



ART

Apollo Power Transmission

Technical Catalogue



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Always the **APT** choice for power transmission.

APT



Technical Catalogue

APOLLO POWER TRANSMISSION PRODUCTS

TAPER BORE & PILOT BORE V-PULLEYS

SYNCHRONOUS PULLEYS

PV PULLEYS

TAPER BUSHES

MULTIPLE GROOVE PULLEYS AND BUSHES

TAPER BORED SPROCKETS

PILOT BORED & PLATEWHEEL SPROCKETS

FINISH BORED SPROCKETS

WELD-ON-HUBS AND BOLT-ON-HUBS

HRC COUPLINGS

FFX TYRE COUPLINGS

JAW COUPLINGS

NPX COUPLINGS

RPX COUPLINGS

CHAIN COUPLINGS

TORQUE LIMITERS

CLAMPING ELEMENTS

MOTOR MOUNTS

ELECTRIC MOTORS



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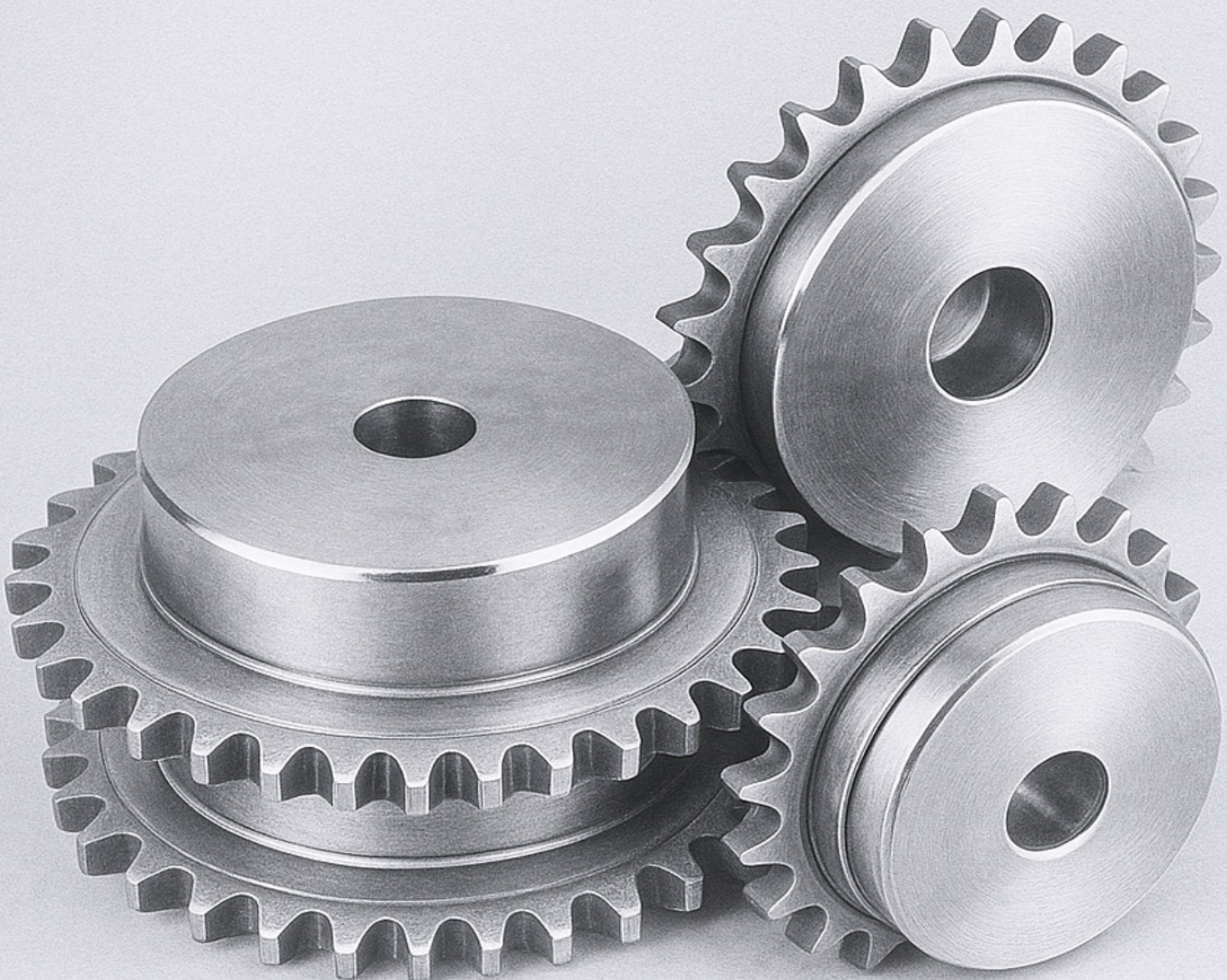






ART

Apollo Power Transmission



Features

General

Hebei Apollo Power Transmission sprockets are manufactured either from high-quality C45 steel, suitable for welding and hardening, or from close-grained GG22 cast iron, depending on the application.

Standard steel sprockets are produced from either sawn bar or forged blanks to ensure strength and reliability.

For small-batch or special designs, sprockets can be profiled from plate and welded to a suitable hub, offering flexible and economical solutions.

BS Taper Bore Sprockets

Available in sizes 06B – 24B in simplex, duplex and triplex.

Manufactured from C45 steel or GG22 close-grain cast iron, selected according to sprocket style and duty.

BS Pilot Bore Sprockets

Available in sizes 03B – 32B in simplex, duplex and triplex, including special sizes 081 / 083 / 084 / 085.

Produced from either C45 steel or GG22 close-grain cast iron, depending on the sprocket design and operating conditions.

Plate Wheel Sprockets

Plate wheels supplied in sizes 03B – 32B, including 081 / 083 / 084 / 085.

ANSI plate wheels can be produced to order.

Manufactured from C45 steel for good weldability and durability.

Double Simplex Sprockets

Available in both Taper Bore and Pilot Bore versions, covering sizes 06B – 16B.

Produced from C45 steel for high strength and long service life.

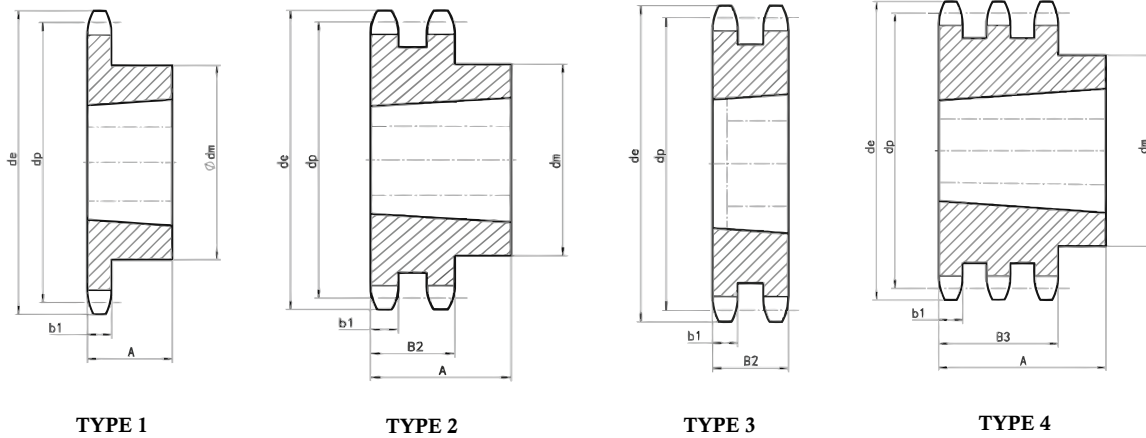
Idler Sprockets

Supplied with ball-bearing inserts in British Standard sizes 05B – 20B.

Matching idler sprockets are also available for ANSI chains in size



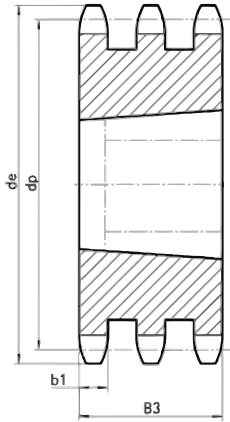
BS Taper Bore Sprockets - 06B 3/8" x 7/32"



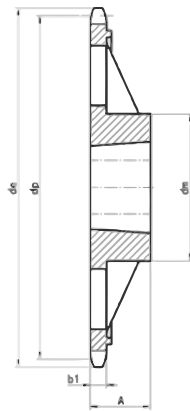
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T1	9.525	6.35	17	56.67	51.84	10	5.3	5.2	45	1008	22
T1	9.525	6.35	18	59.73	54.85	10	5.3	5.2	45	1008	22
T1	9.525	6.35	19	62.80	57.87	10	5.3	5.2	45	1008	22
T1	9.525	6.35	20	65.85	60.89	10	5.3	5.2	46	1008	22
T1	9.525	6.35	21	68.91	63.91	10	5.3	5.2	46	1008	22
T1	9.525	6.35	22	71.96	66.93	10	5.3	5.2	55	1108	22
T1	9.525	6.35	23	75.01	69.95	10	5.3	5.2	63	1210	25
T1	9.525	6.35	24	78.06	72.97	10	5.3	5.2	63	1210	25
T1	9.525	6.35	25	81.11	76.00	10	5.3	5.2	63	1210	25
T1	9.525	6.35	26	84.16	79.02	10	5.3	5.2	63	1210	25
T1	9.525	6.35	27	87.21	82.05	10	5.3	5.2	63	1210	25
T1	9.525	6.35	28	90.25	85.07	10	5.3	5.2	63	1210	25
T1	9.525	6.35	30	96.34	91.12	10	5.3	5.2	63	1210	25
T1	9.525	6.35	38	120.66	115.34	10	5.3	5.2	70	1210	25
T1	9.525	6.35	45	141.93	136.55	10	5.3	5.2	70	1210	25
T6	9.525	6.35	57	178.36	172.91	10	5.3	5.2	83	1210	25
T6	9.525	6.35	76	236.01	230.49	10	5.3	5.2	83	1210	25
T6	9.525	6.35	95	293.64	288.08	10	5.3	5.2	83	1210	25
T6	9.525	6.35	114	351.26	345.68	10	5.3	5.2	83	1210	25

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T2	9.525	6.35	17	56.67	51.84	10	15.4	5.2	43	1008	22
T2	9.525	6.35	18	59.73	54.85	10	15.4	5.2	43	1008	22
T2	9.525	6.35	19	62.80	57.87	10	15.4	5.2	46	1008	22
T2	9.525	6.35	20	65.85	60.89	10	15.4	5.2	48	1008	22
T2	9.525	6.35	21	68.91	63.91	10	15.4	5.2	49	1008	22
T2	9.525	6.35	22	71.96	66.93	10	15.4	5.2	52	1108	22
T2	9.525	6.35	23	75.01	69.95	10	15.4	5.2	59	1210	25
T2	9.525	6.35	24	78.06	72.97	10	15.4	5.2	61	1210	25
T2	9.525	6.35	25	81.11	76.00	10	15.4	5.2	64	1210	25
T2	9.525	6.35	26	84.16	79.02	10	15.4	5.2	65	1210	25
T2	9.525	6.35	27	87.21	82.05	10	15.4	5.2	70	1210	25
T2	9.525	6.35	28	90.25	85.07	10	15.4	5.2	70	1210	25
T2	9.525	6.35	30	96.34	91.12	10	15.4	5.2	75	1210	25
T2	9.525	6.35	38	120.66	115.34	10	15.4	5.2	80	1610	25
T2	9.525	6.35	45	141.93	136.55	10	15.4	5.2	80	1610	25
T7	9.525	6.35	57	178.36	172.91	10	15.4	5.2	92	1610	25
T7	9.525	6.35	76	236.01	230.49	10	15.4	5.2	92	1610	25
T7	9.525	6.35	95	293.64	288.08	10	15.4	5.2	92	1610	25
T7	9.525	6.35	114	351.26	345.68	10	15.4	5.2	95	1615	38
T5	9.525	6.35	17	56.67	51.84	10	25.6	5.2	-	1008	25.6
T5	9.525	6.35	18	59.73	54.85	10	25.6	5.2	-	-	-
T5	9.525	6.35	19	62.80	57.87	10	25.6	5.2	-	1008	25.6
T5	9.525	6.35	20	65.85	60.89	10	25.6	5.2	-	-	-
T5	9.525	6.35	21	68.91	63.91	10	25.6	5.2	-	1008	25.6
T5	9.525	6.35	22	71.96	66.93	10	25.6	5.2	-	-	-
T5	9.525	6.35	23	75.01	69.95	10	25.6	5.2	-	1210	25.6
T5	9.525	6.35	24	78.06	72.97	10	25.6	5.2	-	-	-
T5	9.525	6.35	25	81.11	76.00	10	25.6	5.2	-	1210	25.6
T5	9.525	6.35	26	84.16	79.02	10	25.6	5.2	-	-	-
T5	9.525	6.35	27	87.21	82.05	10	25.6	5.2	-	1210	25.6
T5	9.525	6.35	28	90.25	85.07	10	25.6	5.2	-	-	-
T5	9.525	6.35	30	96.34	91.12	10	25.6	5.2	79	1615	38
T4	9.525	6.35	38	120.66	115.34	10	25.6	5.2	90	1615	38
T4	9.525	6.35	45	141.93	136.55	10	25.6	5.2	-	-	-
T7	9.525	6.35	57	178.36	172.91	10	25.6	5.2	-	-	-
T7	9.525	6.35	76	236.01	230.49	10	25.6	5.2	-	-	-
T7	9.525	6.35	95	293.64	288.08	10	25.6	5.2	-	-	-
T7	9.525	6.35	114	351.26	345.68	10	25.6	5.2	-	-	-

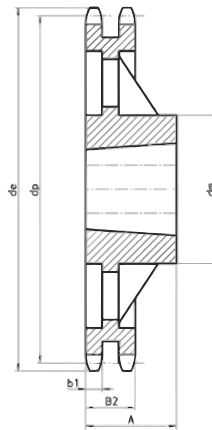
BS Taper Bore Sprockets - 08B 1/2" x 5/16"



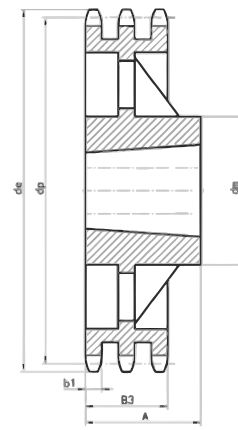
TYPE 5



TYPE 6



TYPE 7

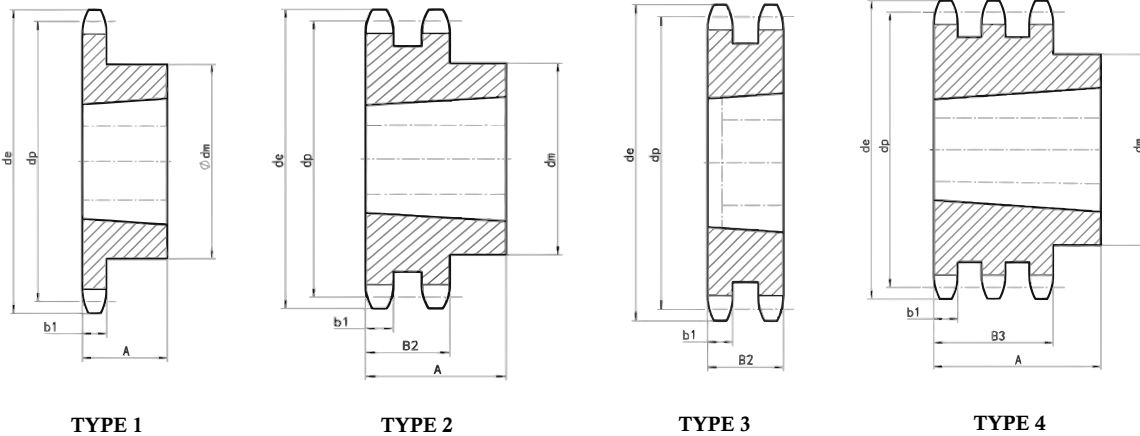


TYPE 8

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T1	12.7	8.51	15	67.37	61.08	13	7.2	7	46	1008	22
T1	12.7	8.51	16	71.47	65.10	13	7.2	7	50	1108	22
T1	12.7	8.51	17	75.56	69.12	13	7.2	7	60	1210	25
T1	12.7	8.51	18	79.65	73.14	13	7.2	7	60	1210	25
T1	12.7	8.51	19	83.73	77.16	13	7.2	7	63	1210	25
T1	12.7	8.51	20	87.80	81.18	13	7.2	7	71	1610	25
T1	12.7	8.51	21	91.88	85.21	13	7.2	7	71	1610	25
T1	12.7	8.51	22	95.95	89.24	13	7.2	7	71	1610	25
T1	12.7	8.51	23	100.02	93.27	13	7.2	7	76	1610	25
T1	12.7	8.51	24	104.09	97.30	13	7.2	7	76	1610	25
T1	12.7	8.51	25	108.15	101.33	13	7.2	7	76	1610	25
T1	12.7	8.51	26	112.21	105.36	13	7.2	7	76	1610	25
T1	12.7	8.51	27	116.28	109.40	13	7.2	7	76	1610	25
T1	12.7	8.51	28	120.34	113.43	13	7.2	7	90	2012	32
T1	12.7	8.51	30	128.45	121.50	13	7.2	7	90	2012	32
T1	12.7	8.51	38	160.89	153.79	13	7.2	7	90	2012	32
T1	12.7	8.51	45	189.24	182.06	13	7.2	7	102	2012	32
T6	12.7	8.51	57	237.81	230.54	13	7.2	7	111	2012	32
T6	12.7	8.51	76	314.68	307.32	13	7.2	7	111	2012	32
T6	12.7	8.51	95	391.52	384.11	13	7.2	7	111	2012	32
T6	12.7	8.51	114	468.35	460.91	13	7.2	7	120	2517	45

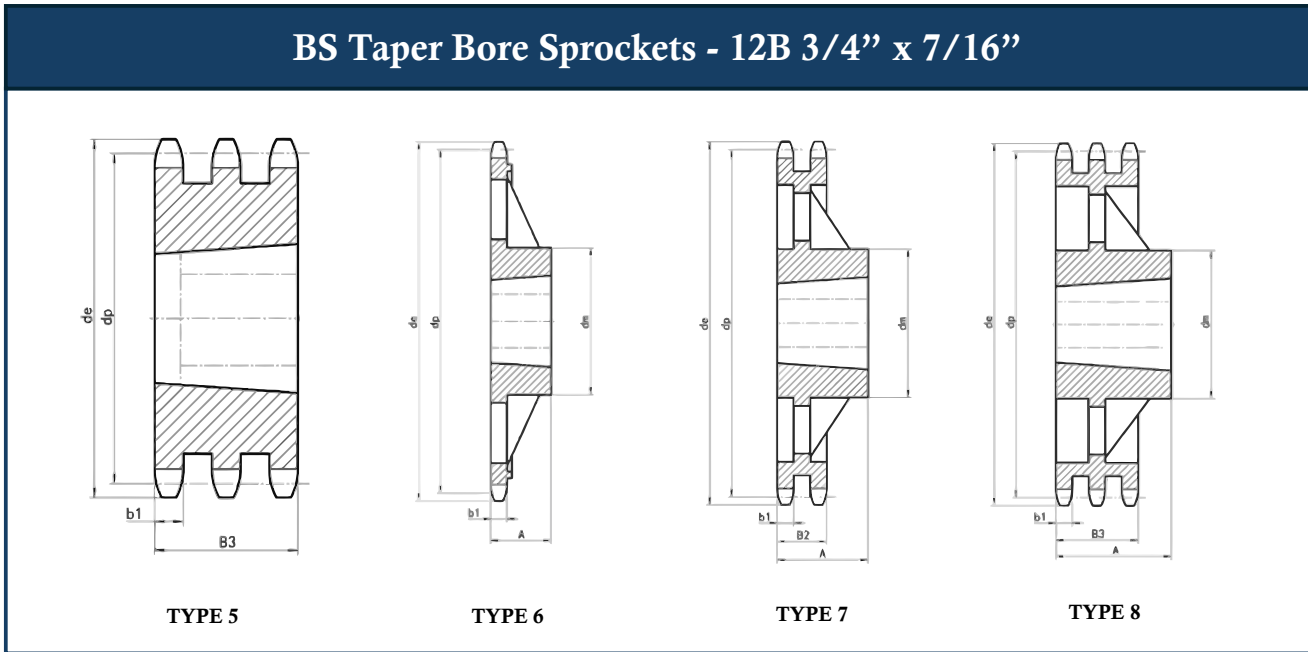
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T2	12.7	8.51	15	67.37	61.08	13	21	7	46	1008	22
T2	12.7	8.51	16	71.47	65.10	13	21	7	50	1108	22
T2	12.7	8.51	17	75.56	69.12	13	21	7	56	1210	25
T2	12.7	8.51	18	79.65	73.14	13	21	7	60	1210	25
T2	12.7	8.51	19	83.73	77.16	13	21	7	62	1210	25
T2	12.7	8.51	20	87.80	81.18	13	21	7	66	1610	25
T2	12.7	8.51	21	91.88	85.21	13	21	7	71	1610	25
T2	12.7	8.51	22	95.95	89.24	13	21	7	76	1610	25
T2	12.7	8.51	23	100.02	93.27	13	21	7	79	1610	25
T2	12.7	8.51	24	104.09	97.30	13	21	7	84	1610	25
T2	12.7	8.51	25	108.15	101.33	13	21	7	87	2012	32
T2	12.7	8.51	26	112.21	105.36	13	21	7	87	2012	32
T2	12.7	8.51	27	116.28	109.40	13	21	7	87	2012	32
T2	12.7	8.51	28	120.34	113.43	13	21	7	87	2012	32
T2	12.7	8.51	30	128.45	121.50	13	21	7	87	2012	32
T2	12.7	8.51	38	160.89	153.79	13	21	7	102	2012	32
T7	12.7	8.51	45	189.24	182.06	13	21	7	100	2012	32
T7	12.7	8.51	57	237.81	230.54	13	21	7	111	2012	32
T7	12.7	8.51	76	314.68	307.32	13	21	7	111	2012	32
T7	12.7	8.51	95	391.52	384.11	13	21	7	111	2012	32
T7	12.7	8.51	114	468.35	460.91	13	21	7	120	2517	45
T5	12.7	8.51	15	67.37	61.08	13	34.9	7	-	1008	34.9
	12.7	8.51	16	71.47	65.10	13	34.9	7	-	-	-
T5	12.7	8.51	17	75.56	69.12	13	34.9	7	-	1210	34.9
	12.7	8.51	18	79.65	73.14	13	34.9	7	-	-	-
T4	12.7	8.51	19	83.73	77.16	13	34.9	7	62	1215	38
	12.7	8.51	20	87.80	81.18	13	34.9	7	-	-	-
T4	12.7	8.51	21	91.88	85.21	13	34.9	7	70	1615	38
	12.7	8.51	22	95.95	89.24	13	34.9	7	-	-	-
T4	12.7	8.51	23	100.02	93.27	13	34.9	7	70	1615	38
	12.7	8.51	24	104.09	97.30	13	34.9	7	-	-	-
T5	12.7	8.51	25	108.15	101.33	13	34.9	7	-	2012	34.9
	12.7	8.51	26	112.21	105.36	13	34.9	7	-	-	-
T5	12.7	8.51	27	116.28	109.40	13	34.9	7	-	2012	34.9
	12.7	8.51	28	120.34	113.43	13	34.9	7	-	-	-
T2	12.7	8.51	30	128.45	121.50	13	34.9	7	-	2012	34.9
T2	12.7	8.51	38	160.89	153.79	13	34.9	7	-	2012	34.9
	12.7	8.51	45	189.24	182.06	13	34.9	7	-	-	-
	12.7	8.51	57	237.81	230.54	13	34.9	7	-	-	-
	12.7	8.51	76	314.68	307.32	13	34.9	7	-	-	-
	12.7	8.51	95	391.52	384.11	13	34.9	7	-	-	-
	12.7	8.51	114	468.35	460.91	13	34.9	7	-	-	-

BS Taper Bore Sprockets - 10B 5/8" x 3/8"



Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T1	15.875	10.16	13	73.93	66.33	16	9.1	9	47	1008	22
T1	15.875	10.16	14	79.08	71.34	16	9.1	9	52	1108	22
T1	15.875	10.16	15	84.21	76.35	16	9.1	9	60	1210	25
T1	15.875	10.16	16	89.33	81.37	16	9.1	9	63	1210	25
T1	15.875	10.16	17	94.45	86.39	16	9.1	9	71	1610	25
T1	15.875	10.16	18	99.56	91.42	16	9.1	9	75	1610	25
T1	15.875	10.16	19	104.66	96.45	16	9.1	9	75	1610	25
T1	15.875	10.16	20	109.76	101.48	16	9.1	9	75	1610	25
T1	15.875	10.16	21	114.85	106.51	16	9.1	9	76	1610	25
T1	15.875	10.16	22	119.94	111.55	16	9.1	9	76	1610	25
T1	15.875	10.16	23	125.02	116.59	16	9.1	9	76	1610	25
T1	15.875	10.16	24	130.11	121.62	16	9.1	9	90	2012	32
T1	15.875	10.16	25	135.19	126.66	16	9.1	9	90	2012	32
T1	15.875	10.16	26	140.27	131.70	16	9.1	9	90	2012	32
T1	15.875	10.16	27	145.34	136.74	16	9.1	9	90	2012	32
T1	15.875	10.16	28	150.42	141.79	16	9.1	9	90	2012	32
T1	15.875	10.16	30	160.57	151.87	16	9.1	9	90	2012	32
T1	15.875	10.16	38	201.11	192.24	16	9.1	9	102	2012	32
T6	15.875	10.16	45	236.55	227.58	16	9.1	9	100	2012	32
T6	15.875	10.16	57	297.26	288.18	16	9.1	9	111	2012	32
T6	15.875	10.16	76	393.35	384.15	16	9.1	9	111	2012	32
T6	15.875	10.16	95	489.40	480.14	16	9.1	9	120	2517	45
T6	15.875	10.16	114	585.44	576.13	16	9.1	9	120	2517	45

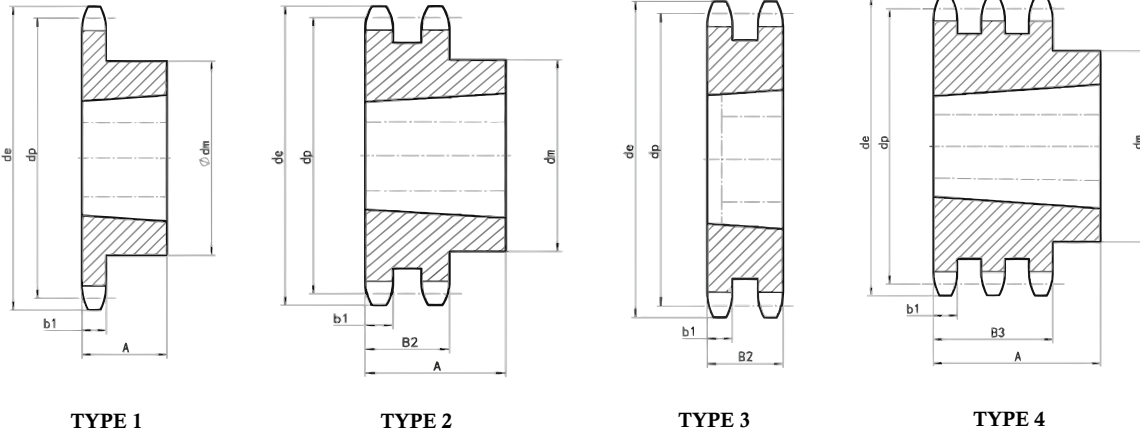
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
	15.875	10.16	13	73.93	66.33	16	9.1	9	-	-	-
	15.875	10.16	14	79.08	71.34	16	9.1	9	-	-	-
T3	15.875	10.16	15	84.21	76.35	16	9.1	9	-	1210	25.5
T3	15.875	10.16	16	89.33	81.37	16	9.1	9	-	1610	25.5
T3	15.875	10.16	17	94.45	86.39	16	9.1	9	-	1610	25.5
T3	15.875	10.16	18	99.56	91.42	16	9.1	9	-	1610	25.5
T3	15.875	10.16	19	104.66	96.45	16	9.1	9	-	1610	25.5
T3	15.875	10.16	20	109.76	101.48	16	9.1	9	-	1610	25.5
T3	15.875	10.16	21	114.85	106.51	16	9.1	9	-	1610	25.5
T3	15.875	10.16	22	119.94	111.55	16	9.1	9	-	1610	25.5
T3	15.875	10.16	23	125.02	116.59	16	9.1	9	-	1610	25.5
T2	15.875	10.16	24	130.11	121.62	16	9.1	9	90	2012	32
T2	15.875	10.16	25	135.19	126.66	16	9.1	9	90	2012	32
T2	15.875	10.16	26	140.27	131.70	16	9.1	9	90	2012	32
T2	15.875	10.16	27	145.34	136.74	16	9.1	9	90	2012	32
T2	15.875	10.16	28	150.42	141.79	16	9.1	9	90	2012	32
T2	15.875	10.16	30	160.57	151.87	16	9.1	9	90	2012	32
T2	15.875	10.16	38	201.11	192.24	16	9.1	9	108	2517	45
T7	15.875	10.16	45	236.55	227.58	16	9.1	9	120	2517	45
	15.875	10.16	57	297.26	288.18	16	9.1	9	-	-	-
	15.875	10.16	76	393.35	384.15	16	9.1	9	-	-	-
	15.875	10.16	95	489.40	480.14	16	9.1	9	-	-	-
	15.875	10.16	114	585.44	576.13	16	9.1	9	-	-	-
	15.875	10.16	13	73.93	66.33	16	9.1	9	-	-	-
	15.875	10.16	14	79.08	71.34	16	9.1	9	-	-	-
T5	15.875	10.16	15	84.21	76.35	16	9.1	9	-	1215	42.1
	15.875	10.16	16	89.33	81.37	16	9.1	9	-	-	-
T5	15.875	10.16	17	94.45	86.39	16	9.1	9	-	1215	42.1
	15.875	10.16	18	99.56	91.42	16	9.1	9	-	-	-
T5	15.875	10.16	19	104.66	96.45	16	9.1	9	-	1615	42.1
	15.875	10.16	20	109.76	101.48	16	9.1	9	-	-	-
T5	15.875	10.16	21	114.85	106.51	16	9.1	9	-	1615	42.1
	15.875	10.16	22	119.94	111.55	16	9.1	9	-	-	-
T5	15.875	10.16	23	125.02	116.59	16	9.1	9	-	2012	42.1
	15.875	10.16	24	130.11	121.62	16	9.1	9	-	-	-
T4	15.875	10.16	25	135.19	126.66	16	9.1	9	105	2517	45
	15.875	10.16	26	140.27	131.70	16	9.1	9	-	-	-
T4	15.875	10.16	27	145.34	136.74	16	9.1	9	110	2517	45
	15.875	10.16	28	150.42	141.79	16	9.1	9	-	-	-
T4	15.875	10.16	30	160.57	151.87	16	9.1	9	120	2517	45
	15.875	10.16	38	201.11	192.24	16	9.1	9	-	-	-
	15.875	10.16	45	236.55	227.58	16	9.1	9	-	-	-
	15.875	10.16	57	297.26	288.18	16	9.1	9	-	-	-
	15.875	10.16	76	393.35	384.15	16	9.1	9	-	-	-
	15.875	10.16	95	489.40	480.14	16	9.1	9	-	-	-
	15.875	10.16	114	585.44	576.13	16	9.1	9	-	-	-



Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T1	19.05	12.07	13	88.72	79.60	19	11.1	10.8	63	1210	25
T1	19.05	12.07	14	94.89	85.61	19	11.1	10.8	71	1610	25
T1	19.05	12.07	15	101.05	91.63	19	11.1	10.8	71	1610	25
T1	19.05	12.07	16	107.20	97.65	19	11.1	10.8	75	1610	25
T1	19.05	12.07	17	113.34	103.67	19	11.1	10.8	76	1610	25
T1	19.05	12.07	18	119.47	109.70	19	11.1	10.8	90	2012	32
T1	19.05	12.07	19	125.59	115.74	19	11.1	10.8	90	2012	32
T1	19.05	12.07	20	131.71	121.78	19	11.1	10.8	90	2012	32
T1	19.05	12.07	21	137.82	127.82	19	11.1	10.8	102	2517	45
T1	19.05	12.07	22	143.93	133.86	19	11.1	10.8	108	2517	45
T1	19.05	12.07	23	150.03	139.90	19	11.1	10.8	108	2517	45
T1	19.05	12.07	24	156.13	145.95	19	11.1	10.8	108	2517	45
T1	19.05	12.07	25	162.23	151.99	19	11.1	10.8	108	2517	45
T1	19.05	12.07	26	168.32	158.04	19	11.1	10.8	108	2517	45
T1	19.05	12.07	27	174.41	164.09	19	11.1	10.8	108	2517	45
T1	19.05	12.07	28	180.50	170.14	19	11.1	10.8	108	2517	45
T1	19.05	12.07	30	192.68	182.25	19	11.1	10.8	108	2517	45
T1	19.05	12.07	38	241.33	230.69	19	11.1	10.8	108	2517	45
T6	19.05	12.07	45	283.86	273.09	19	11.1	10.8	120	2517	45
T6	19.05	12.07	57	356.72	345.81	19	11.1	10.8	124	2517	45
T6	19.05	12.07	76	472.02	460.98	19	11.1	10.8	124	2517	45
T6	19.05	12.07	95	587.28	576.17	19	11.1	10.8	124	2517	45
T6	19.05	12.07	114	702.53	691.36	19	11.1	10.8	124	2525	64

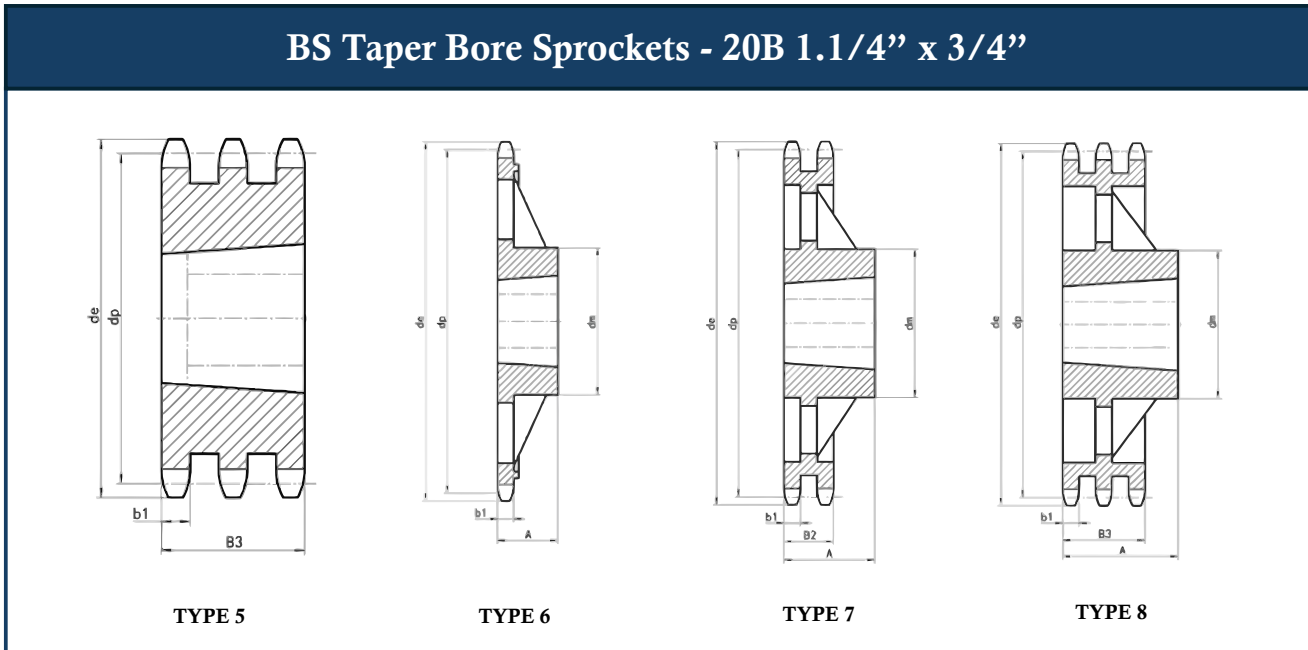
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
	19.05	12.07	13	88.72	79.60	19	30.3	10.8	-	-	-
	19.05	12.07	14	94.89	85.61	19	30.3	10.8	-	-	-
T2	19.05	12.07	15	101.05	91.63	19	30.3	10.8	71	1615	38
T2	19.05	12.07	16	107.20	97.65	19	30.3	10.8	71	1615	38
T2	19.05	12.07	17	113.34	103.67	19	30.3	10.8	80	1615	38
T2	19.05	12.07	18	119.47	109.70	19	30.3	10.8	90	2012	32
T2	19.05	12.07	19	125.59	115.74	19	30.3	10.8	95	2012	32
T2	19.05	12.07	20	131.71	121.78	19	30.3	10.8	108	2517	45
T2	19.05	12.07	21	137.82	127.82	19	30.3	10.8	108	2517	45
T2	19.05	12.07	22	143.93	133.86	19	30.3	10.8	108	2517	45
T2	19.05	12.07	23	150.03	139.90	19	30.3	10.8	108	2517	45
T2	19.05	12.07	24	156.13	145.95	19	30.3	10.8	108	2517	45
T2	19.05	12.07	25	162.23	151.99	19	30.3	10.8	108	2517	45
T2	19.05	12.07	26	168.32	158.04	19	30.3	10.8	108	2517	45
T2	19.05	12.07	27	174.41	164.09	19	30.3	10.8	108	2517	45
T2	19.05	12.07	28	180.50	170.14	19	30.3	10.8	108	2517	45
T2	19.05	12.07	30	192.68	182.25	19	30.3	10.8	108	2517	45
T2	19.05	12.07	38	241.33	230.69	19	30.3	10.8	140	3020	51
T7	19.05	12.07	45	283.86	273.09	19	30.3	10.8	150	3020	51
T7	19.05	12.07	57	356.72	345.81	19	30.3	10.8	160	3020	51
T7	19.05	12.07	76	472.02	460.98	19	30.3	10.8	160	3020	51
T7	19.05	12.07	95	587.28	576.17	19	30.3	10.8	160	3020	51
T7	19.05	12.07	114	702.53	691.36	19	30.3	10.8	160	3030	76
	19.05	12.07	13	88.72	79.60	19	49.8	10.8	-	-	-
	19.05	12.07	14	94.89	85.61	19	49.8	10.8	-	-	-
T5	19.05	12.07	15	101.05	91.63	19	49.8	10.8	-	1615	49.8
	19.05	12.07	16	107.20	97.65	19	49.8	10.8	-	-	-
T5	19.05	12.07	17	113.34	103.67	19	49.8	10.8	-	1615	49.8
	19.05	12.07	18	119.47	109.70	19	49.8	10.8	-	-	-
T5	19.05	12.07	19	125.59	115.74	19	49.8	10.8	-	2012	49.8
	19.05	12.07	20	131.71	121.78	19	49.8	10.8	-	-	-
T5	19.05	12.07	21	137.82	127.82	19	49.8	10.8	-	2517	49.8
	19.05	12.07	22	143.93	133.86	19	49.8	10.8	-	-	-
T5	19.05	12.07	23	150.03	139.90	19	49.8	10.8	-	2517	49.8
	19.05	12.07	24	156.13	145.95	19	49.8	10.8	-	-	-
T5	19.05	12.07	25	162.23	151.99	19	49.8	10.8	-	2517	49.8
	19.05	12.07	26	168.32	158.04	19	49.8	10.8	-	-	-
T4	19.05	12.07	27	174.41	164.09	19	49.8	10.8	140	3020	51
	19.05	12.07	28	180.50	170.14	19	49.8	10.8	-	-	-
T4	19.05	12.07	30	192.68	182.25	19	49.8	10.8	140	3020	51
T4	19.05	12.07	38	241.33	230.69	19	49.8	10.8	140	3020	51
	19.05	12.07	45	283.86	273.09	19	49.8	10.8	-	-	-
T8	19.05	12.07	57	356.72	345.81	19	49.8	10.8	160	3020	51
T8	19.05	12.07	76	472.02	460.98	19	49.8	10.8	160	3020	51
T8	19.05	12.07	95	587.28	576.17	19	49.8	10.8	160	3030	76
T8	19.05	12.07	114	702.53	691.36	19	49.8	10.8	160	3030	76

BS Taper Bore Sprockets - 16B 1" x 17.02mm



Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T1	25.4	15.875	13	118.29	106.14	26	16.2	15.8	73	1615	28
T1	25.4	15.875	14	126.52	114.15	26	16.2	15.8	75	1615	38
T1	25.4	15.875	15	134.74	122.17	26	16.2	15.8	76	1615	38
T1	25.4	15.875	16	142.93	130.20	26	16.2	15.8	90	2012	32
T1	25.4	15.875	17	151.12	138.23	26	16.2	15.8	90	2012	32
T1	25.4	15.875	18	159.29	146.27	26	16.2	15.8	108	2517	45
T1	25.4	15.875	19	167.45	154.32	26	16.2	15.8	108	2517	45
T1	25.4	15.875	20	175.61	162.37	26	16.2	15.8	110	2517	45
T1	25.4	15.875	21	183.76	170.42	26	16.2	15.8	110	2517	45
T1	25.4	15.875	22	191.90	178.48	26	16.2	15.8	110	2517	45
T1	25.4	15.875	23	200.04	186.54	26	16.2	15.8	110	2517	45
T1	25.4	15.875	24	208.17	194.60	26	16.2	15.8	110	2517	45
T1	25.4	15.875	25	216.30	202.66	26	16.2	15.8	110	2517	45
T1	25.4	15.875	26	224.43	210.72	26	16.2	15.8	110	2517	45
T1	25.4	15.875	27	232.55	218.79	26	16.2	15.8	110	2517	45
T1	25.4	15.875	28	240.67	226.86	26	16.2	15.8	110	2517	45
T1	25.4	15.875	30	256.90	243.00	26	16.2	15.8	120	2517	45
T6	25.4	15.875	38	321.77	307.58	26	16.2	15.8	160	3020	51
T6	25.4	15.875	45	378.48	364.12	26	16.2	15.8	160	3020	51
T6	25.4	15.875	57	475.62	461.08	26	16.2	15.8	160	3020	51
T6	25.4	15.875	76	629.36	614.64	26	16.2	15.8	160	3020	51
T6	25.4	15.875	95	783.04	768.22	26	16.2	15.8	160	3020	51
T6	25.4	15.875	114	936.70	921.81	26	16.2	15.8	160	3030	76

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
	25.4	15.875	13	118.29	106.14	26	47.7	15.8	-	-	-
	25.4	15.875	14	126.52	114.15	26	47.7	15.8	-	-	-
T3	25.4	15.875	15	134.74	122.17	26	47.7	15.8	-	2012	47.7
T3	25.4	15.875	16	142.93	130.20	26	47.7	15.8	-	2517	47.7
T3	25.4	15.875	17	151.12	138.23	26	47.7	15.8	-	2517	47.7
T3	25.4	15.875	18	159.29	146.27	26	47.7	15.8	-	2517	47.7
T3	25.4	15.875	19	167.45	154.32	26	47.7	15.8	-	2517	47.7
T3	25.4	15.875	20	175.61	162.37	26	47.7	15.8	-	2517	47.7
T3	25.4	15.875	21	183.76	170.42	26	47.7	15.8	140	3020	51
T2	25.4	15.875	22	191.90	178.48	26	47.7	15.8	140	3020	51
T2	25.4	15.875	23	200.04	186.54	26	47.7	15.8	140	3020	51
T2	25.4	15.875	24	208.17	194.60	26	47.7	15.8	140	3020	51
T2	25.4	15.875	25	216.30	202.66	26	47.7	15.8	140	3020	51
T2	25.4	15.875	26	224.43	210.72	26	47.7	15.8	140	3020	51
T2	25.4	15.875	27	232.55	218.79	26	47.7	15.8	140	3020	51
T2	25.4	15.875	28	240.67	226.86	26	47.7	15.8	140	3020	51
T2	25.4	15.875	30	256.90	243.00	26	47.7	15.8	140	3030	76
T7	25.4	15.875	38	321.77	307.58	26	47.7	15.8	160	3030	76
T7	25.4	15.875	45	378.48	364.12	26	47.7	15.8	160	3030	76
T7	25.4	15.875	57	475.62	461.08	26	47.7	15.8	175	3535	89
T7	25.4	15.875	76	629.36	614.64	26	47.7	15.8	178	3535	89
T7	25.4	15.875	95	783.04	768.22	26	47.7	15.8	215	4040	102
T7	25.4	15.875	114	936.70	921.81	26	47.7	15.8	220	4040	102
	25.4	15.875	13	118.29	106.14	26	79.6	15.8	-	-	-
	25.4	15.875	14	126.52	114.15	26	79.6	15.8	-	-	-
	25.4	15.875	15	134.74	122.17	26	79.6	15.8	-	-	-
	25.4	15.875	16	142.93	130.20	26	79.6	15.8	-	-	-
T5	25.4	15.875	17	151.12	138.23	26	79.6	15.8	-	2517	79.6
	25.4	15.875	18	159.29	146.27	26	79.6	15.8	-	-	-
T5	25.4	15.875	19	167.45	154.32	26	79.6	15.8	-	3030	79.6
	25.4	15.875	20	175.61	162.37	26	79.6	15.8	-	-	-
T5	25.4	15.875	21	183.76	170.42	26	79.6	15.8	-	3030	79.6
	25.4	15.875	22	191.90	178.48	26	79.6	15.8	-	-	-
T4	25.4	15.875	23	200.04	186.54	26	79.6	15.8	159	3535	89
	25.4	15.875	24	208.17	194.60	26	79.6	15.8	-	-	-
T4	25.4	15.875	25	216.30	202.66	26	79.6	15.8	175	3535	89
	25.4	15.875	26	224.43	210.72	26	79.6	15.8	-	-	-
T4	25.4	15.875	27	232.55	218.79	26	79.6	15.8	175	3535	89
	25.4	15.875	28	240.67	226.86	26	79.6	15.8	-	-	-
T4	25.4	15.875	30	256.90	243.00	26	79.6	15.8	175	3535	89
T8	25.4	15.875	38	321.77	307.58	26	79.6	15.8	178	3535	88
T8	25.4	15.875	45	378.48	364.12	26	79.6	15.8	215	4040	102
T8	25.4	15.875	57	475.62	461.08	26	79.6	15.8	215	4040	102
T8	25.4	15.875	76	629.36	614.64	26	79.6	15.8	215	4040	102
T8	25.4	15.875	95	783.04	768.22	26	79.6	15.8	220	4040	102
T8	25.4	15.875	114	936.70	921.81	26	79.6	15.8	260	4545	114



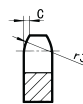
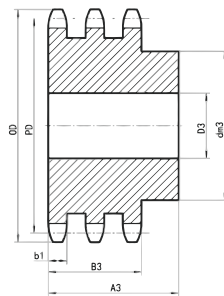
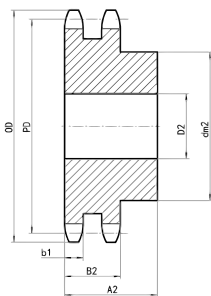
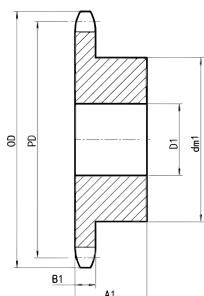
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	Taper Bush	A
T1	31.75	19.05	13	147.86	132.67	32	18.5	18.2	90	2012	32
T1	31.75	19.05	15	168.42	152.71	32	18.5	18.2	110	2517	45
T1	31.75	19.05	17	188.90	172.79	32	18.5	18.2	110	2517	45
T1	31.75	19.05	19	209.32	192.90	32	18.5	18.2	110	2517	45
T1	31.75	19.05	21	229.70	213.03	32	18.5	18.2	120	2517	45
T1	31.75	19.05	23	250.05	233.17	32	18.5	18.2	120	2517	45
T1	31.75	19.05	25	270.38	253.32	32	18.5	18.2	120	2517	45
T1	31.75	19.05	27	290.69	273.49	32	18.5	18.2	150	3020	51
T1	31.75	19.05	30	321.13	303.75	32	18.5	18.2	160	3020	51
T6	31.75	19.05	38	402.22	384.48	32	18.5	18.2	160	3020	51
T6	31.75	19.05	45	473.10	455.15	32	18.5	18.2	160	3020	51
T6	31.75	19.05	57	594.53	576.35	32	18.5	18.2	160	3020	51
T6	31.75	19.05	76	786.69	768.30	32	18.5	18.2	160	3020	51
	38.1	25.4	114	1405.06	1382.72	38	120.3	23.6	-	-	-
	38.1	25.4	114	1405.06	1382.72	38	120.3	23.6	-	-	-

Sprockets

Note



BS Pilot Bore Sprockets - 03B 5 x 2.5 mm



SPROCKET	mm
Tooth Radius r3	5.0
Chamfer c	0.6
Tooth Width B1	2.3
CHAIN	mm
Pitch	5.000
Width Between Inner Plates	2.500
Roller Diameter	3.200

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
S1	6	4	8	18.09	15.68	6	2.6	2.6	9.8	5	10
S1	6	4	9	20.08	17.54	6	2.6	2.6	11.5	5	10
S1	6	4	10	22.07	19.42	6	2.6	2.6	13	6	10
S1	6	4	11	24.03	21.30	6	2.6	2.6	14	6	10
S1	6	4	12	25.99	23.18	6	2.6	2.6	16	6	10
S1	6	4	13	27.94	25.07	6	2.6	2.6	18	6	10
S1	6	4	14	29.89	26.96	6	2.6	2.6	20	6	10
S1	6	4	15	31.83	28.86	6	2.6	2.6	20	6	10
S1	6	4	16	33.76	30.75	6	2.6	2.6	20	8	13
S1	6	4	17	35.70	32.65	6	2.6	2.6	20	8	13
S1	6	4	18	37.63	34.55	6	2.6	2.6	20	8	13
S1	6	4	19	39.56	36.45	6	2.6	2.6	20	8	13
S1	6	4	20	41.48	38.35	6	2.6	2.6	20	8	13
S1	6	4	21	43.41	40.26	6	2.6	2.6	25	8	13
S1	6	4	22	45.33	42.16	6	2.6	2.6	25	8	13
S1	6	4	23	47.25	44.06	6	2.6	2.6	25	8	13
S1	6	4	24	49.17	45.97	6	2.6	2.6	25	8	13
S1	6	4	25	51.09	47.87	6	2.6	2.6	25	8	13
S1	6	4	26	53.01	49.78	6	2.6	2.6	30	8	15
S1	6	4	27	54.93	51.68	6	2.6	2.6	30	8	15
S1	6	4	28	56.85	53.59	6	2.6	2.6	30	8	15
S1	6	4	29	58.77	55.49	6	2.6	2.6	30	8	15
S1	6	4	30	60.69	57.40	6	2.6	2.6	30	8	15
S1	6	4	31	62.60	59.31	6	2.6	2.6	30	10	15
S1	6	4	32	64.52	61.21	6	2.6	2.6	30	10	15
S1	6	4	33	66.43	63.12	6	2.6	2.6	30	10	15
S1	6	4	34	68.35	65.03	6	2.6	2.6	30	10	15
S1	6	4	35	70.27	66.93	6	2.6	2.6	30	10	15
S1	6	4	36	72.18	68.84	6	2.6	2.6	30	10	15
S1	6	4	37	74.09	70.75	6	2.6	2.6	30	10	15
S1	6	4	38	76.01	72.66	6	2.6	2.6	30	10	15
S1	6	4	39	77.92	74.57	6	2.6	2.6	30	10	15
S1	6	4	40	79.84	76.47	6	2.6	2.6	30	10	15
S1	6	4	45	89.40	86.01	6	2.6	2.6	62	12	18
S1	6	4	50	98.97	95.56	6	2.6	2.6	62	12	18
S1	6	4	57	112.35	108.92	6	2.6	2.6	62	12	18

BS Pilot Bore Sprockets - 04B 6 x 2.8 mm

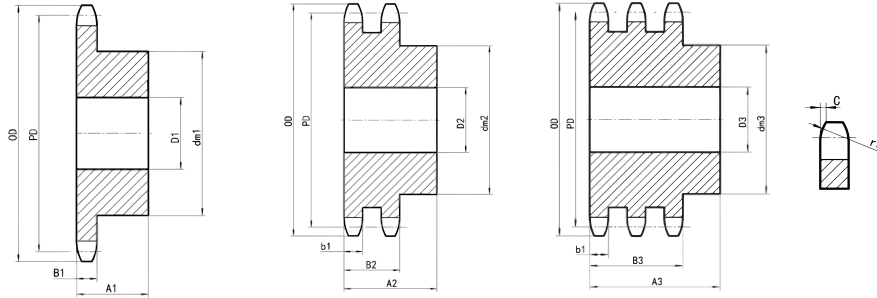
SPROCKET		mm
Tooth Radius r3		6.0
Chamfer c		0.7
Tooth Width B1		2.6
CHAIN		mm
Pitch		6.000
Width Between Inner Plates		2.800
Roller Diameter		4.000

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
S1	5	3.2	8	15.07	13.07	5	2.3	2.3	7	4	10
S1	5	3.2	9	16.74	14.62	5	2.3	2.3	8	5	10
S1	5	3.2	10	18.39	16.18	5	2.3	2.3	9	5	10
S1	5	3.2	11	20.03	17.75	5	2.3	2.3	11	6	10
S1	5	3.2	12	21.66	19.32	5	2.3	2.3	12	6	10
S1	5	3.2	13	23.29	20.89	5	2.3	2.3	14	6	10
S1	5	3.2	14	24.91	22.47	5	2.3	2.3	15	6	10
S1	5	3.2	15	26.52	24.05	5	2.3	2.3	16	6	10
S1	5	3.2	16	28.14	25.63	5	2.3	2.3	18	8	13
S1	5	3.2	17	29.75	27.21	5	2.3	2.3	18	8	13
S1	5	3.2	18	31.36	28.79	5	2.3	2.3	18	8	13
S1	5	3.2	19	32.96	30.38	5	2.3	2.3	18	8	13
S1	5	3.2	20	34.57	31.96	5	2.3	2.3	18	8	13
S1	5	3.2	21	36.17	33.55	5	2.3	2.3	20	8	13
S1	5	3.2	22	37.78	35.13	5	2.3	2.3	20	8	13
S1	5	3.2	23	39.38	36.72	5	2.3	2.3	20	8	13
S1	5	3.2	24	40.98	38.31	5	2.3	2.3	20	8	13
S1	5	3.2	25	42.58	39.89	5	2.3	2.3	20	8	13
S1	5	3.2	26	44.18	41.48	5	2.3	2.3	25	8	15
S1	5	3.2	27	45.78	43.07	5	2.3	2.3	25	8	15
S1	5	3.2	28	47.38	44.66	5	2.3	2.3	25	8	15
S1	5	3.2	29	48.97	46.25	5	2.3	2.3	25	8	15
S1	5	3.2	30	50.57	47.83	5	2.3	2.3	25	8	15
S1	5	3.2	31	52.17	49.42	5	2.3	2.3	30	8	15
S1	5	3.2	32	53.77	51.01	5	2.3	2.3	30	8	15
S1	5	3.2	33	55.36	52.60	5	2.3	2.3	30	8	15
S1	5	3.2	34	56.96	54.19	5	2.3	2.3	30	8	15
S1	5	3.2	35	58.55	55.78	5	2.3	2.3	30	8	15
S1	5	3.2	36	60.15	57.37	5	2.3	2.3	30	8	15
S1	5	3.2	37	61.75	58.96	5	2.3	2.3	30	8	15
S1	5	3.2	38	63.34	60.55	5	2.3	2.3	30	8	15
S1	5	3.2	39	64.94	62.14	5	2.3	2.3	30	8	15
S1	5	3.2	40	66.53	63.73	5	2.3	2.3	30	8	15

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 05B 8 x 3 mm



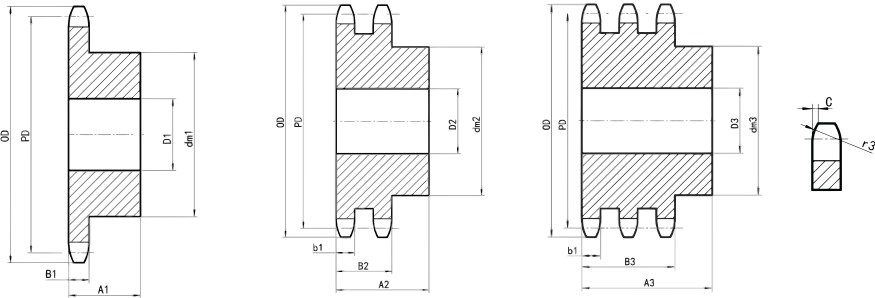
SPROCKET		mm
Tooth Radius r3		5.0
Chamfer c		0.6
Tooth Width b1		2.3
Tooth Width B1		2.8
Tooth Width B2		8.3
CHAIN		mm
Pitch		8.000
Width Between Inner Plates		3.000
Roller Diameter		5.000

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A
S1/D2	8	5	8	24.11	20.91	8	2.8	2.7	13	6	12	12	6	18
S1/D2	8	5	9	26.78	23.39	8	2.8	2.7	15	6	12	15	6	18
S1/D2	8	5	10	29.42	25.89	8	2.8	2.7	17	6	12	17	8	18
S1/D2	8	5	11	32.05	28.40	8	2.8	2.7	18	7	13	19	8	18
S1/D2	8	5	12	34.66	30.91	8	2.8	2.7	20	7	13	21	8	18
S1/D2	8	5	13	37.26	33.43	8	2.8	2.7	23	7	13	24	8	18
S1/D2	8	5	14	39.85	35.95	8	2.8	2.7	25	7	13	26	8	18
S1/D2	8	5	15	42.44	38.48	8	2.8	2.7	28	7	13	29	8	18
S1/D2	8	5	16	45.02	41.01	8	2.8	2.7	30	8	14	32	10	20
S1/D2	8	5	17	47.60	43.54	8	2.8	2.7	30	8	14	34	10	20
S1/D2	8	5	18	50.17	46.07	8	2.8	2.7	30	8	14	37	10	20
S1/D2	8	5	19	52.74	48.60	8	2.8	2.7	30	8	14	39	10	20
S1/D2	8	5	20	55.31	51.14	8	2.8	2.7	30	8	14	40	10	20
S1/D2	8	5	21	57.88	53.68	8	2.8	2.7	35	8	14	45	12	20
S1/D2	8	5	22	60.44	56.21	8	2.8	2.7	35	8	14	45	12	20
S1/D2	8	5	23	63.00	58.75	8	2.8	2.7	35	8	14	45	12	20
S1/D2	8	5	24	65.57	61.29	8	2.8	2.7	35	8	14	45	12	20
S1/D2	8	5	25	68.13	63.83	8	2.8	2.7	35	8	14	45	12	20
S1/D2	8	5	26	70.69	66.37	8	2.8	2.7	40	10	16	50	12	22
S1/D2	8	5	27	73.24	68.91	8	2.8	2.7	40	10	16	50	12	22
S1/D2	8	5	28	75.80	71.45	8	2.8	2.7	40	10	16	-	-	-
S1/D2	8	5	29	78.36	73.99	8	2.8	2.7	40	10	16	-	-	-
S1/D2	8	5	30	80.91	76.53	8	2.8	2.7	40	10	16	50	12	22
S1/D2	8	5	31	83.47	79.08	8	2.8	2.7	40	12	16	-	-	-
S1/D2	8	5	32	86.03	81.62	8	2.8	2.7	40	12	16	60	12	22
S1/D2	8	5	33	88.58	84.16	8	2.8	2.7	40	12	16	-	-	-
S1/D2	8	5	34	91.13	86.70	8	2.8	2.7	40	12	16	-	-	-
S1/D2	8	5	35	93.69	89.25	8	2.8	2.7	40	12	16	60	12	22
S1/D2	8	5	36	96.24	91.79	8	2.8	2.7	40	12	16	60	12	22
S1/D2	8	5	37	98.79	94.33	8	2.8	2.7	40	12	16	-	-	-
S1/D2	8	5	38	101.35	96.88	8	2.8	2.7	40	12	16	60	12	22
S1/D2	8	5	39	103.90	99.42	8	2.8	2.7	40	12	16	-	-	-
S1/D2	8	5	40	106.45	101.96	8	2.8	2.7	40	12	16	60	12	22
S1/D2	8	5	45	119.21	114.68	8	2.8	2.7	60	12	20	-	-	-
S1/D2	8	5	50	131.96	127.41	8	2.8	2.7	60	12	20	-	-	-
S1/D2	8	5	57	149.80	145.22	8	2.8	2.7	80	14	20	-	-	-

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 06B 3/8" x 7/32"



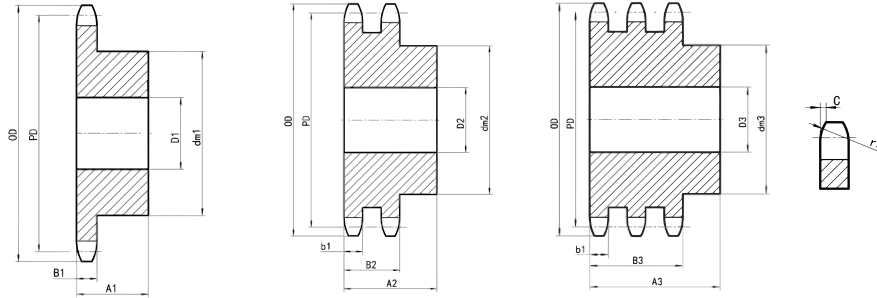
SPROCKET		mm
Tooth Radius r3		10.0
Chamfer c		1.0
Tooth Width b1		5.2
Tooth Width B1		5.3
Tooth Width B2		15.4
Tooth Width B3		25.6
CHAIN		mm
Pitch		9.525
Width Between Inner Plates		5.720
Roller Diameter		6.350

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	9.525	6.35	8	28.71	24.89	10	5.3	5.2	15	8	20	15	8	25	15	8	32
S1/D2/T3	9.525	6.35	9	31.88	27.85	10	5.3	5.2	18	8	20	18	8	25	18	8	32
S1/D2/T3	9.525	6.35	10	35.03	30.82	10	5.3	5.2	20	8	20	20	8	25	20	10	32
S1/D2/T3	9.525	6.35	11	38.15	33.81	10	5.3	5.2	22	8	25	22	10	30	22	12	35
S1/D2/T3	9.525	6.35	12	41.26	36.80	10	5.3	5.2	25	8	25	25	10	30	25	12	35
S1/D2/T3	9.525	6.35	13	44.36	39.80	10	5.3	5.2	28	8	25	28	10	30	28	12	35
S1/D2/T3	9.525	6.35	14	47.45	42.80	10	5.3	5.2	31	8	25	31	10	30	31	12	35
S1/D2/T3	9.525	6.35	15	50.53	45.81	10	5.3	5.2	34	8	25	34	10	30	34	12	35
S1/D2/T3	9.525	6.35	16	53.60	48.82	10	5.3	5.2	37	10	28	37	12	30	37	12	35
S1/D2/T3	9.525	6.35	17	56.67	51.84	10	5.3	5.2	40	10	28	40	12	30	40	12	35
S1/D2/T3	9.525	6.35	18	59.73	54.85	10	5.3	5.2	43	10	28	43	12	30	43	12	35
S1/D2/T3	9.525	6.35	19	62.80	57.87	10	5.3	5.2	45	10	28	46	12	30	46	12	35
S1/D2/T3	9.525	6.35	20	65.85	60.89	10	5.3	5.2	46	10	28	49	12	30	49	12	35
S1/D2/T3	9.525	6.35	21	68.91	63.91	10	5.3	5.2	48	12	28	52	16	30	52	16	40
S1/D2/T3	9.525	6.35	22	71.96	66.93	10	5.3	5.2	50	12	28	55	16	30	55	16	40
S1/D2/T3	9.525	6.35	23	75.01	69.95	10	5.3	5.2	52	12	28	58	16	30	58	16	40
S1/D2/T3	9.525	6.35	24	78.06	72.97	10	5.3	5.2	54	12	28	61	16	30	61	16	40
S1/D2/T3	9.525	6.35	25	81.11	76.00	10	5.3	5.2	57	12	28	64	16	30	64	16	40
S1/D2/T3	9.525	6.35	26	84.16	79.02	10	5.3	5.2	60	12	28	67	16	30	67	16	40
S1/D2/T3	9.525	6.35	27	87.21	82.05	10	5.3	5.2	60	12	28	70	16	30	70	16	40
S1/D2/T3	9.525	6.35	28	90.25	85.07	10	5.3	5.2	60	12	28	73	16	30	73	16	40
S1/D2/T3	9.525	6.35	29	93.30	88.10	10	5.3	5.2	60	12	28	76	16	30	76	16	40
S1/D2/T3	9.525	6.35	30	96.34	91.12	10	5.3	5.2	60	12	30	79	16	30	79	16	40
S1/D2/T3	9.525	6.35	31	99.38	94.15	10	5.3	5.2	65	14	30	80	16	30	80	16	40
S1/D2/T3	9.525	6.35	32	102.42	97.18	10	5.3	5.2	65	14	30	80	16	30	80	16	40
S1/D2/T3	9.525	6.35	33	105.47	100.20	10	5.3	5.2	65	14	30	80	16	30	80	16	40
S1/D2/T3	9.525	6.35	34	108.51	103.23	10	5.3	5.2	65	14	30	80	16	30	85	16	40
S1/D2/T3	9.525	6.35	35	111.55	106.26	10	5.3	5.2	65	14	30	80	16	30	85	16	40
S1/D2/T3	9.525	6.35	36	114.59	109.29	10	5.3	5.2	70	16	30	90	16	30	90	16	40
S1/D2/T3	9.525	6.35	37	117.63	112.32	10	5.3	5.2	70	16	30	90	16	30	90	16	40
S1/D2/T3	9.525	6.35	38	120.66	115.34	10	5.3	5.2	70	16	30	90	16	30	90	16	40
S1/D2/T3	9.525	6.35	39	123.70	118.37	10	5.3	5.2	70	16	30	90	16	30	90	16	40
S1/D2/T3	9.525	6.35	40	126.74	121.40	10	5.3	5.2	70	16	30	90	16	30	90	16	40
S1/D2/T3	9.525	6.35	42	132.82	127.46	10	5.3	5.2	78	16	35	88	20	50	88	16	60
S1/D2/T3	9.525	6.35	45	141.93	136.55	10	5.3	5.2	78	16	35	88	20	50	88	20	60
S1/D2/T3	9.525	6.35	46	144.97	139.58	10	5.3	5.2	78	16	35	-	-	-	-	-	-
S1/D2/T3	9.525	6.35	48	151.04	145.64	10	5.3	5.2	78	16	35	88	20	50	-	-	-
S1/D2/T3	9.525	6.35	50	157.11	151.69	10	5.3	5.2	78	20	35	88	20	50	88	20	60
S1/D2/T3	9.525	6.35	55	172.29	166.85	10	5.3	5.2	78	20	35	-	-	-	88	20	60
S1/D2/T3	9.525	6.35	57	178.36	172.91	10	5.3	5.2	78	20	35	88	20	50	88	25	60
S1/D2/T3	9.525	6.35	60	187.46	182.00	10	5.3	5.2	78	20	35	88	20	50	88	25	60
S1/D2/T3	9.525	6.35	76	236.01	230.49	10	5.3	5.2	78	20	35	88	25	50	88	25	60
S1/D2/T3	9.525	6.35	95	293.64	288.08	10	5.3	5.2	88	25	40	108	25	50	120	25	60

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 081 1/2" x 1/8"



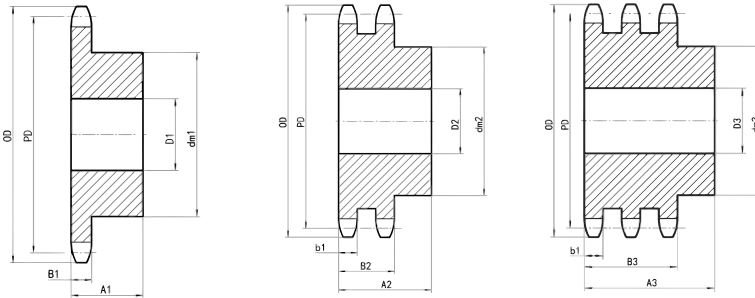
SPROCKET	mm
Tooth Radius r3	13.0
Chamfer c	1.0
Tooth Width B1	3.0
CHAIN	mm
Pitch	12.700
Width Between Inner Plates	3.300
Roller Diameter	7.750

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
S1	12.7	7.75	8	38.28	33.19	13	3	3	21	8	14
S1	12.7	7.75	9	42.51	37.13	13	3	3	25	8	14
S1	12.7	7.75	10	46.71	41.10	13	3	3	28	8	14
S1	12.7	7.75	11	50.87	45.08	13	3	3	31	8	16
S1	12.7	7.75	12	55.02	49.07	13	3	3	35	8	16
S1	12.7	7.75	13	59.15	53.07	13	3	3	39	8	16
S1	12.7	7.75	14	63.26	57.07	13	3	3	43	8	16
S1	12.7	7.75	15	67.37	61.08	13	3	3	47	8	16
S1	12.7	7.75	16	71.47	65.10	13	3	3	50	10	18
S1	12.7	7.75	17	75.56	69.12	13	3	3	50	10	18
S1	12.7	7.75	18	79.65	73.14	13	3	3	50	10	18
S1	12.7	7.75	19	83.73	77.16	13	3	3	50	10	18
S1	12.7	7.75	20	87.80	81.18	13	3	3	50	10	18
S1	12.7	7.75	21	91.88	85.21	13	3	3	60	12	20
S1	12.7	7.75	22	95.95	89.24	13	3	3	60	12	20
S1	12.7	7.75	23	100.02	93.27	13	3	3	60	12	20
S1	12.7	7.75	24	104.09	97.30	13	3	3	60	12	20
S1	12.7	7.75	25	108.15	101.33	13	3	3	60	12	20
S1	12.7	7.75	26	112.21	105.36	13	3	3	70	16	20
S1	12.7	7.75	27	116.28	109.40	13	3	3	70	16	20
S1	12.7	7.75	28	120.34	113.43	13	3	3	70	16	20
S1	12.7	7.75	29	124.39	117.46	13	3	3	70	16	20
S1	12.7	7.75	30	128.45	121.50	13	3	3	70	16	20
S1	12.7	7.75	31	132.51	125.53	13	3	3	-	-	-
S1	12.7	7.75	32	136.57	129.57	13	3	3	70	16	20
S1	12.7	7.75	33	140.62	133.61	13	3	3	-	-	-
S1	12.7	7.75	34	144.67	137.64	13	3	3	70	16	20
S1	12.7	7.75	35	148.73	141.68	13	3	3	70	16	20
S1	12.7	7.75	36	152.78	145.72	13	3	3	70	16	25
S1	12.7	7.75	37	156.83	149.75	13	3	3	70	16	25
S1	12.7	7.75	38	160.89	153.79	13	3	3	70	16	25
S1	12.7	7.75	39	164.94	157.83	13	3	3	70	16	25
S1	12.7	7.75	40	168.99	161.87	13	3	3	70	16	25

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

BS Pilot Bore Sprockets - 083 / 084 1/2" x 3/16"



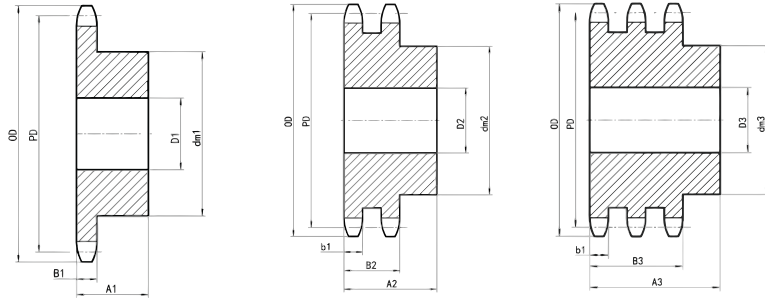
SPROCKET		mm
Tooth Radius r3		13.0
Chamfer c		1.3
Tooth Width B1		4.5
CHAIN		mm
Pitch		12.700
Width Between Inner Plates		4.880
Roller Diameter		7.750

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
S1	12.7	7.75	8	38.28	33.19	13	4.5	4.5	21	8	14
S1	12.7	7.75	9	42.51	37.13	13	4.5	4.5	25	8	14
S1	12.7	7.75	10	46.71	41.10	13	4.5	4.5	28	8	14
S1	12.7	7.75	11	50.87	45.08	13	4.5	4.5	31	8	16
S1	12.7	7.75	12	55.02	49.07	13	4.5	4.5	35	8	16
S1	12.7	7.75	13	59.15	53.07	13	4.5	4.5	39	8	16
S1	12.7	7.75	14	63.26	57.07	13	4.5	4.5	43	8	16
S1	12.7	7.75	15	67.37	61.08	13	4.5	4.5	47	8	16
S1	12.7	7.75	16	71.47	65.10	13	4.5	4.5	50	10	18
S1	12.7	7.75	17	75.56	69.12	13	4.5	4.5	50	10	18
S1	12.7	7.75	18	79.65	73.14	13	4.5	4.5	50	10	18
S1	12.7	7.75	19	83.73	77.16	13	4.5	4.5	50	10	18
S1	12.7	7.75	20	87.80	81.18	13	4.5	4.5	50	10	18
S1	12.7	7.75	21	91.88	85.21	13	4.5	4.5	60	12	20
S1	12.7	7.75	22	95.95	89.24	13	4.5	4.5	60	12	20
S1	12.7	7.75	23	100.02	93.27	13	4.5	4.5	60	12	20
S1	12.7	7.75	24	104.09	97.30	13	4.5	4.5	60	12	20
S1	12.7	7.75	25	108.15	101.33	13	4.5	4.5	60	12	20
S1	12.7	7.75	26	112.21	105.36	13	4.5	4.5	70	16	20
S1	12.7	7.75	27	116.28	109.40	13	4.5	4.5	70	16	20
S1	12.7	7.75	28	120.34	113.43	13	4.5	4.5	70	16	20
S1	12.7	7.75	29	124.39	117.46	13	4.5	4.5	70	16	20
S1	12.7	7.75	30	128.45	121.50	13	4.5	4.5	70	16	20
S1	12.7	7.75	31	132.51	125.53	13	4.5	4.5	70	16	20
S1	12.7	7.75	32	136.57	129.57	13	4.5	4.5	70	16	20
S1	12.7	7.75	33	140.62	133.61	13	4.5	4.5	70	16	20
S1	12.7	7.75	34	144.67	137.64	13	4.5	4.5	70	16	20
S1	12.7	7.75	35	148.73	141.68	13	4.5	4.5	70	16	20
S1	12.7	7.75	36	152.78	145.72	13	4.5	4.5	70	16	25
S1	12.7	7.75	37	156.83	149.75	13	4.5	4.5	70	16	25
S1	12.7	7.75	38	160.89	153.79	13	4.5	4.5	70	16	25
S1	12.7	7.75	39	164.94	157.83	13	4.5	4.5	70	16	25
S1	12.7	7.75	40	168.99	161.87	13	4.5	4.5	70	16	25

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

BS Pilot Bore Sprockets - 085 1/2" x 1/4"



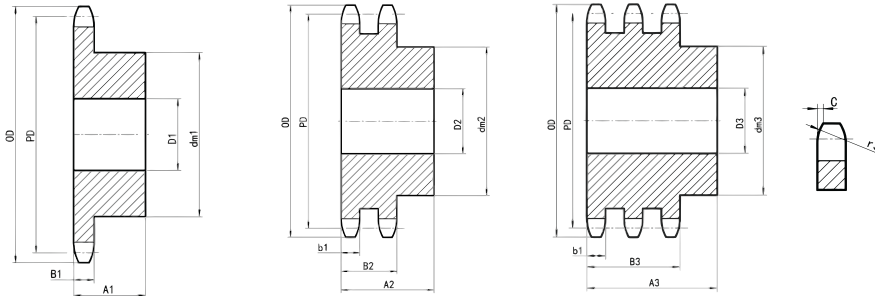
SPROCKET	mm
Tooth Radius r3	13.0
Chamfer c	1.3
Tooth Width B1	5.9
CHAIN	mm
Pitch	12.700
Width Between Inner Plates	6.400
Roller Diameter	7.750

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	12.7	8.51	8	38.28	33.19	13	7.2	7	20	10	25	20	10	32	20	10	46
S1/D2/T3	12.7	8.51	9	42.51	37.13	13	7.2	7	24	10	25	24	10	32	24	12	46
S1/D2/T3	12.7	8.51	10	46.71	41.10	13	7.2	7	26	10	25	28	10	32	28	12	46
S1/D2/T3	12.7	8.51	11	50.87	45.08	13	7.2	7	29	10	25	32	12	35	32	16	50
S1/D2/T3	12.7	8.51	12	55.02	49.07	13	7.2	7	33	10	28	35	12	35	35	16	50
S1/D2/T3	12.7	8.51	13	59.15	53.07	13	7.2	7	37	10	28	38	12	35	38	16	50
S1/D2/T3	12.7	8.51	14	63.26	57.07	13	7.2	7	41	10	28	42	12	35	42	16	50
S1/D2/T3	12.7	8.51	15	67.37	61.08	13	7.2	7	45	10	28	46	12	35	46	16	50
S1/D2/T3	12.7	8.51	16	71.47	65.10	13	7.2	7	50	12	28	50	16	38	50	16	50
S1/D2/T3	12.7	8.51	17	75.56	69.12	13	7.2	7	52	12	28	54	16	38	54	16	50
S1/D2/T3	12.7	8.51	18	79.65	73.14	13	7.2	7	56	12	28	58	16	38	58	16	50
S1/D2/T3	12.7	8.51	19	83.73	77.16	13	7.2	7	60	12	28	62	16	38	62	16	50
S1/D2/T3	12.7	8.51	20	87.80	81.18	13	7.2	7	64	12	28	66	16	38	66	16	50
S1/D2/T3	12.7	8.51	21	91.88	85.21	13	7.2	7	68	14	28	70	16	40	70	16	55
S1/D2/T3	12.7	8.51	22	95.95	89.24	13	7.2	7	70	14	28	70	16	40	70	16	55
S1/D2/T3	12.7	8.51	23	100.02	93.27	13	7.2	7	70	14	28	70	16	40	70	16	55
S1/D2/T3	12.7	8.51	24	104.09	97.30	13	7.2	7	70	14	28	75	16	40	75	16	55
S1/D2/T3	12.7	8.51	25	108.15	101.33	13	7.2	7	70	14	28	80	16	40	80	16	55
S1/D2/T3	12.7	8.51	26	112.21	105.36	13	7.2	7	70	16	30	85	16	40	85	20	55
S1/D2/T3	12.7	8.51	27	116.28	109.40	13	7.2	7	70	16	30	85	16	40	85	20	55
S1/D2/T3	12.7	8.51	28	120.34	113.43	13	7.2	7	70	16	30	90	16	40	90	20	55
S1/D2/T3	12.7	8.51	29	124.39	117.46	13	7.2	7	80	16	30	95	16	40	95	20	55
S1/D2/T3	12.7	8.51	30	128.45	121.50	13	7.2	7	80	16	30	100	16	40	100	20	55
S1/D2/T3	12.7	8.51	31	132.51	125.53	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	32	136.57	129.57	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	33	140.62	133.61	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	34	144.67	137.64	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	35	148.73	141.68	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	36	152.78	145.72	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	37	156.83	149.75	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	38	160.89	153.79	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	39	164.94	157.83	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	40	168.99	161.87	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	42	177.09	169.94	13	7.2	7	88	20	42	108	20	55	-	-	68
S1/D2/T3	12.7	8.51	45	189.24	182.06	13	7.2	7	88	20	42	108	20	55	120	25	68
S1/D2/T3	12.7	8.51	46	193.29	186.10	13	7.2	7	88	20	42	108	20	55	-	-	-
S1/D2/T3	12.7	8.51	48	201.38	194.18	13	7.2	7	88	20	42	108	20	55	-	-	-
S1/D2/T3	12.7	8.51	50	209.48	202.26	13	7.2	7	88	20	42	108	20	55	120	25	68
S1/D2/T3	12.7	8.51	55	229.72	222.46	13	7.2	7	88	20	42	108	20	55	-	-	-
S1/D2/T3	12.7	8.51	57	237.81	230.54	13	7.2	7	88	20	42	108	25	55	120	25	68
S1/D2/T3	12.7	8.51	60	249.95	242.66	13	7.2	7	88	20	42	108	25	55	120	25	68
S1/D2/T3	12.7	8.51	76	314.68	307.32	13	7.2	7	88	25	42	108	25	55	120	25	68
S1/D2/T3	12.7	8.51	95	391.52	384.11	13	7.2	7	108	25	42	120	25	55	136	25	68

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 08B 1/2" x 5/16"



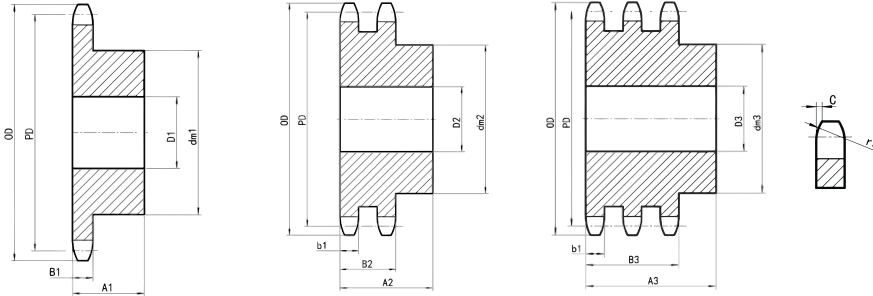
SPROCKET		mm
Tooth Radius r3		13.0
Chamfer c		1.3
Tooth Width b1		7.0
Tooth Width B1		7.2
Tooth Width B2		21.0
Tooth Width B3		34.9
CHAIN		mm
Pitch		12.700
Width Between Inner Plates		7.750
Roller Diameter		8.510

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	12.7	8.51	8	38.28	33.19	13	7.2	7	20	10	25	20	10	32	20	10	46
S1/D2/T3	12.7	8.51	9	42.51	37.13	13	7.2	7	24	10	25	24	10	32	24	12	46
S1/D2/T3	12.7	8.51	10	46.71	41.10	13	7.2	7	26	10	25	28	10	32	28	12	46
S1/D2/T3	12.7	8.51	11	50.87	45.08	13	7.2	7	29	10	25	32	12	35	32	16	50
S1/D2/T3	12.7	8.51	12	55.02	49.07	13	7.2	7	33	10	28	35	12	35	35	16	50
S1/D2/T3	12.7	8.51	13	59.15	53.07	13	7.2	7	37	10	28	38	12	35	38	16	50
S1/D2/T3	12.7	8.51	14	63.26	57.07	13	7.2	7	41	10	28	42	12	35	42	16	50
S1/D2/T3	12.7	8.51	15	67.37	61.08	13	7.2	7	45	10	28	46	12	35	46	16	50
S1/D2/T3	12.7	8.51	16	71.47	65.10	13	7.2	7	50	12	28	50	16	38	50	16	50
S1/D2/T3	12.7	8.51	17	75.56	69.12	13	7.2	7	52	12	28	54	16	38	54	16	50
S1/D2/T3	12.7	8.51	18	79.65	73.14	13	7.2	7	56	12	28	58	16	38	58	16	50
S1/D2/T3	12.7	8.51	19	83.73	77.16	13	7.2	7	60	12	28	62	16	38	62	16	50
S1/D2/T3	12.7	8.51	20	87.80	81.18	13	7.2	7	64	12	28	66	16	38	66	16	50
S1/D2/T3	12.7	8.51	21	91.88	85.21	13	7.2	7	68	14	28	70	16	40	70	16	55
S1/D2/T3	12.7	8.51	22	95.95	89.24	13	7.2	7	70	14	28	70	16	40	70	16	55
S1/D2/T3	12.7	8.51	23	100.02	93.27	13	7.2	7	70	14	28	70	16	40	70	16	55
S1/D2/T3	12.7	8.51	24	104.09	97.30	13	7.2	7	70	14	28	75	16	40	75	16	55
S1/D2/T3	12.7	8.51	25	108.15	101.33	13	7.2	7	70	14	28	80	16	40	80	16	55
S1/D2/T3	12.7	8.51	26	112.21	105.36	13	7.2	7	70	16	30	85	16	40	85	20	55
S1/D2/T3	12.7	8.51	27	116.28	109.40	13	7.2	7	70	16	30	85	16	40	85	20	55
S1/D2/T3	12.7	8.51	28	120.34	113.43	13	7.2	7	70	16	30	90	16	40	90	20	55
S1/D2/T3	12.7	8.51	29	124.39	117.46	13	7.2	7	80	16	30	95	16	40	95	20	55
S1/D2/T3	12.7	8.51	30	128.45	121.50	13	7.2	7	80	16	30	100	16	40	100	20	55
S1/D2/T3	12.7	8.51	31	132.51	125.53	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	32	136.57	129.57	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	33	140.62	133.61	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	34	144.67	137.64	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	35	148.73	141.68	13	7.2	7	90	16	30	100	20	40	110	20	55
S1/D2/T3	12.7	8.51	36	152.78	145.72	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	37	156.83	149.75	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	38	160.89	153.79	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	39	164.94	157.83	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	40	168.99	161.87	13	7.2	7	90	16	35	100	20	40	120	25	55
S1/D2/T3	12.7	8.51	42	177.09	169.94	13	7.2	7	88	20	42	108	20	55	-	-	68
S1/D2/T3	12.7	8.51	45	189.24	182.06	13	7.2	7	88	20	42	108	20	55	120	25	68
S1/D2/T3	12.7	8.51	46	193.29	186.10	13	7.2	7	88	20	42	108	20	55	-	-	-
S1/D2/T3	12.7	8.51	48	201.38	194.18	13	7.2	7	88	20	42	108	20	55	-	-	-
S1/D2/T3	12.7	8.51	50	209.48	202.26	13	7.2	7	88	20	42	108	20	55	120	25	68
S1/D2/T3	12.7	8.51	55	229.72	222.46	13	7.2	7	88	20	42	108	20	55	-	-	-
S1/D2/T3	12.7	8.51	57	237.81	230.54	13	7.2	7	88	20	42	108	25	55	120	25	68
S1/D2/T3	12.7	8.51	60	249.95	242.66	13	7.2	7	88	20	42	108	25	55	120	25	68
S1/D2/T3	12.7	8.51	76	314.68	307.32	13	7.2	7	88	25	42	108	25	55	120	25	68
S1/D2/T3	12.7	8.51	95	391.52	384.11	13	7.2	7	108	25	42	120	25	55	136	25	68

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 10B 5/8" x 3/8"



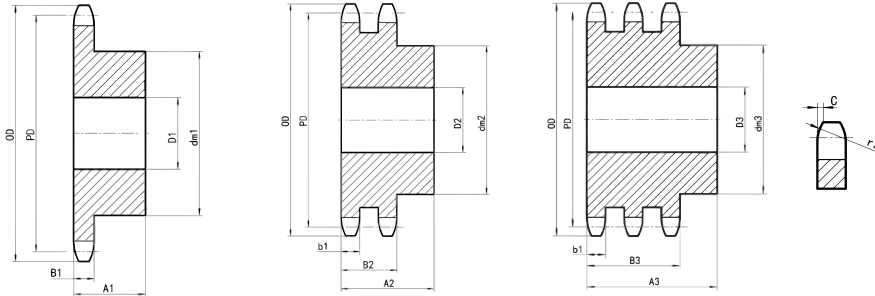
SPROCKET		mm
Tooth Radius r3		16.0
Chamfer c		1.6
Tooth Width b1		9.0
Tooth Width B1		9.1
Tooth Width B2		25.5
Tooth Width B3		42.1
CHAIN		mm
Pitch		15.875
Width Between Inner Plates		9.650
Roller Diameter		10.160

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	15.875	10.16	8	47.85	41.48	16	9.1	9	25	10	25	25	12	40	25	12	55
S1/D2/T3	15.875	10.16	9	53.14	46.42	16	9.1	9	30	10	25	30	12	40	30	12	55
S1/D2/T3	15.875	10.16	10	58.38	51.37	16	9.1	9	35	10	25	35	12	40	35	16	55
S1/D2/T3	15.875	10.16	11	63.59	56.35	16	9.1	9	37	12	30	39	16	40	39	16	55
S1/D2/T3	15.875	10.16	12	68.77	61.34	16	9.1	9	42	12	30	44	16	40	44	16	55
S1/D2/T3	15.875	10.16	13	73.93	66.33	16	9.1	9	47	12	30	49	16	40	49	16	55
S1/D2/T3	15.875	10.16	14	79.08	71.34	16	9.1	9	52	12	30	54	16	40	54	16	55
S1/D2/T3	15.875	10.16	15	84.21	76.35	16	9.1	9	57	12	30	59	16	40	59	16	55
S1/D2/T3	15.875	10.16	16	89.33	81.37	16	9.1	9	60	12	30	64	16	45	64	16	60
S1/D2/T3	15.875	10.16	17	94.45	86.39	16	9.1	9	60	12	30	69	16	45	69	16	60
S1/D2/T3	15.875	10.16	18	99.56	91.42	16	9.1	9	70	14	30	74	16	45	74	16	60
S1/D2/T3	15.875	10.16	19	104.66	96.45	16	9.1	9	70	14	30	79	16	45	79	16	60
S1/D2/T3	15.875	10.16	20	109.76	101.48	16	9.1	9	75	14	30	84	16	45	84	16	60
S1/D2/T3	15.875	10.16	21	114.85	106.51	16	9.1	9	75	16	30	85	16	45	85	20	60
S1/D2/T3	15.875	10.16	22	119.94	111.55	16	9.1	9	80	16	30	90	16	45	90	20	60
S1/D2/T3	15.875	10.16	23	125.02	116.59	16	9.1	9	80	16	30	95	16	45	95	20	60
S1/D2/T3	15.875	10.16	24	130.11	121.62	16	9.1	9	80	16	30	100	16	45	100	20	60
S1/D2/T3	15.875	10.16	25	135.19	126.66	16	9.1	9	80	16	30	105	16	45	105	20	60
S1/D2/T3	15.875	10.16	26	140.27	131.70	16	9.1	9	85	20	35	110	20	45	110	20	60
S1/D2/T3	15.875	10.16	27	145.34	136.74	16	9.1	9	85	20	35	110	20	45	110	20	60
S1/D2/T3	15.875	10.16	28	150.42	141.79	16	9.1	9	90	20	35	115	20	45	115	20	60
S1/D2/T3	15.875	10.16	29	155.49	146.83	16	9.1	9	90	20	35	115	20	45	115	20	60
S1/D2/T3	15.875	10.16	30	160.57	151.87	16	9.1	9	90	20	35	120	20	45	120	20	60
S1/D2/T3	15.875	10.16	31	165.64	156.92	16	9.1	9	95	20	35	120	20	45	120	20	60
S1/D2/T3	15.875	10.16	32	170.71	161.96	16	9.1	9	95	20	35	120	20	45	120	20	60
S1/D2/T3	15.875	10.16	33	175.78	167.01	16	9.1	9	95	20	35	120	20	45	120	20	60
S1/D2/T3	15.875	10.16	34	180.84	172.05	16	9.1	9	95	20	35	120	20	45	120	20	60
S1/D2/T3	15.875	10.16	35	185.91	177.10	16	9.1	9	95	20	35	120	20	45	120	20	60
S1/D2/T3	15.875	10.16	36	190.98	182.15	16	9.1	9	100	20	35	120	20	45	120	25	60
S1/D2/T3	15.875	10.16	37	196.04	187.19	16	9.1	9	100	20	35	120	20	45	120	25	60
S1/D2/T3	15.875	10.16	38	201.11	192.24	16	9.1	9	100	20	35	120	20	45	120	25	60
S1/D2/T3	15.875	10.16	39	206.17	197.29	16	9.1	9	100	20	35	120	20	45	120	25	60
S1/D2/T3	15.875	10.16	40	211.24	202.33	16	9.1	9	100	20	35	120	20	45	120	25	60
S1/D2/T3	15.875	10.16	42	221.36	212.43	16	9.1	9	108	20	43	120	25	59	136	25	74
S1/D2/T3	15.875	10.16	45	236.55	227.58	16	9.1	9	108	20	43	120	25	59	136	25	74
S1/D2/T3	15.875	10.16	46	241.61	232.63	16	9.1	9	108	20	43	120	25	59	-	-	-
S1/D2/T3	15.875	10.16	48	251.73	242.73	16	9.1	9	108	20	43	120	25	59	-	-	-
S1/D2/T3	15.875	10.16	50	261.85	252.82	16	9.1	9	108	20	43	120	25	59	136	25	74
S1/D2/T3	15.875	10.16	55	287.15	278.08	16	9.1	9	108	20	43	-	-	-	-	-	-
S1/D2/T3	15.875	10.16	57	297.26	288.18	16	9.1	9	108	25	43	120	25	59	136	25	74
S1/D2/T3	15.875	10.16	60	312.44	303.33	16	9.1	9	108	25	43	120	25	59	136	25	74
S1/D2/T3	15.875	10.16	76	393.35	384.15	16	9.1	9	108	25	43	120	25	59	145	30	75
S1/D2/T3	15.875	10.16	95	489.40	480.14	16	9.1	9	118	30	59	145	30	59	145	30	75

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 12B 3/4" x 7/16"



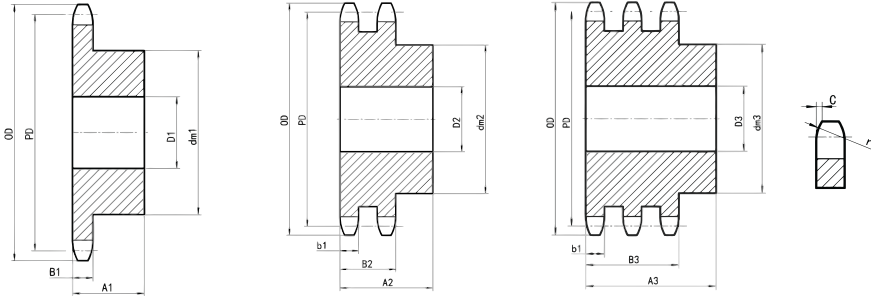
SPROCKET		mm
Tooth Radius r3		19.0
Chamfer c		2.0
Tooth Width b1		10.9
Tooth Width B1		11.1
Tooth Width B2		30.3
Tooth Width B3		49.8
CHAIN		mm
Pitch		19.05
Width Between Inner Plates		11.68
Roller Diameter		12.07

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	19.05	12.07	8	57.42	49.78	19	11.1	10.8	31	12	30	31	12	45	31	16	65
S1/D2/T3	19.05	12.07	9	63.77	55.70	19	11.1	10.8	37	12	30	37	12	45	37	16	65
S1/D2/T3	19.05	12.07	10	70.06	61.65	19	11.1	10.8	42	12	30	42	12	45	42	16	65
S1/D2/T3	19.05	12.07	11	76.31	67.62	19	11.1	10.8	46	16	35	47	16	50	47	20	70
S1/D2/T3	19.05	12.07	12	82.53	73.60	19	11.1	10.8	52	16	35	53	16	50	53	20	70
S1/D2/T3	19.05	12.07	13	88.72	79.60	19	11.1	10.8	58	16	35	59	16	50	59	20	70
S1/D2/T3	19.05	12.07	14	94.89	85.61	19	11.1	10.8	64	16	35	65	16	50	65	20	70
S1/D2/T3	19.05	12.07	15	101.05	91.63	19	11.1	10.8	70	16	35	71	16	50	71	20	70
S1/D2/T3	19.05	12.07	16	107.20	97.65	19	11.1	10.8	75	16	35	77	20	50	77	20	70
S1/D2/T3	19.05	12.07	17	113.34	103.67	19	11.1	10.8	80	16	35	83	20	50	83	20	70
S1/D2/T3	19.05	12.07	18	119.47	109.70	19	11.1	10.8	80	16	35	89	20	50	89	20	70
S1/D2/T3	19.05	12.07	19	125.59	115.74	19	11.1	10.8	80	16	35	95	20	50	95	20	70
S1/D2/T3	19.05	12.07	20	131.71	121.78	19	11.1	10.8	80	16	35	100	20	50	100	20	70
S1/D2/T3	19.05	12.07	21	137.82	127.82	19	11.1	10.8	90	20	40	100	20	50	100	20	70
S1/D2/T3	19.05	12.07	22	143.93	133.86	19	11.1	10.8	90	20	40	100	20	50	100	20	70
S1/D2/T3	19.05	12.07	23	150.03	139.90	19	11.1	10.8	90	20	40	110	20	50	110	20	70
S1/D2/T3	19.05	12.07	24	156.13	145.95	19	11.1	10.8	90	20	40	110	20	50	110	20	70
S1/D2/T3	19.05	12.07	25	162.23	151.99	19	11.1	10.8	90	20	40	120	20	50	120	20	70
S1/D2/T3	19.05	12.07	26	168.32	158.04	19	11.1	10.8	95	20	40	120	20	50	120	20	70
S1/D2/T3	19.05	12.07	27	174.41	164.09	19	11.1	10.8	95	20	40	120	20	50	120	20	70
S1/D2/T3	19.05	12.07	28	180.50	170.14	19	11.1	10.8	95	20	40	120	20	50	120	20	70
S1/D2/T3	19.05	12.07	29	186.59	176.19	19	11.1	10.8	95	20	40	120	20	50	120	20	70
S1/D2/T3	19.05	12.07	30	192.68	182.25	19	11.1	10.8	95	20	40	120	20	50	120	20	70
S1/D2/T3	19.05	12.07	31	198.76	188.30	19	11.1	10.8	95	20	40	120	20	50	130	25	70
S1/D2/T3	19.05	12.07	32	204.85	194.35	19	11.1	10.8	95	20	40	120	20	50	130	25	70
S1/D2/T3	19.05	12.07	33	210.93	200.41	19	11.1	10.8	95	20	40	120	20	50	130	25	70
S1/D2/T3	19.05	12.07	34	217.01	206.46	19	11.1	10.8	95	20	40	120	20	50	130	25	70
S1/D2/T3	19.05	12.07	35	223.09	212.52	19	11.1	10.8	95	20	40	120	20	50	130	25	70
S1/D2/T3	19.05	12.07	36	229.17	218.57	19	11.1	10.8	100	20	40	120	25	50	130	25	70
S1/D2/T3	19.05	12.07	37	235.25	224.63	19	11.1	10.8	100	20	40	120	25	50	130	25	70
S1/D2/T3	19.05	12.07	38	241.33	230.69	19	11.1	10.8	100	20	40	120	25	50	130	25	70
S1/D2/T3	19.05	12.07	39	247.41	236.74	19	11.1	10.8	100	20	40	120	25	50	130	25	70
S1/D2/T3	19.05	12.07	40	253.48	242.80	19	11.1	10.8	100	20	40	120	25	50	130	25	70
S1/D2/T3	19.05	12.07	42	265.63	254.92	19	11.1	10.8	118	25	61	136	25	62	140	-	72
S1/D2/T3	19.05	12.07	45	283.86	273.09	19	11.1	10.8	118	25	61	136	25	62	140	25	72
S1/D2/T3	19.05	12.07	46	289.93	279.15	19	11.1	10.8	118	25	61	136	25	62	-	-	-
S1/D2/T3	19.05	12.07	48	302.08	291.27	19	11.1	10.8	118	25	61	136	25	62	-	-	-
S1/D2/T3	19.05	12.07	50	314.22	303.39	19	11.1	10.8	118	25	61	136	25	62	140	25	72
S1/D2/T3	19.05	12.07	55	344.58	333.69	19	11.1	10.8	118	25	61	-	-	-	140	25	75
S1/D2/T3	19.05	12.07	57	356.72	345.81	19	11.1	10.8	118	25	61	136	25	62	140	30	75
S1/D2/T3	19.05	12.07	60	374.93	363.99	19	11.1	10.8	118	25	61	136	25	62	140	30	75
S1/D2/T3	19.05	12.07	76	472.02	460.98	19	11.1	10.8	118	30	61	145	30	63	150	30	75
S1/D2/T3	19.05	12.07	95	587.28	576.17	19	11.1	10.8	133	30	62	145	30	63	150	30	75

All dimensions in millimeters unless otherwise stated.

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BS Pilot Bore Sprockets - 16B 1" x 17.02 mm



SPROCKET		mm
Tooth Radius r3		26.0
Chamfer c		2.5
Tooth Width b1		15.8
Tooth Width B1		16.2
Tooth Width B2		47.7
Tooth Width B3		79.6
CHAIN		mm
Pitch		25.400
Width Between Inner Plates		17.02
Roller Diameter		15.880

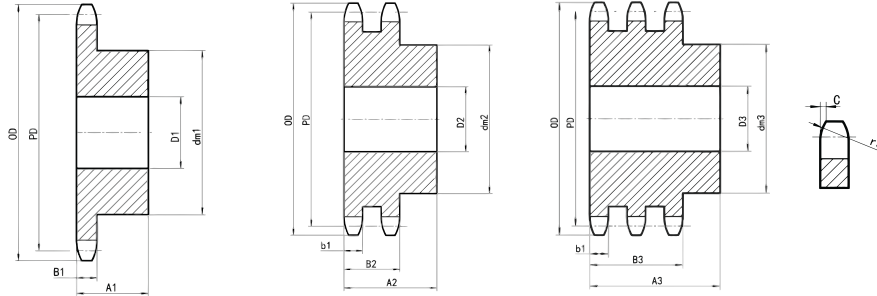
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	25.4	15.875	8	76.56	66.37	26	16.2	15.8	42	16	35	42	20	65	42	20	95
S1/D2/T3	25.4	15.875	9	85.03	74.26	26	16.2	15.8	50	16	35	50	20	65	50	20	95
S1/D2/T3	25.4	15.875	10	93.41	82.20	26	16.2	15.8	55	16	35	56	20	65	56	20	95
S1/D2/T3	25.4	15.875	11	101.74	90.16	26	16.2	15.8	61	16	40	64	20	70	64	25	100
S1/D2/T3	25.4	15.875	12	110.03	98.14	26	16.2	15.8	69	16	40	72	20	70	72	25	100
S1/D2/T3	25.4	15.875	13	118.29	106.14	26	16.2	15.8	78	16	40	80	20	70	80	25	100
S1/D2/T3	25.4	15.875	14	126.52	114.15	26	16.2	15.8	84	16	40	88	20	70	88	25	100
S1/D2/T3	25.4	15.875	15	134.74	122.17	26	16.2	15.8	92	16	40	96	20	70	96	25	100
S1/D2/T3	25.4	15.875	16	142.93	130.20	26	16.2	15.8	100	20	45	104	20	70	104	25	100
S1/D2/T3	25.4	15.875	17	151.12	138.23	26	16.2	15.8	100	20	45	112	20	70	112	25	100
S1/D2/T3	25.4	15.875	18	159.29	146.27	26	16.2	15.8	100	20	45	120	20	70	120	25	100
S1/D2/T3	25.4	15.875	19	167.45	154.32	26	16.2	15.8	100	20	45	128	20	70	128	25	100
S1/D2/T3	25.4	15.875	20	175.61	162.37	26	16.2	15.8	100	20	45	130	20	70	130	25	100
S1/D2/T3	25.4	15.875	21	183.76	170.42	26	16.2	15.8	110	20	50	130	25	70	130	25	100
S1/D2/T3	25.4	15.875	22	191.90	178.48	26	16.2	15.8	110	20	50	130	25	70	130	25	100
S1/D2/T3	25.4	15.875	23	200.04	186.54	26	16.2	15.8	110	20	50	130	25	70	130	25	100
S1/D2/T3	25.4	15.875	24	208.17	194.60	26	16.2	15.8	110	20	50	130	25	70	130	25	100
S1/D2/T3	25.4	15.875	25	216.30	202.66	26	16.2	15.8	110	20	50	130	25	70	130	25	100
S1/D2/T3	25.4	15.875	26	224.43	210.72	26	16.2	15.8	120	20	50	130	25	70	130	30	100
S1/D2/T3	25.4	15.875	27	232.55	218.79	26	16.2	15.8	120	20	50	130	25	70	130	30	100
S1/D2/T3	25.4	15.875	28	240.67	226.86	26	16.2	15.8	120	20	50	130	25	70	130	30	100
S1/D2/T3	25.4	15.875	29	248.79	234.93	26	16.2	15.8	120	20	50	130	25	70	130	30	100
S1/D2/T3	25.4	15.875	30	256.90	243.00	26	16.2	15.8	120	20	50	130	25	70	130	30	100
S1/D2/T3	25.4	15.875	31	265.02	251.07	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	32	273.13	259.14	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	33	281.24	267.21	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	34	289.35	275.28	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	35	297.46	283.36	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	36	305.56	291.43	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	37	313.67	299.51	26	16.2	15.8	120	25	50	140	25	70	-	-	-
S1/D2/T3	25.4	15.875	38	321.77	307.58	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	39	329.88	315.66	26	16.2	15.8	120	25	50	140	25	70	-	-	-
S1/D2/T3	25.4	15.875	40	337.98	323.74	26	16.2	15.8	120	25	50	140	25	70	140	30	100
S1/D2/T3	25.4	15.875	42	354.18	339.89	26	16.2	15.8	133	25	68	140	25	70	160	30	110
S1/D2/T3	25.4	15.875	45	378.48	364.12	26	16.2	15.8	133	25	68	140	25	70	160	30	110
S1/D2/T3	25.4	15.875	46	386.57	372.20	26	16.2	15.8	133	25	68	140	25	70	-	-	-
S1/D2/T3	25.4	15.875	48	402.77	388.36	26	16.2	15.8	133	25	68	140	25	70	-	-	-
S1/D2/T3	25.4	15.875	50	418.96	404.52	26	16.2	15.8	133	25	68	140	25	70	160	30	110
S1/D2/T3	25.4	15.875	57	475.62	461.08	26	16.2	15.8	133	30	68	160	40	82	180	40	112
S1/D2/T3	25.4	15.875	60	499.90	485.33	26	16.2	15.8	133	30	68	160	40	82	-	-	-
S1/D2/T3	25.4	15.875	76	629.36	614.64	26	16.2	15.8	145	30	68	160	40	82	180	40	112
S1/D2/T3	25.4	15.875	95	783.04	768.22	26	16.2	15.8	160	30	78	180	40	109	180	40	112

BS Pilot Bore Sprockets - 20B 1.1/4" x 3/4"

SPROCKET		mm
Tooth Radius r3		32.0
Chamfer c		3.5
Tooth Width b1		18.2
Tooth Width B1		18.5
Tooth Width B2		54.6
Tooth Width B3		91.0
CHAIN		mm
Pitch		31.750
Width Between Inner Plates		19.56
Roller Diameter		19.050

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	31.75	19.05	8	95.70	82.97	32	18.5	18.2	53	20	40	53	20	75	53	25	110
S1/D2/T3	31.75	19.05	9	106.28	92.83	32	18.5	18.2	63	20	40	63	20	75	63	25	110
S1/D2/T3	31.75	19.05	10	116.86	102.69	32	18.5	18.2	73	20	40	73	20	75	73	25	110
S1/D2/T3	31.75	19.05	11	127.44	112.56	32	18.5	18.2	83	20	40	83	20	75	83	25	110
S1/D2/T3	31.75	19.05	12	138.03	122.42	32	18.5	18.2	93	20	40	93	20	75	93	25	110
S1/D2/T3	31.75	19.05	13	148.61	132.29	32	18.5	18.2	103	20	40	103	20	75	103	25	110
S1/D2/T3	31.75	19.05	14	159.19	142.15	32	18.5	18.2	113	20	40	113	20	75	113	25	110
S1/D2/T3	31.75	19.05	15	169.77	152.02	32	18.5	18.2	123	20	40	123	20	75	123	25	110
S1/D2/T3	31.75	19.05	16	180.35	161.88	32	18.5	18.2	133	20	40	133	20	75	133	25	110
S1/D2/T3	31.75	19.05	17	190.93	171.74	32	18.5	18.2	143	20	40	143	20	75	143	25	110
S1/D2/T3	31.75	19.05	18	201.51	181.61	32	18.5	18.2	153	20	40	153	20	75	153	25	110
S1/D2/T3	31.75	19.05	19	212.09	191.47	32	18.5	18.2	163	20	40	163	20	75	163	25	110
S1/D2/T3	31.75	19.05	20	222.67	201.34	32	18.5	18.2	173	20	40	173	20	75	173	25	110
S1/D2/T3	31.75	19.05	21	233.26	211.20	32	18.5	18.2	183	20	40	183	20	75	183	25	110
S1/D2/T3	31.75	19.05	22	243.84	221.06	32	18.5	18.2	193	20	40	193	20	75	193	25	110
S1/D2/T3	31.75	19.05	23	254.42	230.93	32	18.5	18.2	203	20	40	203	20	75	203	25	110
S1/D2/T3	31.75	19.05	24	265.00	240.79	32	18.5	18.2	213	20	40	213	20	75	213	25	110
S1/D2/T3	31.75	19.05	25	275.58	250.66	32	18.5	18.2	223	20	40	223	20	75	223	25	110
S1/D2/T3	31.75	19.05	26	286.16	260.52	32	18.5	18.2	233	20	40	233	20	75	233	25	110
S1/D2/T3	31.75	19.05	27	296.74	270.38	32	18.5	18.2	243	20	40	243	20	75	243	25	110
S1/D2/T3	31.75	19.05	28	307.32	280.25	32	18.5	18.2	253	20	40	253	20	75	253	25	110
S1/D2/T3	31.75	19.05	29	317.90	290.11	32	18.5	18.2	263	20	40	263	20	75	263	25	110
S1/D2/T3	31.75	19.05	30	328.49	299.98	32	18.5	18.2	273	20	40	273	20	75	273	25	110
S1/D2/T3	31.75	19.05	31	339.07	309.84	32	18.5	18.2	283	20	40	283	20	75	283	25	110
S1/D2/T3	31.75	19.05	32	349.65	319.70	32	18.5	18.2	293	20	40	293	20	75	293	25	110
S1/D2/T3	31.75	19.05	33	360.23	329.57	32	18.5	18.2	303	20	40	303	20	75	303	25	110
S1/D2/T3	31.75	19.05	34	370.81	339.43	32	18.5	18.2	313	20	40	313	20	75	313	25	110
S1/D2/T3	31.75	19.05	35	381.39	349.30	32	18.5	18.2	323	20	40	323	20	75	323	25	110
S1/D2/T3	31.75	19.05	36	391.97	359.16	32	18.5	18.2	333	20	40	333	20	75	333	25	110
S1/D2/T3	31.75	19.05	37	402.55	369.02	32	18.5	18.2	343	20	40	343	20	75	343	25	110
S1/D2/T3	31.75	19.05	38	413.14	378.89	32	18.5	18.2	353	20	40	353	20	75	353	25	110
S1/D2/T3	31.75	19.05	39	423.72	388.75	32	18.5	18.2	363	20	40	363	20	75	363	25	110
S1/D2/T3	31.75	19.05	40	434.30	398.62	32	18.5	18.2	373	20	40	373	20	75	373	25	110
S1/D2/T3	31.75	19.05	41	444.88	408.48	32	18.5	18.2	383	20	40	383	20	75	383	25	110
S1/D2/T3	31.75	19.05	42	455.46	418.34	32	18.5	18.2	393	20	40	393	20	75	393	25	110
S1/D2/T3	31.75	19.05	43	466.04	428.21	32	18.5	18.2	403	20	40	403	20	75	403	25	110
S1/D2/T3	31.75	19.05	44	476.62	438.07	32	18.5	18.2	413	20	40	413	20	75	413	25	110
S1/D2/T3	31.75	19.05	45	487.20	447.94	32	18.5	18.2	423	20	40	423	20	75	423	25	110
S1/D2/T3	31.75	19.05	46	497.78	457.80	32	18.5	18.2	433	20	40	433	20	75	433	25	110

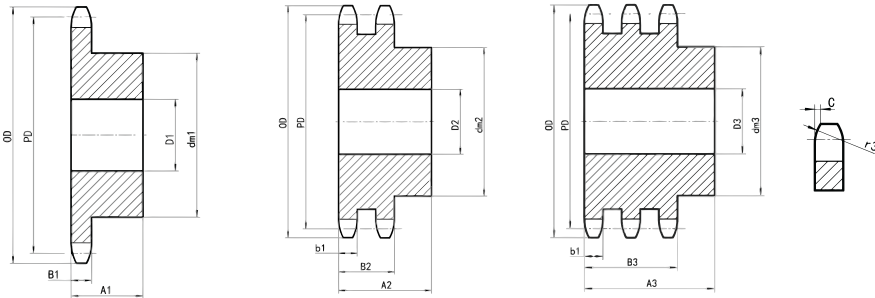
BS Pilot Bore Sprockets - 24B 1.1/2" x 1"



SPROCKET		mm
Tooth Radius r3		38.0
Chamfer c		4.0
Tooth Width b1		23.6
Tooth Width B1		24.1
Tooth Width B2		72.0
Tooth Width B3		120.3
CHAIN		mm
Pitch		38.100
Width Between Inner Plates		25.40
Roller Diameter		25.400

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	38.1	25.4	8	114.84	99.56	38	24.1	23.6	58	20	45	58	25	95	58	25	140
S1/D2/T3	38.1	25.4	9	127.54	111.40	38	24.1	23.6	70	20	45	70	25	95	70	25	140
S1/D2/T3	38.1	25.4	10	140.12	123.29	38	24.1	23.6	80	20	45	80	25	95	80	25	140
S1/D2/T3	38.1	25.4	11	152.62	135.23	38	24.1	23.6	90	25	50	90	25	100	90	30	150
S1/D2/T3	38.1	25.4	12	165.05	147.21	38	24.1	23.6	102	25	50	102	25	100	102	30	150
S1/D2/T3	38.1	25.4	13	177.44	159.20	38	24.1	23.6	114	25	50	114	25	100	114	30	150
S1/D2/T3	38.1	25.4	14	189.79	171.22	38	24.1	23.6	128	25	50	128	25	100	128	30	150
S1/D2/T3	38.1	25.4	15	202.11	183.25	38	24.1	23.6	132	25	50	132	25	100	132	30	150
S1/D2/T3	38.1	25.4	16	214.40	195.29	38	24.1	23.6	136	25	55	136	30	100	136	30	150
S1/D2/T3	38.1	25.4	17	226.68	207.35	38	24.1	23.6	136	25	55	136	30	100	136	30	150
S1/D2/T3	38.1	25.4	18	238.94	219.41	38	24.1	23.6	136	25	55	160	30	100	160	30	150
S1/D2/T3	38.1	25.4	19	251.18	231.48	38	24.1	23.6	136	25	55	160	30	100	160	30	150
S1/D2/T3	38.1	25.4	20	263.41	243.55	38	24.1	23.6	136	25	55	160	30	100	160	30	150
S1/D2/T3	38.1	25.4	21	275.64	255.63	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	22	287.85	267.72	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	23	300.06	279.80	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	24	312.26	291.90	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	25	324.45	303.99	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	26	336.64	316.09	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	27	348.83	328.19	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	28	361.01	340.29	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	29	373.18	352.39	38	24.1	23.6	150	30	60	160	30	100	-	-	-
S1/D2/T3	38.1	25.4	30	385.36	364.49	38	24.1	23.6	150	30	60	160	30	100	160	40	150
S1/D2/T3	38.1	25.4	31	397.53	376.60	38	24.1	23.6	150	30	60	160	40	100	-	-	-
S1/D2/T3	38.1	25.4	32	409.70	388.71	38	24.1	23.6	150	30	60	160	40	100	160	40	150
S1/D2/T3	38.1	25.4	33	421.86	400.82	38	24.1	23.6	150	30	60	160	40	100	-	-	-
S1/D2/T3	38.1	25.4	34	434.02	412.93	38	24.1	23.6	150	30	60	160	40	100	-	-	-
S1/D2/T3	38.1	25.4	35	446.19	425.04	38	24.1	23.6	150	30	60	160	40	100	160	40	150
S1/D2/T3	38.1	25.4	36	458.34	437.15	38	24.1	23.6	150	30	60	160	40	100	-	-	-
S1/D2/T3	38.1	25.4	37	470.50	449.26	38	24.1	23.6	150	30	60	160	40	100	-	-	-
S1/D2/T3	38.1	25.4	38	482.66	461.37	38	24.1	23.6	150	30	60	160	40	100	160	40	150
S1/D2/T3	38.1	25.4	39	494.81	473.49	38	24.1	23.6	-	-	-	-	-	-	-	-	-
S1/D2/T3	38.1	25.4	40	506.97	485.60	38	24.1	23.6	150	30	60	160	40	100	160	40	150
S1/D2/T3	38.1	25.4	45	567.72	546.19	38	24.1	23.6	168	30	99	180	40	133	200	40	153
S1/D2/T3	38.1	25.4	46	579.86	558.30	38	24.1	23.6	168	30	99	180*	40*	133	200*	-	-
S1/D2/T3	38.1	25.4	50	628.44	606.78	38	24.1	23.6	168	30	99	180	40	133	200	40	153
S1/D2/T3	38.1	25.4	57	713.43	691.62	38	24.1	23.6	168	30	99	180	40	133	200	40	153
S1/D2/T3	38.1	25.4	76	944.03	921.96	38	24.1	23.6	178	40	118	200	40	133	220	40	155
S1/D2/T3	38.1	25.4	95	1174.56	1152.33	38	24.1	23.6	178	40	118	200	40*	133	220	40*	155

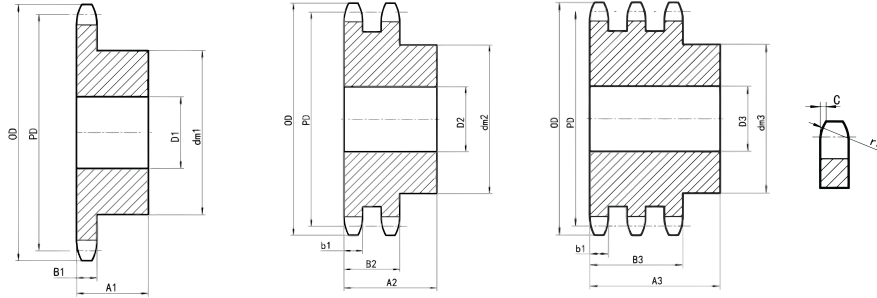
BS Pilot Bore Sprockets - 28B 1.3/4" x 1.1/4"



SPROCKET		mm
Tooth Radius r3		44.0
Chamfer c		5.0
Tooth Width b1		28.8
Tooth Width B1		29.4
Tooth Width B2		88.4
Tooth Width B3		148.0
CHAIN		mm
Pitch		44.45
Width Between Inner Plates		30.99
Roller Diameter		27.940

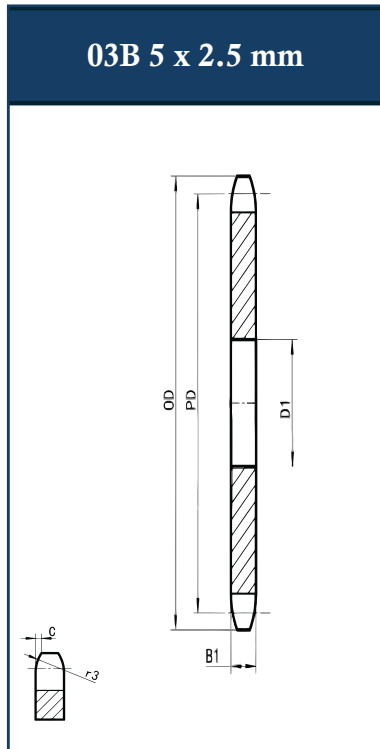
Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	44.45	27.94	8	133.98	116.15	44	29.4	28.8	74	25	70	74	30	120	74	30	180
S1/D2/T3	44.45	27.94	9	148.80	129.96	44	29.4	28.8	88	25	70	88	30	120	88	30	180
S1/D2/T3	44.45	27.94	10	163.47	143.84	44	29.4	28.8	100	25	70	100	30	120	100	30	180
S1/D2/T3	44.45	27.94	11	178.05	157.77	44	29.4	28.8	112	25	70	112	30	120	112	30	180
S1/D2/T3	44.45	27.94	12	192.56	171.74	44	29.4	28.8	125	25	70	125	30	120	125	30	180
S1/D2/T3	44.45	27.94	13	207.01	185.74	44	29.4	28.8	125	25	70	125	30	120	125	30	180
S1/D2/T3	44.45	27.94	14	221.42	199.76	44	29.4	28.8	125	25	70	125	30	120	125	30	180
S1/D2/T3	44.45	27.94	15	235.79	213.79	44	29.4	28.8	125	25	70	145	30	120	145	30	180
S1/D2/T3	44.45	27.94	16	250.14	227.84	44	29.4	28.8	160	30	75	160	30	120	160	30	180
S1/D2/T3	44.45	27.94	17	264.46	241.91	44	29.4	28.8	160	30	75	160	30	120	160	30	180
S1/D2/T3	44.45	27.94	18	278.76	255.98	44	29.4	28.8	160	30	75	160	30	120	160	30	180
S1/D2/T3	44.45	27.94	19	293.04	270.06	44	29.4	28.8	160	30	75	180	30	120	180	30	180
S1/D2/T3	44.45	27.94	20	307.32	284.14	44	29.4	28.8	160	30	75	180	30	120	180	30	180
S1/D2/T3	44.45	27.94	21	321.58	298.24	44	29.4	28.8	160	30	75	180	30	120	180	40	180
S1/D2/T3	44.45	27.94	22	335.83	312.34	44	29.4	28.8	160	30	75	180	30	120	-	-	-
S1/D2/T3	44.45	27.94	23	350.07	326.44	44	29.4	28.8	160	30	75	180	30	120	180	40	180
S1/D2/T3	44.45	27.94	24	364.30	340.54	44	29.4	28.8	160	30	75	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	25	378.53	354.65	44	29.4	28.8	160	30	75	180	30	120	180	40	180
S1/D2/T3	44.45	27.94	26	392.75	368.77	44	29.4	28.8	160	30	75	180	40	120	-	-	-
S1/D2/T3	44.45	27.94	27	406.96	382.88	44	29.4	28.8	160	30	75	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	28	421.17	397.00	44	29.4	28.8	160	30	75	180	40	120	180*	40*	180*
S1/D2/T3	44.45	27.94	29	435.38	411.12	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	30	449.58	425.24	44	29.4	28.8	160	30	75	180	40	120	180	40	180
S1/D2/T3	44.45	27.94	31	463.78	439.37	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	32	477.98	453.49	44	29.4	28.8	180	30	75	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	33	492.17	467.62	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	34	506.36	481.75	44	29.4	28.8	180	30	75	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	35	520.55	495.88	44	29.4	28.8	180	30	75	200	40	120	-	-	-
S1/D2/T3	44.45	27.94	36	534.74	510.01	44	29.4	28.8	180	30	75	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	37	548.92	524.14	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	38	563.10	538.27	44	29.4	28.8	180	30	75	200	40	120	200	40	180
S1/D2/T3	44.45	27.94	39	577.28	552.40	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	44.45	27.94	40	591.46	566.54	44	29.4	28.8	180	30	75	200	40	120	200	40	180
S1/D2/T3	44.45	27.94	45	662.33	637.22	44	29.4	28.8	180	30	75	200	40	150	200	40	209
S1/D2/T3	44.45	27.94	50	733.18	707.91	44	29.4	28.8	180	30	75	200	40	150	200	40	209
S1/D2/T3	44.45	27.94	57	832.34	806.89	44	29.4	28.8	180	40	90	200	40	150	200	40	209
S1/D2/T3	44.45	27.94	76	1101.37	1075.62	44	29.4	28.8	180	40	90	200	40	150	238	40	217

BS Pilot Bore Sprockets - 32B 2" x 1.1/4"



SPROCKET		mm
Tooth Radius r3		51.0
Chamfer c		6.0
Tooth Width b1		28.8
Tooth Width B1		29.4
Tooth Width B2		87.4
Tooth Width B3		146.0
CHAIN		mm
Pitch		50.800
Width Between Inner Plates		30.99
Roller Diameter		29.210

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A	dm	D	A
S1/D2/T3	50.8	29.21	8	153.12	132.75	51	29.4	28.8	85	30	80	85	30	120	85	30	180
S1/D2/T3	50.8	29.21	9	170.05	148.53	44	29.4	28.8	100	30	80	100	30	120	100	30	180
S1/D2/T3	50.8	29.21	10	186.83	164.39	44	29.4	28.8	115	30	80	115	30	120	115	30	180
S1/D2/T3	50.8	29.21	11	203.49	180.31	44	29.4	28.8	125	30	80	125	35	120	125	35	180
S1/D2/T3	50.8	29.21	12	220.07	196.28	44	29.4	28.8	133	30	80	133	35	120	133	35	180
S1/D2/T3	50.8	29.21	13	236.58	212.27	44	29.4	28.8	145	30	80	145	35	120	145	35	180
S1/D2/T3	50.8	29.21	14	253.05	228.29	44	29.4	28.8	145	30	80	145	35	120	145	35	180
S1/D2/T3	50.8	29.21	15	269.48	244.33	44	29.4	28.8	145	30	80	160	35	120	160	35	180
S1/D2/T3	50.8	29.21	16	285.87	260.39	44	29.4	28.8	160	30	90	160	40	120	160	40	180
S1/D2/T3	50.8	29.21	17	302.24	276.46	44	29.4	28.8	160	30	90	180	40	120	200	40	180
S1/D2/T3	50.8	29.21	18	318.58	292.55	44	29.4	28.8	160	30	90	180	40	120	200	40	180
S1/D2/T3	50.8	29.21	19	334.91	308.64	44	29.4	28.8	160	30	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	20	351.22	324.74	44	29.4	28.8	180	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	21	367.52	340.84	44	29.4	28.8	180	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	22	383.80	356.96	44	29.4	28.8	180	40	90	200	40	120	-	-	-
S1/D2/T3	50.8	29.21	23	400.08	373.07	44	29.4	28.8	180	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	24	416.34	389.19	44	29.4	28.8	180	40	90	200	40	120	-	-	-
S1/D2/T3	50.8	29.21	25	432.60	405.32	44	29.4	28.8	180	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	26	448.86	421.45	44	29.4	28.8	180	40	90	200	40	120	-	-	-
S1/D2/T3	50.8	29.21	27	465.10	437.58	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	28	481.34	453.72	44	29.4	28.8	180	40	90	200	40	120	-	-	-
S1/D2/T3	50.8	29.21	29	497.58	469.85	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	30	513.81	485.99	44	29.4	28.8	180	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	31	530.04	502.13	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	32	546.26	518.28	44	29.4	28.8	200	40	90	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	33	562.48	534.42	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	34	578.70	550.57	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	35	594.91	566.72	44	29.4	28.8	200	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	36	611.13	582.86	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	37	627.34	599.01	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	38	643.54	615.17	44	29.4	28.8	200	40	90	200	40	120	200	40	180
S1/D2/T3	50.8	29.21	39	659.75	631.32	44	29.4	28.8	-	-	-	-	-	-	-	-	-
S1/D2/T3	50.8	29.21	40	675.96	647.47	44	29.4	28.8	200	40	90	200	40	120	-	-	-
S1/D2/T3	50.8	29.21	45	756.95	728.25	44	29.4	28.8	218	40	123	218	40	123	220	40	207
S1/D2/T3	50.8	29.21	50	837.92	809.04	44	29.4	28.8	218	40	123	218	40	123	220	40	207
S1/D2/T3	50.8	29.21	57	951.24	922.16	44	29.4	28.8	218	40	123	218	40	123	220	40	207
S1/D2/T3	50.8	29.21	76	1258.71	1229.28	44	29.4	28.8	218	40	123	218	40	123	238	40	216

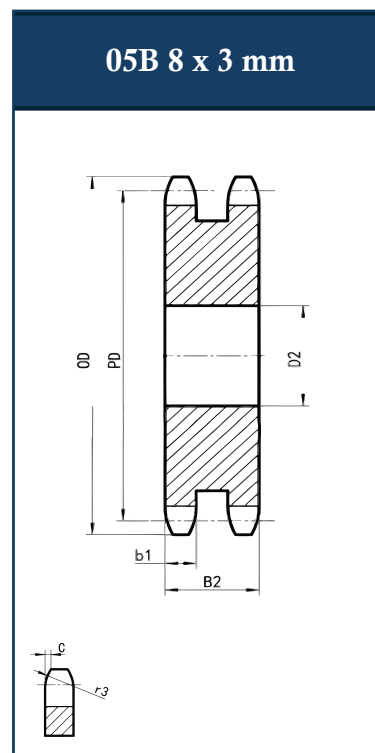
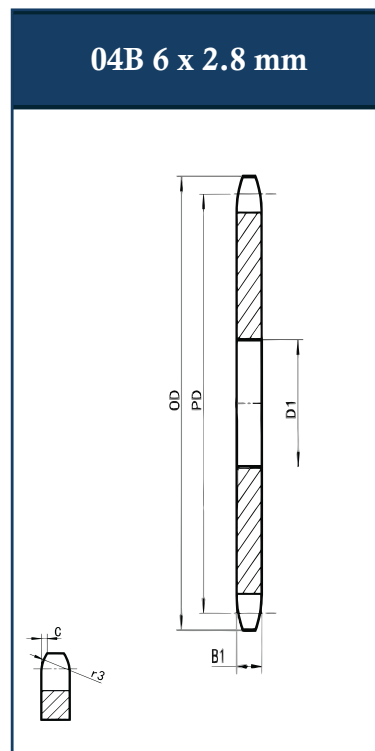


Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
P1	5	3.2	8	15.07	13.07	5	2.3	2.3	-	4	2.3
P1	5	3.2	9	16.74	14.62	5	2.3	2.3	-	4	2.3
P1	5	3.2	10	18.39	16.18	5	2.3	2.3	-	4	2.3
P1	5	3.2	11	20.03	17.75	5	2.3	2.3	-	5	2.3
P1	5	3.2	12	21.66	19.32	5	2.3	2.3	-	5	2.3
P1	5	3.2	13	23.29	20.89	5	2.3	2.3	-	5	2.3
P1	5	3.2	14	24.91	22.47	5	2.3	2.3	-	5	2.3
P1	5	3.2	15	26.52	24.05	5	2.3	2.3	-	5	2.3
P1	5	3.2	16	28.14	25.63	5	2.3	2.3	-	6	2.3
P1	5	3.2	17	29.75	27.21	5	2.3	2.3	-	6	2.3
P1	5	3.2	18	31.36	28.79	5	2.3	2.3	-	6	2.3
P1	5	3.2	19	32.96	30.38	5	2.3	2.3	-	6	2.3
P1	5	3.2	20	34.57	31.96	5	2.3	2.3	-	6	2.3
P1	5	3.2	21	36.17	33.55	5	2.3	2.3	-	8	2.3
P1	5	3.2	22	37.78	35.13	5	2.3	2.3	-	8	2.3
P1	5	3.2	23	39.38	36.72	5	2.3	2.3	-	8	2.3
P1	5	3.2	24	40.98	38.31	5	2.3	2.3	-	8	2.3
P1	5	3.2	25	42.58	39.89	5	2.3	2.3	-	8	2.3
P1	5	3.2	26	44.18	41.48	5	2.3	2.3	-	8	2.3
P1	5	3.2	27	45.78	43.07	5	2.3	2.3	-	8	2.3
P1	5	3.2	28	47.38	44.66	5	2.3	2.3	-	-	2.3
P1	5	3.2	29	48.97	46.25	5	2.3	2.3	-	8	2.3
P1	5	3.2	30	50.57	47.83	5	2.3	2.3	-	-	2.3
P1	5	3.2	31	52.17	49.42	5	2.3	2.3	-	8	2.3
P1	5	3.2	32	53.77	51.01	5	2.3	2.3	-	8	2.3
P1	5	3.2	33	55.36	52.60	5	2.3	2.3	-	8	2.3
P1	5	3.2	34	56.96	54.19	5	2.3	2.3	-	8	2.3
P1	5	3.2	35	58.55	55.78	5	2.3	2.3	-	8	2.3
P1	5	3.2	36	60.15	57.37	5	2.3	2.3	-	8	2.3
P1	5	3.2	37	61.75	58.96	5	2.3	2.3	-	8	2.3
P1	5	3.2	38	63.34	60.55	5	2.3	2.3	-	8	2.3
P1	5	3.2	39	64.94	62.14	5	2.3	2.3	-	-	2.3
P1	5	3.2	40	66.53	63.73	5	2.3	2.3	-	8	2.3
P1	5	3.2	41	68.13	65.32	5	2.3	2.3	-	-	2.3
P1	5	3.2	42	69.72	66.91	5	2.3	2.3	-	8	2.3
P1	5	3.2	43	71.31	68.50	5	2.3	2.3	-	-	2.3
P1	5	3.2	44	72.91	70.09	5	2.3	2.3	-	8	2.3
P1	5	3.2	45	74.50	71.68	5	2.3	2.3	-	8	2.3
P1	5	3.2	46	76.10	73.27	5	2.3	2.3	-	8	2.3
P1	5	3.2	47	77.69	74.86	5	2.3	2.3	-	-	2.3
P1	5	3.2	48	79.29	76.45	5	2.3	2.3	-	8	2.3
P1	5	3.2	49	80.88	78.04	5	2.3	2.3	-	-	2.3
P1	5	3.2	50	82.47	79.63	5	2.3	2.3	-	8	2.3
P1	5	3.2	51	84.07	81.22	5	2.3	2.3	-	-	2.3
P1	5	3.2	52	85.66	82.81	5	2.3	2.3	-	10	2.3
P1	5	3.2	53	87.25	84.40	5	2.3	2.3	-	-	2.3
P1	5	3.2	54	88.85	85.99	5	2.3	2.3	-	10	2.3
P1	5	3.2	55	90.44	87.58	5	2.3	2.3	-	10	2.3
P1	5	3.2	56	92.03	89.17	5	2.3	2.3	-	10	2.3
P1	5	3.2	57	93.63	90.76	5	2.3	2.3	-	10	2.3
P1	5	3.2	58	95.22	92.36	5	2.3	2.3	-	10	2.3
P1	5	3.2	59	96.81	93.95	5	2.3	2.3	-	-	2.3
P1	5	3.2	60	98.41	95.54	5	2.3	2.3	-	10	2.3
P1	5	3.2	62	101.59	98.72	5	2.3	2.3	-	12	2.3
P1	5	3.2	64	104.78	101.90	5	2.3	2.3	-	-	2.3
P1	5	3.2	65	106.37	103.49	5	2.3	2.3	-	12	2.3
P1	5	3.2	66	107.96	105.08	5	2.3	2.3	-	12	2.3
P1	5	3.2	68	111.15	108.26	5	2.3	2.3	-	-	2.3
P1	5	3.2	70	114.33	111.45	5	2.3	2.3	-	12	2.3
P1	5	3.2	72	117.52	114.63	5	2.3	2.3	-	-	2.3
P1	5	3.2	75	122.30	119.40	5	2.3	2.3	-	12	2.3
P1	5	3.2	76	123.89	120.99	5	2.3	2.3	-	12	2.3
P1	5	3.2	78	127.07	124.17	5	2.3	2.3	-	-	2.3
P1	5	3.2	80	130.26	127.36	5	2.3	2.3	-	12	2.3
P1	5	3.2	85	138.22	135.31	5	2.3	2.3	-	14	2.3
P1	5	3.2	90	146.18	143.27	5	2.3	2.3	-	14	2.3
P1	5	3.2	95	154.14	151.22	5	2.3	2.3	-	14	2.3
P1	5	3.2	100	162.10	159.18	5	2.3	2.3	-	14	2.3
P1	5	3.2	110	178.02	175.09	5	2.3	2.3	-	14	2.3
P1	5	3.2	114	184.39	181.46	5	2.3	2.3	-	14	2.3
P1	5	3.2	120	193.94	191.01	5	2.3	2.3	-	14	2.3
P1	5	3.2	125	201.90	198.96	5	2.3	2.3	-	14	2.3

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
P1	6	4	8	18.09	15.68	6	2.6	2.6	-	5	2.6
P1	6	4	9	20.08	17.54	6	2.6	2.6	-	5	2.6
P1	6	4	10	22.07	19.42	6	2.6	2.6	-	6	2.6
P1	6	4	11	24.03	21.30	6	2.6	2.6	-	6	2.6
P1	6	4	12	25.99	23.18	6	2.6	2.6	-	6	2.6
P1	6	4	13	27.94	25.07	6	2.6	2.6	-	8	2.6
P1	6	4	14	29.89	26.96	6	2.6	2.6	-	8	2.6
P1	6	4	15	31.83	28.86	6	2.6	2.6	-	8	2.6
P1	6	4	16	33.76	30.75	6	2.6	2.6	-	8	2.6
P1	6	4	17	35.70	32.65	6	2.6	2.6	-	8	2.6
P1	6	4	18	37.63	34.55	6	2.6	2.6	-	8	2.6
P1	6	4	19	39.56	36.45	6	2.6	2.6	-	8	2.6
P1	6	4	20	41.48	38.35	6	2.6	2.6	-	8	2.6
P1	6	4	21	43.41	40.26	6	2.6	2.6	-	8	2.6
P1	6	4	22	45.33	42.16	6	2.6	2.6	-	8	2.6
P1	6	4	23	47.25	44.06	6	2.6	2.6	-	8	2.6
P1	6	4	24	49.17	45.97	6	2.6	2.6	-	8	2.6
P1	6	4	25	51.09	47.87	6	2.6	2.6	-	8	2.6
P1	6	4	26	53.01	49.78	6	2.6	2.6	-	8	2.6
P1	6	4	27	54.93	51.68	6	2.6	2.6	-	8	2.6
P1	6	4	28	56.85	53.59	6	2.6	2.6	-	8	2.6
P1	6	4	29	58.77	55.49	6	2.6	2.6	-	-	2.6
P1	6	4	30	60.69	57.40	6	2.6	2.6	-	8	2.6
P1	6	4	31	62.60	59.31	6	2.6	2.6	-	-	2.6
P1	6	4	32	64.52	61.21	6	2.6	2.6	-	10	2.6
P1	6	4	33	66.43	63.12	6	2.6	2.6	-	10	2.6
P1	6	4	34	68.35	65.03	6	2.6	2.6	-	10	2.6
P1	6	4	35	70.27	66.93	6	2.6	2.6	-	10	2.6
P1	6	4	36	72.18	68.84	6	2.6	2.6	-	10	2.6
P1	6	4	37	74.09	70.75	6	2.6	2.6	-	10	2.6
P1	6	4	38	76.01	72.66	6	2.6	2.6	-	10	2.6
P1	6	4	39	77.92	74.57	6	2.6	2.6	-	10	2.6
P1	6	4	40	79.84	76.47	6	2.6	2.6	-	10	2.6
P1	6	4	41	81.75	78.38	6	2.6	2.6	-	-	2.6
P1	6	4	42	83.66	80.29	6	2.6	2.6	-	12	2.6
P1	6	4	43	85.58	82.20	6	2.6	2.6	-	-	2.6
P1	6	4	44	87.49	84.11	6	2.6	2.6	-	-	2.6
P1	6	4	45	89.40	86.01	6	2.6	2.6	-	12	2.6
P1	6	4	46	91.32	87.92	6	2.6	2.6	-	12	2.6
P1	6	4	47	93.23	89.83	6	2.6	2.6	-	-	2.6
P1	6	4	48	95.14	91.74	6	2.6	2.6	-	12	2.6
P1	6	4	49	97.05	93.65	6	2.6	2.6	-	-	2.6
P1	6	4	50	98.97	95.56	6	2.6	2.6	-	12	2.6
P1	6	4	51	100.88	97.46	6	2.6	2.6	-	-	2.6
P1	6	4	52	102.79	99.37	6	2.6	2.6	-	12	2.6
P1	6	4	53	104.70	101.28	6	2.6	2.6	-	-	2.6
P1	6	4	54	106.62	103.19	6	2.6	2.6	-	12	2.6
P1	6	4	55	108.53	105.10	6	2.6	2.6	-	12	2.6
P1	6	4	56	110.44	107.01	6	2.6	2.6	-	12	2.6
P1	6	4	57	112.35	108.92	6	2.6	2.6	-	12	2.6
P1	6	4	58	114.26	110.83	6	2.6	2.6	-	12	2.6
P1	6	4	59	116.18	112.73	6	2.6	2.6	-	-	2.6
P1	6	4	60	118.09	114.64	6	2.6	2.6	-	12	2.6
P1	6	4	62	121.91	118.46	6	2.6	2.6	-	16	2.6
P1	6	4	64	125.73	122.28	6	2.6	2.6	-	16	2.6
P1	6	4	65	127.64	124.19	6	2.6	2.6	-	16	2.6
P1	6	4	66	129.56	126.10	6	2.6	2.6	-	16	2.6
P1	6	4	68	133.38	129.92	6	2.6	2.6	-	-	2.6
P1	6	4	70	137.20	133.74	6	2.6	2.6	-	16	2.6
P1	6	4	72	141.02	137.55	6	2.6	2.6	-	-	2.6
P1	6	4	75	146.76	143.28	6	2.6	2.6	-	-	2.6
P1	6	4	76	148.67	145.19	6	2.6	2.6	-	16	2.6
P1	6	4	78	152.49	149.01	6	2.6	2.6	-	-	2.6
P1	6	4	80	156.31	152.83	6	2.6	2.6	-	16	2.6
P1	6	4	85	165.86	162.38	6	2.6	2.6	-	16	2.6
P1	6	4	90	175.42	171.92	6	2.6	2.6	-	16	2.6
P1	6	4	95	184.97	181.47	6	2.6	2.6	-	16	2.6
P1	6	4	100	194.52	191.02	6	2.6	2.6	-	16	2.6
P1	6	4	110	213.63	210.11	6	2.6	2.6	-	-	2.6
P1	6	4	114	221.27	217.75	6	2.6	2.6	-	-	2.6
P1	6	4	120	232.73	229.21	6	2.6	2.6	-	16	2.6
P1	6	4	125	242.28	238.76	6	2.6	2.6	-	16	2.6

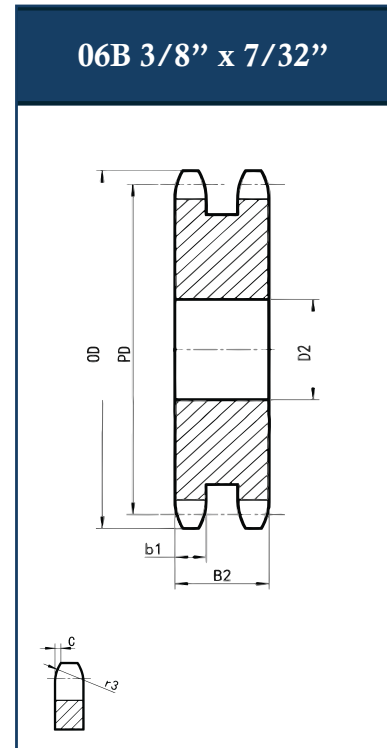
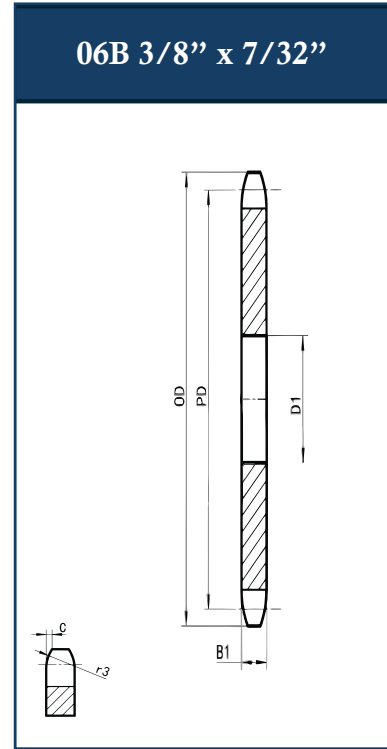


Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A	dm	D	A
P1/P2	8	5	8	24.11	20.91	8	2.8	2.7	-	6	2.8	-	8	8.3
P1/P2	8	5	9	26.78	23.39	8	2.8	2.7	-	6	2.8	-	8	8.3
P1/P2	8	5	10	29.42	25.89	8	2.8	2.7	-	8	2.8	-	8	8.3
P1/P2	8	5	11	32.05	28.40	8	2.8	2.7	-	8	2.8	-	8	8.3
P1/P2	8	5	12	34.66	30.91	8	2.8	2.7	-	8	2.8	-	8	8.3
P1/P2	8	5	13	37.26	33.43	8	2.8	2.7	-	8	2.8	-	8	8.3
P1/P2	8	5	14	39.85	35.95	8	2.8	2.7	-	8	2.8	-	8	8.3
P1/P2	8	5	15	42.44	38.48	8	2.8	2.7	-	8	2.8	-	8	8.3
P1/P2	8	5	16	45.02	41.01	8	2.8	2.7	-	8	2.8	-	10	8.3
P1/P2	8	5	17	47.60	43.54	8	2.8	2.7	-	8	2.8	-	10	8.3
P1/P2	8	5	18	50.17	46.07	8	2.8	2.7	-	8	2.8	-	10	8.3
P1/P2	8	5	19	52.74	48.60	8	2.8	2.7	-	8	2.8	-	-	8.3
P1/P2	8	5	20	55.31	51.14	8	2.8	2.7	-	8	2.8	-	-	8.3
P1/P2	8	5	21	57.88	53.68	8	2.8	2.7	-	10	2.8	-	10	8.3
P1/P2	8	5	22	60.44	56.21	8	2.8	2.7	-	10	2.8	-	10	8.3
P1/P2	8	5	23	63.00	58.75	8	2.8	2.7	-	10	2.8	-	10	8.3
P1/P2	8	5	24	65.57	61.29	8	2.8	2.7	-	10	2.8	-	10	8.3
P1/P2	8	5	25	68.13	63.83	8	2.8	2.7	-	10	2.8	-	10	8.3
P1/P2	8	5	26	70.69	66.37	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	27	73.24	68.91	8	2.8	2.7	-	10	2.8	-	-	8.3
P1/P2	8	5	28	75.80	71.45	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	29	78.36	73.99	8	2.8	2.7	-	10	2.8	-	-	8.3
P1/P2	8	5	30	80.91	76.53	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	31	83.47	79.08	8	2.8	2.7	-	10	2.8	-	-	8.3
P1/P2	8	5	32	86.03	81.62	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	33	88.58	84.16	8	2.8	2.7	-	10	2.8	-	-	8.3
P1/P2	8	5	34	91.13	86.70	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	35	93.69	89.25	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	36	96.24	91.79	8	2.8	2.7	-	10	2.8	-	12	8.3
P1/P2	8	5	37	98.79	94.33	8	2.8	2.7	-	12	2.8	-	-	8.3
P1/P2	8	5	38	101.35	96.88	8	2.8	2.7	-	12	2.8	-	12	8.3
P1/P2	8	5	39	103.90	99.42	8	2.8	2.7	-	12	2.8	-	-	8.3
P1/P2	8	5	40	106.45	101.96	8	2.8	2.7	-	12	2.8	-	12	8.3
P1/P2	8	5	41	109.00	104.51	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	42	111.55	107.05	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	43	114.10	109.60	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	44	116.65	112.14	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	45	119.21	114.68	8	2.8	2.7	-	12	2.8	-	-	8.3
P1/P2	8	5	46	121.76	117.23	8	2.8	2.7	-	12	2.8	-	16	8.3
P1/P2	8	5	47	124.31	119.77	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	48	126.86	122.32	8	2.8	2.7	-	12	2.8	-	16	8.3
P1/P2	8	5	49	129.41	124.86	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	50	131.96	127.41	8	2.8	2.7	-	12	2.8	-	16	8.3
P1/P2	8	5	51	134.51	129.95	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	52	137.06	132.50	8	2.8	2.7	-	16	2.8	-	16	8.3
P1/P2	8	5	53	139.61	135.04	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	54	142.15	137.59	8	2.8	2.7	-	16	2.8	-	-	8.3
P1/P2	8	5	55	144.70	140.13	8	2.8	2.7	-	16	2.8	-	-	8.3
P1/P2	8	5	56	147.25	142.68	8	2.8	2.7	-	-	2.8	-	16	8.3
P1/P2	8	5	57	149.80	145.22	8	2.8	2.7	-	16	2.8	-	16	8.3
P1/P2	8	5	58	152.35	147.77	8	2.8	2.7	-	16	2.8	-	-	8.3
P1/P2	8	5	59	154.90	150.31	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	60	157.45	152.86	8	2.8	2.7	-	16	2.8	-	16	8.3
P1/P2	8	5	62	162.55	157.95	8	2.8	2.7	-	16	2.8	-	-	8.3
P1/P2	8	5	64	167.64	163.04	8	2.8	2.7	-	16	2.8	-	-	8.3
P1/P2	8	5	65	170.19	165.59	8	2.8	2.7	-	16	2.8	-	20	8.3
P1/P2	8	5	66	172.74	168.13	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	68	177.84	173.22	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	70	182.93	178.31	8	2.8	2.7	-	16	2.8	-	-	8.3
P1/P2	8	5	72	188.03	183.40	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	75	195.67	191.04	8	2.8	2.7	-	20	2.8	-	-	8.3
P1/P2	8	5	76	198.22	193.59	8	2.8	2.7	-	20	2.8	-	20	8.3
P1/P2	8	5	78	203.32	198.68	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	80	208.41	203.77	8	2.8	2.7	-	20	2.8	-	20	8.3
P1/P2	8	5	85	221.15	216.50	8	2.8	2.7	-	20	2.8	-	-	8.3
P1/P2	8	5	90	233.89	229.23	8	2.8	2.7	-	20	2.8	-	-	8.3
P1/P2	8	5	95	246.63	241.96	8	2.8	2.7	-	20	2.8	-	-	8.3
P1/P2	8	5	100	259.36	254.69	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	110	284.84	280.15	8	2.8	2.7	-	-	2.8	-	-	8.3
P1/P2	8	5	114	295.03	290.34	8	2.8	2.7	-	20	2.8	-	20	8.3
P1/P2	8	5	120	310.31	305.61	8	2.8	2.7	-	20	2.8	-	-	8.3
P1/P2	8	5	125	323.04	318.34	8	2.8	2.7	-	20	2.8	-	-	8.3

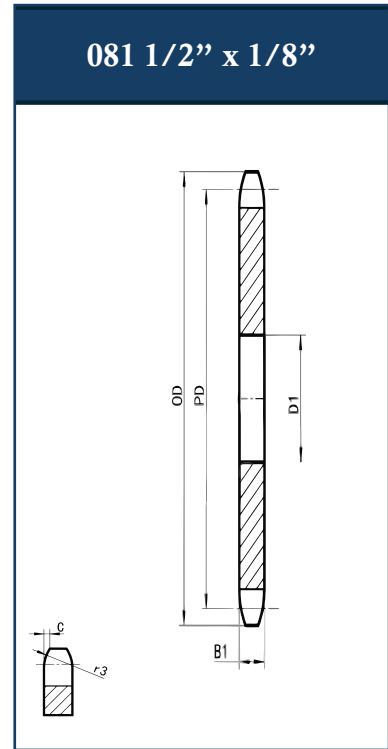
All dimensions in millimeters unless otherwise stated.

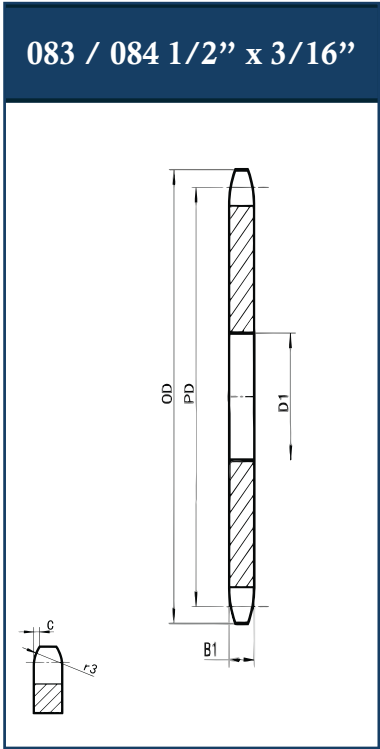
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

Type	p	Dr	Z	OD	PD	r3	B	b1
P1/P2/P3	9.525	6.35	8	28.71	24.89	10	5.3	5.2
P1/P2/P3	9.525	6.35	9	31.88	27.85	10	5.3	5.2
P1/P2/P3	9.525	6.35	10	35.03	30.82	10	5.3	5.2
P1/P2/P3	9.525	6.35	11	38.15	33.81	10	5.3	5.2
P1/P2/P3	9.525	6.35	12	41.26	36.80	10	5.3	5.2
P1/P2/P3	9.525	6.35	13	44.36	39.80	10	5.3	5.2
P1/P2/P3	9.525	6.35	14	47.45	42.80	10	5.3	5.2
P1/P2/P3	9.525	6.35	15	50.53	45.81	10	5.3	5.2
P1/P2/P3	9.525	6.35	16	53.60	48.82	10	5.3	5.2
P1/P2/P3	9.525	6.35	17	56.67	51.84	10	5.3	5.2
P1/P2/P3	9.525	6.35	18	59.73	54.85	10	5.3	5.2
P1/P2/P3	9.525	6.35	19	62.80	57.87	10	5.3	5.2
P1/P2/P3	9.525	6.35	20	65.85	60.89	10	5.3	5.2
P1/P2/P3	9.525	6.35	21	68.91	63.91	10	5.3	5.2
P1/P2/P3	9.525	6.35	22	71.96	66.93	10	5.3	5.2
P1/P2/P3	9.525	6.35	23	75.01	69.95	10	5.3	5.2
P1/P2/P3	9.525	6.35	24	78.06	72.97	10	5.3	5.2
P1/P2/P3	9.525	6.35	25	81.11	76.00	10	5.3	5.2
P1/P2/P3	9.525	6.35	26	84.16	79.02	10	5.3	5.2
P1/P2/P3	9.525	6.35	27	87.21	82.05	10	5.3	5.2
P1/P2/P3	9.525	6.35	28	90.25	85.07	10	5.3	5.2
P1/P2/P3	9.525	6.35	29	93.30	88.10	10	5.3	5.2
P1/P2/P3	9.525	6.35	30	96.34	91.12	10	5.3	5.2
P1/P2/P3	9.525	6.35	31	99.38	94.15	10	5.3	5.2
P1/P2/P3	9.525	6.35	32	102.42	97.18	10	5.3	5.2
P1/P2/P3	9.525	6.35	33	105.47	100.20	10	5.3	5.2
P1/P2/P3	9.525	6.35	34	108.51	103.23	10	5.3	5.2
P1/P2/P3	9.525	6.35	35	111.55	106.26	10	5.3	5.2
P1/P2/P3	9.525	6.35	36	114.59	109.29	10	5.3	5.2
P1/P2/P3	9.525	6.35	37	117.63	112.32	10	5.3	5.2
P1/P2/P3	9.525	6.35	38	120.66	115.34	10	5.3	5.2
P1/P2/P3	9.525	6.35	39	123.70	118.37	10	5.3	5.2
P1/P2/P3	9.525	6.35	40	126.74	121.40	10	5.3	5.2
P1/P2/P3	9.525	6.35	41	129.78	124.43	10	5.3	5.2
P1/P2/P3	9.525	6.35	42	132.82	127.46	10	5.3	5.2
P1/P2/P3	9.525	6.35	43	135.85	130.49	10	5.3	5.2
P1/P2/P3	9.525	6.35	44	138.89	133.52	10	5.3	5.2
P1/P2/P3	9.525	6.35	45	141.93	136.55	10	5.3	5.2
P1/P2/P3	9.525	6.35	46	144.97	139.58	10	5.3	5.2
P1/P2/P3	9.525	6.35	47	148.00	142.61	10	5.3	5.2
P1/P2/P3	9.525	6.35	48	151.04	145.64	10	5.3	5.2
P1/P2/P3	9.525	6.35	49	154.07	148.67	10	5.3	5.2
P1/P2/P3	9.525	6.35	50	157.11	151.69	10	5.3	5.2
P1/P2/P3	9.525	6.35	51	160.15	154.72	10	5.3	5.2
P1/P2/P3	9.525	6.35	52	163.18	157.75	10	5.3	5.2
P1/P2/P3	9.525	6.35	53	166.22	160.78	10	5.3	5.2
P1/P2/P3	9.525	6.35	54	169.25	163.82	10	5.3	5.2
P1/P2/P3	9.525	6.35	55	172.29	166.85	10	5.3	5.2
P1/P2/P3	9.525	6.35	56	175.32	169.88	10	5.3	5.2
P1/P2/P3	9.525	6.35	57	178.36	172.91	10	5.3	5.2
P1/P2/P3	9.525	6.35	58	181.39	175.94	10	5.3	5.2
P1/P2/P3	9.525	6.35	59	184.43	178.97	10	5.3	5.2
P1/P2/P3	9.525	6.35	60	187.46	182.00	10	5.3	5.2
P1/P2/P3	9.525	6.35	62	193.53	188.06	10	5.3	5.2
P1/P2/P3	9.525	6.35	64	199.60	194.12	10	5.3	5.2
P1/P2/P3	9.525	6.35	65	202.64	197.15	10	5.3	5.2
P1/P2/P3	9.525	6.35	66	205.67	200.18	10	5.3	5.2
P1/P2/P3	9.525	6.35	68	211.74	206.24	10	5.3	5.2
P1/P2/P3	9.525	6.35	70	217.81	212.30	10	5.3	5.2
P1/P2/P3	9.525	6.35	72	223.87	218.37	10	5.3	5.2
P1/P2/P3	9.525	6.35	75	232.97	227.46	10	5.3	5.2
P1/P2/P3	9.525	6.35	76	236.01	230.49	10	5.3	5.2
P1/P2/P3	9.525	6.35	78	242.08	236.55	10	5.3	5.2
P1/P2/P3	9.525	6.35	80	248.14	242.61	10	5.3	5.2
P1/P2/P3	9.525	6.35	85	263.31	257.77	10	5.3	5.2
P1/P2/P3	9.525	6.35	90	278.48	272.93	10	5.3	5.2
P1/P2/P3	9.525	6.35	95	293.64	288.08	10	5.3	5.2
P1/P2/P3	9.525	6.35	100	308.81	303.24	10	5.3	5.2
P1/P2/P3	9.525	6.35	110	339.13	333.55	10	5.3	5.2
P1/P2/P3	9.525	6.35	114	351.26	345.68	10	5.3	5.2
P1/P2/P3	9.525	6.35	120	369.46	363.87	10	5.3	5.2
P1/P2/P3	9.525	6.35	125	384.62	379.03	10	5.3	5.2



Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
P1	12.7	7.75	8	38.28	33.19	13	3	3	-	8	3
P1	12.7	7.75	9	42.51	37.13	13	3	3	-	8	3
P1	12.7	7.75	10	46.71	41.10	13	3	3	-	8	3
P1	12.7	7.75	11	50.87	45.08	13	3	3	-	8	3
P1	12.7	7.75	12	55.02	49.07	13	3	3	-	8	3
P1	12.7	7.75	13	59.15	53.07	13	3	3	-	8	3
P1	12.7	7.75	14	63.26	57.07	13	3	3	-	8	3
P1	12.7	7.75	15	67.37	61.08	13	3	3	-	8	3
P1	12.7	7.75	16	71.47	65.10	13	3	3	-	8	3
P1	12.7	7.75	17	75.56	69.12	13	3	3	-	8	3
P1	12.7	7.75	18	79.65	73.14	13	3	3	-	8	3
P1	12.7	7.75	19	83.73	77.16	13	3	3	-	8	3
P1	12.7	7.75	20	87.80	81.18	13	3	3	-	8	3
P1	12.7	7.75	21	91.88	85.21	13	3	3	-	8	3
P1	12.7	7.75	22	95.95	89.24	13	3	3	-	10	3
P1	12.7	7.75	23	100.02	93.27	13	3	3	-	10	3
P1	12.7	7.75	24	104.09	97.30	13	3	3	-	12	3
P1	12.7	7.75	25	108.15	101.33	13	3	3	-	12	3
P1	12.7	7.75	26	112.21	105.36	13	3	3	-	12	3
P1	12.7	7.75	27	116.28	109.40	13	3	3	-	12	3
P1	12.7	7.75	28	120.34	113.43	13	3	3	-	12	3
P1	12.7	7.75	29	124.39	117.46	13	3	3	-	-	3
P1	12.7	7.75	30	128.45	121.50	13	3	3	-	12	3
P1	12.7	7.75	31	132.51	125.53	13	3	3	-	-	3
P1	12.7	7.75	32	136.57	129.57	13	3	3	-	12	3
P1	12.7	7.75	33	140.62	133.61	13	3	3	-	12	3
P1	12.7	7.75	34	144.67	137.64	13	3	3	-	12	3
P1	12.7	7.75	35	148.73	141.68	13	3	3	-	12	3
P1	12.7	7.75	36	152.78	145.72	13	3	3	-	16	3
P1	12.7	7.75	37	156.83	149.75	13	3	3	-	16	3
P1	12.7	7.75	38	160.89	153.79	13	3	3	-	16	3
P1	12.7	7.75	39	164.94	157.83	13	3	3	-	16	3
P1	12.7	7.75	40	168.99	161.87	13	3	3	-	16	3
P1	12.7	7.75	41	173.04	165.91	13	3	3	-	-	3
P1	12.7	7.75	42	177.09	169.94	13	3	3	-	-	3
P1	12.7	7.75	43	181.14	173.98	13	3	3	-	-	3
P1	12.7	7.75	44	185.19	178.02	13	3	3	-	16	3
P1	12.7	7.75	45	189.24	182.06	13	3	3	-	16	3
P1	12.7	7.75	46	193.29	186.10	13	3	3	-	-	3
P1	12.7	7.75	47	197.34	190.14	13	3	3	-	-	3
P1	12.7	7.75	48	201.38	194.18	13	3	3	-	20	3
P1	12.7	7.75	49	205.43	198.22	13	3	3	-	-	3
P1	12.7	7.75	50	209.48	202.26	13	3	3	-	-	3
P1	12.7	7.75	51	213.53	206.30	13	3	3	-	-	3
P1	12.7	7.75	52	217.58	210.34	13	3	3	-	-	3
P1	12.7	7.75	53	221.62	214.38	13	3	3	-	-	3
P1	12.7	7.75	54	225.67	218.42	13	3	3	-	-	3
P1	12.7	7.75	55	229.72	222.46	13	3	3	-	20	3
P1	12.7	7.75	56	233.76	226.50	13	3	3	-	20	3
P1	12.7	7.75	57	237.81	230.54	13	3	3	-	20	3
P1	12.7	7.75	58	241.86	234.58	13	3	3	-	20	3
P1	12.7	7.75	59	245.90	238.62	13	3	3	-	-	3
P1	12.7	7.75	60	249.95	242.66	13	3	3	-	20	3
P1	12.7	7.75	62	258.04	250.74	13	3	3	-	-	3
P1	12.7	7.75	64	266.13	258.83	13	3	3	-	-	3
P1	12.7	7.75	65	270.18	262.87	13	3	3	-	-	3
P1	12.7	7.75	66	274.23	266.91	13	3	3	-	-	3
P1	12.7	7.75	68	282.32	274.99	13	3	3	-	-	3
P1	12.7	7.75	70	290.41	283.07	13	3	3	-	25	3
P1	12.7	7.75	72	298.50	291.15	13	3	3	-	-	3
P1	12.7	7.75	75	310.63	303.28	13	3	3	-	-	3
P1	12.7	7.75	76	314.68	307.32	13	3	3	-	-	3
P1	12.7	7.75	78	322.77	315.40	13	3	3	-	-	3
P1	12.7	7.75	80	330.86	323.49	13	3	3	-	-	3
P1	12.7	7.75	85	351.08	343.69	13	3	3	-	-	3
P1	12.7	7.75	90	371.30	363.90	13	3	3	-	-	3
P1	12.7	7.75	95	391.52	384.11	13	3	3	-	-	3
P1	12.7	7.75	100	411.74	404.32	13	3	3	-	-	3
P1	12.7	7.75	110	452.18	444.74	13	3	3	-	-	3
P1	12.7	7.75	114	468.35	460.91	13	3	3	-	-	3
P1	12.7	7.75	120	492.61	485.16	13	3	3	-	-	3
P1	12.7	7.75	125	512.83	505.37	13	3	3	-	-	3



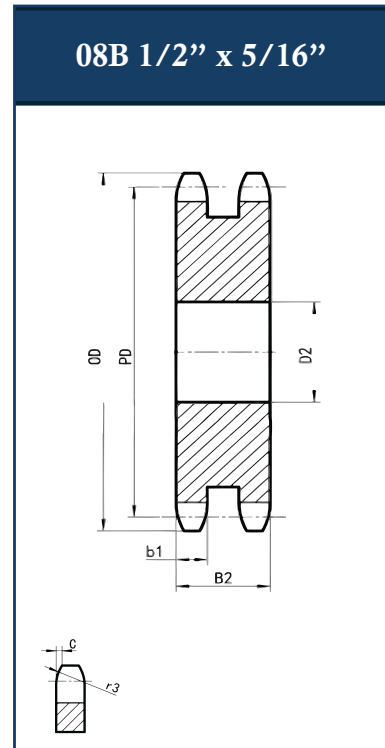
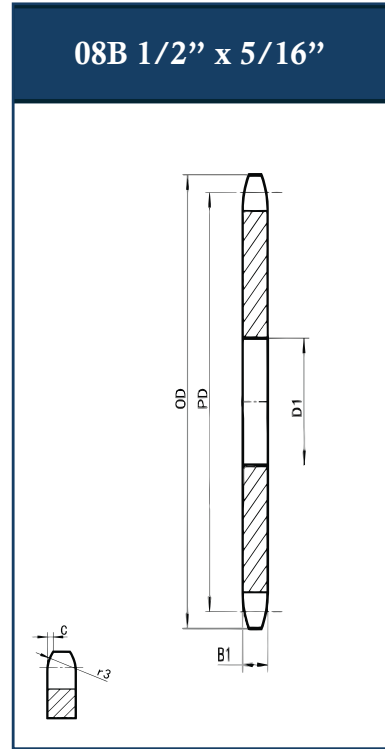


Type	p	Dr	Z	OD	PD	r3	B	b1	dm	D	A
P1	12.7	7.75	8	38.28	33.19	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	9	42.51	37.13	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	10	46.71	41.10	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	11	50.87	45.08	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	12	55.02	49.07	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	13	59.15	53.07	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	14	63.26	57.07	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	15	67.37	61.08	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	16	71.47	65.10	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	17	75.56	69.12	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	18	79.65	73.14	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	19	83.73	77.16	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	20	87.80	81.18	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	21	91.88	85.21	13	4.5	4.5	-	8	4.5
P1	12.7	7.75	22	95.95	89.24	13	4.5	4.5	-	10	4.5
P1	12.7	7.75	23	100.02	93.27	13	4.5	4.5	-	10	4.5
P1	12.7	7.75	24	104.09	97.30	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	25	108.15	101.33	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	26	112.21	105.36	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	27	116.28	109.40	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	28	120.34	113.43	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	29	124.39	117.46	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	30	128.45	121.50	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	31	132.51	125.53	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	32	136.57	129.57	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	33	140.62	133.61	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	34	144.67	137.64	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	35	148.73	141.68	13	4.5	4.5	-	12	4.5
P1	12.7	7.75	36	152.78	145.72	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	37	156.83	149.75	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	38	160.89	153.79	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	39	164.94	157.83	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	40	168.99	161.87	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	41	173.04	165.91	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	42	177.09	169.94	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	43	181.14	173.98	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	44	185.19	178.02	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	45	189.24	182.06	13	4.5	4.5	-	16	4.5
P1	12.7	7.75	46	193.29	186.10	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	47	197.34	190.14	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	48	201.38	194.18	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	49	205.43	198.22	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	50	209.48	202.26	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	51	213.53	206.30	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	52	217.58	210.34	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	53	221.62	214.38	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	54	225.67	218.42	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	55	229.72	222.46	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	56	233.76	226.50	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	57	237.81	230.54	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	58	241.86	234.58	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	59	245.90	238.62	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	60	249.95	242.66	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	62	258.04	250.74	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	64	266.13	258.83	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	65	270.18	262.87	13	4.5	4.5	-	20	4.5
P1	12.7	7.75	66	274.23	266.91	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	68	282.32	274.99	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	70	290.41	283.07	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	72	298.50	291.15	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	75	310.63	303.28	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	76	314.68	307.32	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	78	322.77	315.40	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	80	330.86	323.49	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	85	351.08	343.69	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	90	371.30	363.90	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	95	391.52	384.11	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	100	411.74	404.32	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	110	452.18	444.74	13	4.5	4.5	-	25	4.5
P1	12.7	7.75	114	468.35	460.91	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	120	492.61	485.16	13	4.5	4.5	-	-	4.5
P1	12.7	7.75	125	512.83	505.37	13	4.5	4.5	-	-	4.5

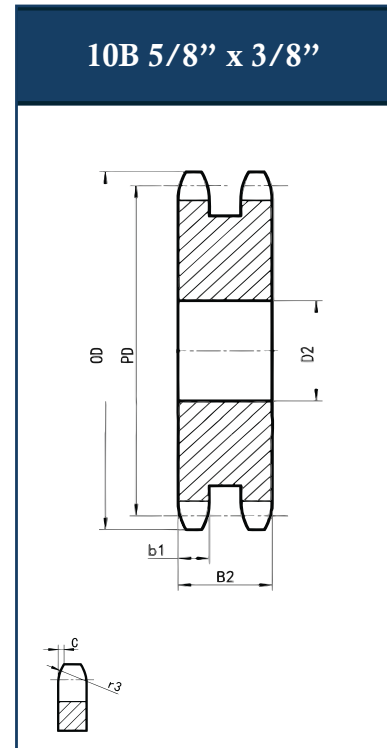
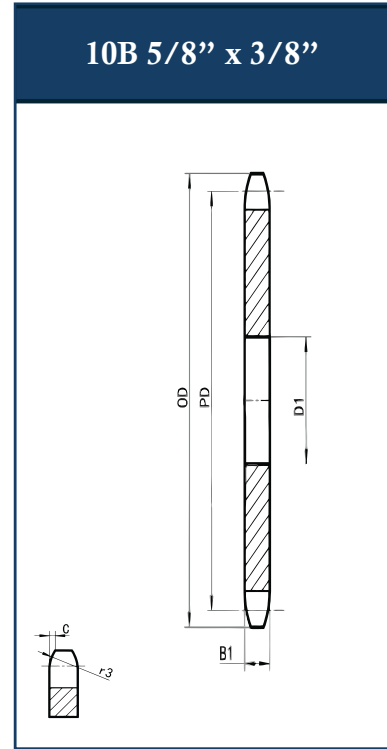
All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

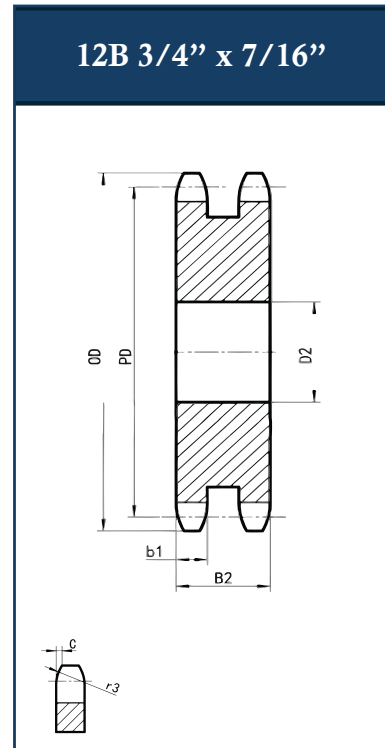
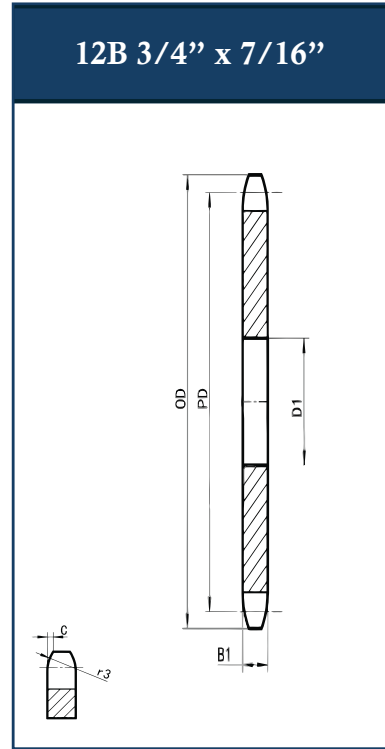
Type	p	Dr	Z	OD	PD	r3	B	b1
P1/P2/P3	12.7	8.51	8	38.28	33.19	13	7.2	7
P1/P2/P3	12.7	8.51	9	42.51	37.13	13	7.2	7
P1/P2/P3	12.7	8.51	10	46.71	41.10	13	7.2	7
P1/P2/P3	12.7	8.51	11	50.87	45.08	13	7.2	7
P1/P2/P3	12.7	8.51	12	55.02	49.07	13	7.2	7
P1/P2/P3	12.7	8.51	13	59.15	53.07	13	7.2	7
P1/P2/P3	12.7	8.51	14	63.26	57.07	13	7.2	7
P1/P2/P3	12.7	8.51	15	67.37	61.08	13	7.2	7
P1/P2/P3	12.7	8.51	16	71.47	65.10	13	7.2	7
P1/P2/P3	12.7	8.51	17	75.56	69.12	13	7.2	7
P1/P2/P3	12.7	8.51	18	79.65	73.14	13	7.2	7
P1/P2/P3	12.7	8.51	19	83.73	77.16	13	7.2	7
P1/P2/P3	12.7	8.51	20	87.80	81.18	13	7.2	7
P1/P2/P3	12.7	8.51	21	91.88	85.21	13	7.2	7
P1/P2/P3	12.7	8.51	22	95.95	89.24	13	7.2	7
P1/P2/P3	12.7	8.51	23	100.02	93.27	13	7.2	7
P1/P2/P3	12.7	8.51	24	104.09	97.30	13	7.2	7
P1/P2/P3	12.7	8.51	25	108.15	101.33	13	7.2	7
P1/P2/P3	12.7	8.51	26	112.21	105.36	13	7.2	7
P1/P2/P3	12.7	8.51	27	116.28	109.40	13	7.2	7
P1/P2/P3	12.7	8.51	28	120.34	113.43	13	7.2	7
P1/P2/P3	12.7	8.51	29	124.39	117.46	13	7.2	7
P1/P2/P3	12.7	8.51	30	128.45	121.50	13	7.2	7
P1/P2/P3	12.7	8.51	31	132.51	125.53	13	7.2	7
P1/P2/P3	12.7	8.51	32	136.57	129.57	13	7.2	7
P1/P2/P3	12.7	8.51	33	140.62	133.61	13	7.2	7
P1/P2/P3	12.7	8.51	34	144.67	137.64	13	7.2	7
P1/P2/P3	12.7	8.51	35	148.73	141.68	13	7.2	7
P1/P2/P3	12.7	8.51	36	152.78	145.72	13	7.2	7
P1/P2/P3	12.7	8.51	37	156.83	149.75	13	7.2	7
P1/P2/P3	12.7	8.51	38	160.89	153.79	13	7.2	7
P1/P2/P3	12.7	8.51	39	164.94	157.83	13	7.2	7
P1/P2/P3	12.7	8.51	40	168.99	161.87	13	7.2	7
P1/P2/P3	12.7	8.51	41	173.04	165.91	13	7.2	7
P1/P2/P3	12.7	8.51	42	177.09	169.94	13	7.2	7
P1/P2/P3	12.7	8.51	43	181.14	173.98	13	7.2	7
P1/P2/P3	12.7	8.51	44	185.19	178.02	13	7.2	7
P1/P2/P3	12.7	8.51	45	189.24	182.06	13	7.2	7
P1/P2/P3	12.7	8.51	46	193.29	186.10	13	7.2	7
P1/P2/P3	12.7	8.51	47	197.34	190.14	13	7.2	7
P1/P2/P3	12.7	8.51	48	201.38	194.18	13	7.2	7
P1/P2/P3	12.7	8.51	49	205.43	198.22	13	7.2	7
P1/P2/P3	12.7	8.51	50	209.48	202.26	13	7.2	7
P1/P2/P3	12.7	8.51	51	213.53	206.30	13	7.2	7
P1/P2/P3	12.7	8.51	52	217.58	210.34	13	7.2	7
P1/P2/P3	12.7	8.51	53	221.62	214.38	13	7.2	7
P1/P2/P3	12.7	8.51	54	225.67	218.42	13	7.2	7
P1/P2/P3	12.7	8.51	55	229.72	222.46	13	7.2	7
P1/P2/P3	12.7	8.51	56	233.76	226.50	13	7.2	7
P1/P2/P3	12.7	8.51	57	237.81	230.54	13	7.2	7
P1/P2/P3	12.7	8.51	58	241.86	234.58	13	7.2	7
P1/P2/P3	12.7	8.51	59	245.90	238.62	13	7.2	7
P1/P2/P3	12.7	8.51	60	249.95	242.66	13	7.2	7
P1/P2/P3	12.7	8.51	62	258.04	250.74	13	7.2	7
P1/P2/P3	12.7	8.51	64	266.13	258.83	13	7.2	7
P1/P2/P3	12.7	8.51	65	270.18	262.87	13	7.2	7
P1/P2/P3	12.7	8.51	66	274.23	266.91	13	7.2	7
P1/P2/P3	12.7	8.51	68	282.32	274.99	13	7.2	7
P1/P2/P3	12.7	8.51	70	290.41	283.07	13	7.2	7
P1/P2/P3	12.7	8.51	72	298.50	291.15	13	7.2	7
P1/P2/P3	12.7	8.51	75	310.63	303.28	13	7.2	7
P1/P2/P3	12.7	8.51	76	314.68	307.32	13	7.2	7
P1/P2/P3	12.7	8.51	78	322.77	315.40	13	7.2	7
P1/P2/P3	12.7	8.51	80	330.86	323.49	13	7.2	7
P1/P2/P3	12.7	8.51	85	351.08	343.69	13	7.2	7
P1/P2/P3	12.7	8.51	90	371.30	363.90	13	7.2	7
P1/P2/P3	12.7	8.51	95	391.52	384.11	13	7.2	7
P1/P2/P3	12.7	8.51	100	411.74	404.32	13	7.2	7
P1/P2/P3	12.7	8.51	110	452.18	444.74	13	7.2	7
P1/P2/P3	12.7	8.51	114	468.35	460.91	13	7.2	7
P1/P2/P3	12.7	8.51	120	492.61	485.16	13	7.2	7
P1/P2/P3	12.7	8.51	125	512.83	505.37	13	7.2	7



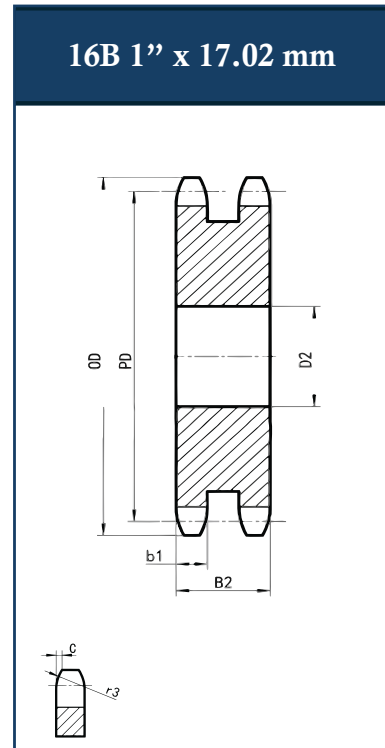
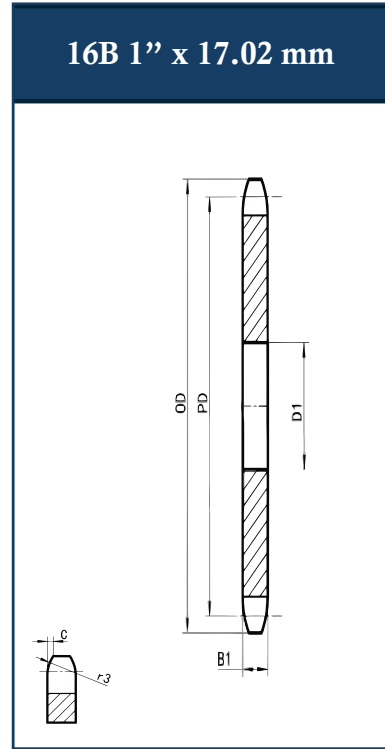
Type	p	Dr	Z	OD	PD	r3	B	b1
P1	15.875	10.16	8	47.85	41.48	16	9.1	9
P1	15.875	10.16	9	53.14	46.42	16	9.1	9
P1	15.875	10.16	10	58.38	51.37	16	9.1	9
P1	15.875	10.16	11	63.59	56.35	16	9.1	9
P1	15.875	10.16	12	68.77	61.34	16	9.1	9
P1	15.875	10.16	13	73.93	66.33	16	9.1	9
P1	15.875	10.16	14	79.08	71.34	16	9.1	9
P1	15.875	10.16	15	84.21	76.35	16	9.1	9
P1	15.875	10.16	16	89.33	81.37	16	9.1	9
P1	15.875	10.16	17	94.45	86.39	16	9.1	9
P1	15.875	10.16	18	99.56	91.42	16	9.1	9
P1	15.875	10.16	19	104.66	96.45	16	9.1	9
P1	15.875	10.16	20	109.76	101.48	16	9.1	9
P1	15.875	10.16	21	114.85	106.51	16	9.1	9
P1	15.875	10.16	22	119.94	111.55	16	9.1	9
P1	15.875	10.16	23	125.02	116.59	16	9.1	9
P1	15.875	10.16	24	130.11	121.62	16	9.1	9
P1	15.875	10.16	25	135.19	126.66	16	9.1	9
P1	15.875	10.16	26	140.27	131.70	16	9.1	9
P1	15.875	10.16	27	145.34	136.74	16	9.1	9
P1	15.875	10.16	28	150.42	141.79	16	9.1	9
P1	15.875	10.16	29	155.49	146.83	16	9.1	9
P1	15.875	10.16	30	160.57	151.87	16	9.1	9
P1	15.875	10.16	31	165.64	156.92	16	9.1	9
P1	15.875	10.16	32	170.71	161.96	16	9.1	9
P1	15.875	10.16	33	175.78	167.01	16	9.1	9
P1	15.875	10.16	34	180.84	172.05	16	9.1	9
P1	15.875	10.16	35	185.91	177.10	16	9.1	9
P1	15.875	10.16	36	190.98	182.15	16	9.1	9
P1	15.875	10.16	37	196.04	187.19	16	9.1	9
P1	15.875	10.16	38	201.11	192.24	16	9.1	9
P1	15.875	10.16	39	206.17	197.29	16	9.1	9
P1	15.875	10.16	40	211.24	202.33	16	9.1	9
P1	15.875	10.16	41	216.30	207.38	16	9.1	9
P1	15.875	10.16	42	221.36	212.43	16	9.1	9
P1	15.875	10.16	43	226.42	217.48	16	9.1	9
P1	15.875	10.16	44	231.49	222.53	16	9.1	9
P1	15.875	10.16	45	236.55	227.58	16	9.1	9
P1	15.875	10.16	46	241.61	232.63	16	9.1	9
P1	15.875	10.16	47	246.67	237.68	16	9.1	9
P1	15.875	10.16	48	251.73	242.73	16	9.1	9
P1	15.875	10.16	49	256.79	247.78	16	9.1	9
P1	15.875	10.16	50	261.85	252.82	16	9.1	9
P1	15.875	10.16	51	266.91	257.87	16	9.1	9
P1	15.875	10.16	52	271.97	262.92	16	9.1	9
P1	15.875	10.16	53	277.03	267.97	16	9.1	9
P1	15.875	10.16	54	282.09	273.03	16	9.1	9
P1	15.875	10.16	55	287.15	278.08	16	9.1	9
P1	15.875	10.16	56	292.21	283.13	16	9.1	9
P1	15.875	10.16	57	297.26	288.18	16	9.1	9
P1	15.875	10.16	58	302.32	293.23	16	9.1	9
P1	15.875	10.16	59	307.38	298.28	16	9.1	9
P1	15.875	10.16	60	312.44	303.33	16	9.1	9
P1	15.875	10.16	62	322.55	313.43	16	9.1	9
P1	15.875	10.16	64	332.67	323.53	16	9.1	9
P1	15.875	10.16	65	337.73	328.58	16	9.1	9
P1	15.875	10.16	66	342.78	333.64	16	9.1	9
P1	15.875	10.16	68	352.90	343.74	16	9.1	9
P1	15.875	10.16	70	363.01	353.84	16	9.1	9
P1	15.875	10.16	72	373.12	363.94	16	9.1	9
P1	15.875	10.16	75	388.29	379.10	16	9.1	9
P1	15.875	10.16	76	393.35	384.15	16	9.1	9
P1	15.875	10.16	78	403.46	394.25	16	9.1	9
P1	15.875	10.16	80	413.57	404.36	16	9.1	9
P1	15.875	10.16	85	438.85	429.62	16	9.1	9
P1	15.875	10.16	90	464.13	454.88	16	9.1	9
P1	15.875	10.16	95	489.40	480.14	16	9.1	9
P1	15.875	10.16	100	514.68	505.40	16	9.1	9
P1	15.875	10.16	110	565.22	555.92	16	9.1	9
P1	15.875	10.16	114	585.44	576.13	16	9.1	9
P1	15.875	10.16	120	615.77	606.45	16	9.1	9
P1	15.875	10.16	125	641.04	631.71	16	9.1	9



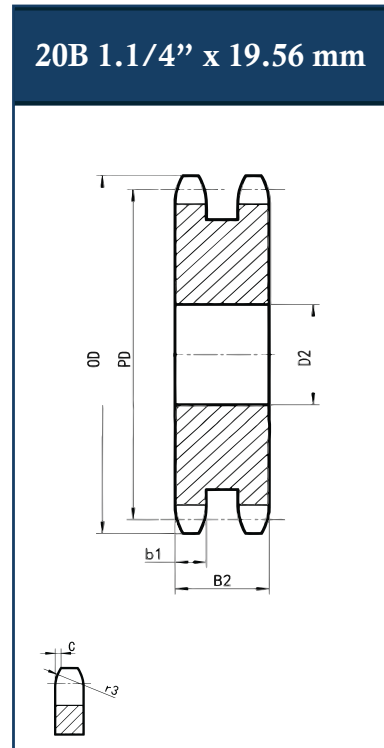
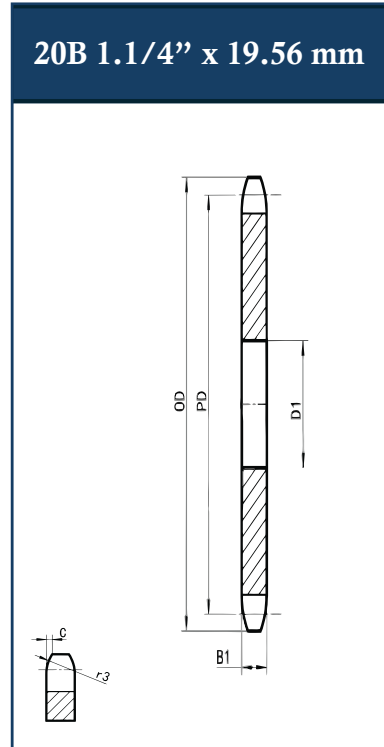
Type	p	Dr	Z	OD	PD	r3	B	b1
P1/P2/P3	19.05	12.07	8	57.42	49.78	19	11.1	10.8
P1/P2/P3	19.05	12.07	9	63.77	55.70	19	11.1	10.8
P1/P2/P3	19.05	12.07	10	70.06	61.65	19	11.1	10.8
P1/P2/P3	19.05	12.07	11	76.31	67.62	19	11.1	10.8
P1/P2/P3	19.05	12.07	12	82.53	73.60	19	11.1	10.8
P1/P2/P3	19.05	12.07	13	88.72	79.60	19	11.1	10.8
P1/P2/P3	19.05	12.07	14	94.89	85.61	19	11.1	10.8
P1/P2/P3	19.05	12.07	15	101.05	91.63	19	11.1	10.8
P1/P2/P3	19.05	12.07	16	107.20	97.65	19	11.1	10.8
P1/P2/P3	19.05	12.07	17	113.34	103.67	19	11.1	10.8
P1/P2/P3	19.05	12.07	18	119.47	109.70	19	11.1	10.8
P1/P2/P3	19.05	12.07	19	125.59	115.74	19	11.1	10.8
P1/P2/P3	19.05	12.07	20	131.71	121.78	19	11.1	10.8
P1/P2/P3	19.05	12.07	21	137.82	127.82	19	11.1	10.8
P1/P2/P3	19.05	12.07	22	143.93	133.86	19	11.1	10.8
P1/P2/P3	19.05	12.07	23	150.03	139.90	19	11.1	10.8
P1/P2/P3	19.05	12.07	24	156.13	145.95	19	11.1	10.8
P1/P2/P3	19.05	12.07	25	162.23	151.99	19	11.1	10.8
P1/P2/P3	19.05	12.07	26	168.32	158.04	19	11.1	10.8
P1/P2/P3	19.05	12.07	27	174.41	164.09	19	11.1	10.8
P1/P2/P3	19.05	12.07	28	180.50	170.14	19	11.1	10.8
P1/P2/P3	19.05	12.07	29	186.59	176.19	19	11.1	10.8
P1/P2/P3	19.05	12.07	30	192.68	182.25	19	11.1	10.8
P1/P2/P3	19.05	12.07	31	198.76	188.30	19	11.1	10.8
P1/P2/P3	19.05	12.07	32	204.85	194.35	19	11.1	10.8
P1/P2/P3	19.05	12.07	33	210.93	200.41	19	11.1	10.8
P1/P2/P3	19.05	12.07	34	217.01	206.46	19	11.1	10.8
P1/P2/P3	19.05	12.07	35	223.09	212.52	19	11.1	10.8
P1/P2/P3	19.05	12.07	36	229.17	218.57	19	11.1	10.8
P1/P2/P3	19.05	12.07	37	235.25	224.63	19	11.1	10.8
P1/P2/P3	19.05	12.07	38	241.33	230.69	19	11.1	10.8
P1/P2/P3	19.05	12.07	39	247.41	236.74	19	11.1	10.8
P1/P2/P3	19.05	12.07	40	253.48	242.80	19	11.1	10.8
P1/P2/P3	19.05	12.07	41	259.56	248.86	19	11.1	10.8
P1/P2/P3	19.05	12.07	42	265.63	254.92	19	11.1	10.8
P1/P2/P3	19.05	12.07	43	271.71	260.98	19	11.1	10.8
P1/P2/P3	19.05	12.07	44	277.78	267.03	19	11.1	10.8
P1/P2/P3	19.05	12.07	45	283.86	273.09	19	11.1	10.8
P1/P2/P3	19.05	12.07	46	289.93	279.15	19	11.1	10.8
P1/P2/P3	19.05	12.07	47	296.00	285.21	19	11.1	10.8
P1/P2/P3	19.05	12.07	48	302.08	291.27	19	11.1	10.8
P1/P2/P3	19.05	12.07	49	308.15	297.33	19	11.1	10.8
P1/P2/P3	19.05	12.07	50	314.22	303.39	19	11.1	10.8
P1/P2/P3	19.05	12.07	51	320.29	309.45	19	11.1	10.8
P1/P2/P3	19.05	12.07	52	326.36	315.51	19	11.1	10.8
P1/P2/P3	19.05	12.07	53	332.44	321.57	19	11.1	10.8
P1/P2/P3	19.05	12.07	54	338.51	327.63	19	11.1	10.8
P1/P2/P3	19.05	12.07	55	344.58	333.69	19	11.1	10.8
P1/P2/P3	19.05	12.07	56	350.65	339.75	19	11.1	10.8
P1/P2/P3	19.05	12.07	57	356.72	345.81	19	11.1	10.8
P1/P2/P3	19.05	12.07	58	362.79	351.87	19	11.1	10.8
P1/P2/P3	19.05	12.07	59	368.86	357.93	19	11.1	10.8
P1/P2/P3	19.05	12.07	60	374.93	363.99	19	11.1	10.8
P1/P2/P3	19.05	12.07	62	387.06	376.12	19	11.1	10.8
P1/P2/P3	19.05	12.07	64	399.20	388.24	19	11.1	10.8
P1/P2/P3	19.05	12.07	65	405.27	394.30	19	11.1	10.8
P1/P2/P3	19.05	12.07	66	411.34	400.36	19	11.1	10.8
P1/P2/P3	19.05	12.07	68	423.48	412.49	19	11.1	10.8
P1/P2/P3	19.05	12.07	70	435.61	424.61	19	11.1	10.8
P1/P2/P3	19.05	12.07	72	447.75	436.73	19	11.1	10.8
P1/P2/P3	19.05	12.07	75	465.95	454.92	19	11.1	10.8
P1/P2/P3	19.05	12.07	76	472.02	460.98	19	11.1	10.8
P1/P2/P3	19.05	12.07	78	484.15	473.10	19	11.1	10.8
P1/P2/P3	19.05	12.07	80	496.28	485.23	19	11.1	10.8
P1/P2/P3	19.05	12.07	85	526.62	515.54	19	11.1	10.8
P1/P2/P3	19.05	12.07	90	556.95	545.85	19	11.1	10.8
P1/P2/P3	19.05	12.07	95	587.28	576.17	19	11.1	10.8
P1/P2/P3	19.05	12.07	100	617.61	606.48	19	11.1	10.8
P1/P2/P3	19.05	12.07	110	678.27	667.11	19	11.1	10.8
P1/P2/P3	19.05	12.07	114	702.53	691.36	19	11.1	10.8
P1/P2/P3	19.05	12.07	120	738.92	727.74	19	11.1	10.8
P1/P2/P3	19.05	12.07	125	769.25	758.06	19	11.1	10.8



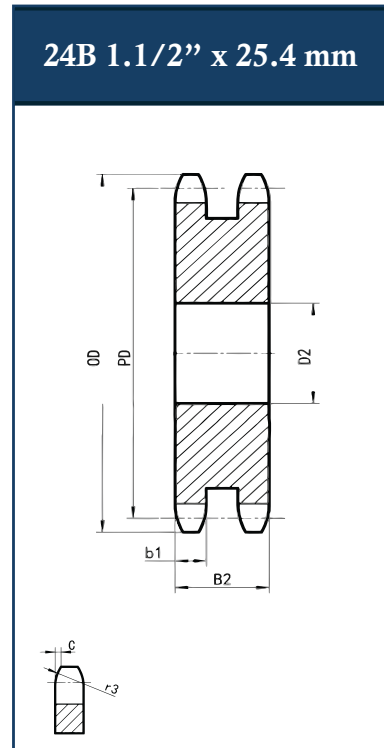
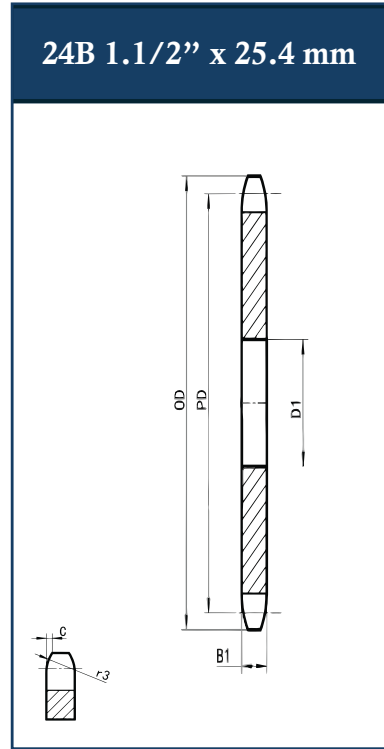
Type	p	Dr	Z	OD	PD	r3	B	b1
P1/P2/P3	25.4	15.875	8	76.56	66.37	26	16.2	15.8
P1/P2/P3	25.4	15.875	9	85.03	74.26	26	16.2	15.8
P1/P2/P3	25.4	15.875	10	93.41	82.20	26	16.2	15.8
P1/P2/P3	25.4	15.875	11	101.74	90.16	26	16.2	15.8
P1/P2/P3	25.4	15.875	12	110.03	98.14	26	16.2	15.8
P1/P2/P3	25.4	15.875	13	118.29	106.14	26	16.2	15.8
P1/P2/P3	25.4	15.875	14	126.52	114.15	26	16.2	15.8
P1/P2/P3	25.4	15.875	15	134.74	122.17	26	16.2	15.8
P1/P2/P3	25.4	15.875	16	142.93	130.20	26	16.2	15.8
P1/P2/P3	25.4	15.875	17	151.12	138.23	26	16.2	15.8
P1/P2/P3	25.4	15.875	18	159.29	146.27	26	16.2	15.8
P1/P2/P3	25.4	15.875	19	167.45	154.32	26	16.2	15.8
P1/P2/P3	25.4	15.875	20	175.61	162.37	26	16.2	15.8
P1/P2/P3	25.4	15.875	21	183.76	170.42	26	16.2	15.8
P1/P2/P3	25.4	15.875	22	191.90	178.48	26	16.2	15.8
P1/P2/P3	25.4	15.875	23	200.04	186.54	26	16.2	15.8
P1/P2/P3	25.4	15.875	24	208.17	194.60	26	16.2	15.8
P1/P2/P3	25.4	15.875	25	216.30	202.66	26	16.2	15.8
P1/P2/P3	25.4	15.875	26	224.43	210.72	26	16.2	15.8
P1/P2/P3	25.4	15.875	27	232.55	218.79	26	16.2	15.8
P1/P2/P3	25.4	15.875	28	240.67	226.86	26	16.2	15.8
P1/P2/P3	25.4	15.875	29	248.79	234.93	26	16.2	15.8
P1/P2/P3	25.4	15.875	30	256.90	243.00	26	16.2	15.8
P1/P2/P3	25.4	15.875	31	265.02	251.07	26	16.2	15.8
P1/P2/P3	25.4	15.875	32	273.13	259.14	26	16.2	15.8
P1/P2/P3	25.4	15.875	33	281.24	267.21	26	16.2	15.8
P1/P2/P3	25.4	15.875	34	289.35	275.28	26	16.2	15.8
P1/P2/P3	25.4	15.875	35	297.46	283.36	26	16.2	15.8
P1/P2/P3	25.4	15.875	36	305.56	291.43	26	16.2	15.8
P1/P2/P3	25.4	15.875	37	313.67	299.51	26	16.2	15.8
P1/P2/P3	25.4	15.875	38	321.77	307.58	26	16.2	15.8
P1/P2/P3	25.4	15.875	39	329.88	315.66	26	16.2	15.8
P1/P2/P3	25.4	15.875	40	337.98	323.74	26	16.2	15.8
P1/P2/P3	25.4	15.875	41	346.08	331.81	26	16.2	15.8
P1/P2/P3	25.4	15.875	42	354.18	339.89	26	16.2	15.8
P1/P2/P3	25.4	15.875	43	362.28	347.97	26	16.2	15.8
P1/P2/P3	25.4	15.875	44	370.38	356.05	26	16.2	15.8
P1/P2/P3	25.4	15.875	45	378.48	364.12	26	16.2	15.8
P1/P2/P3	25.4	15.875	46	386.57	372.20	26	16.2	15.8
P1/P2/P3	25.4	15.875	47	394.67	380.28	26	16.2	15.8
P1/P2/P3	25.4	15.875	48	402.77	388.36	26	16.2	15.8
P1/P2/P3	25.4	15.875	49	410.87	396.44	26	16.2	15.8
P1/P2/P3	25.4	15.875	50	418.96	404.52	26	16.2	15.8
P1/P2/P3	25.4	15.875	51	427.06	412.60	26	16.2	15.8
P1/P2/P3	25.4	15.875	52	435.15	420.68	26	16.2	15.8
P1/P2/P3	25.4	15.875	53	443.25	428.76	26	16.2	15.8
P1/P2/P3	25.4	15.875	54	451.34	436.84	26	16.2	15.8
P1/P2/P3	25.4	15.875	55	459.44	444.92	26	16.2	15.8
P1/P2/P3	25.4	15.875	56	467.53	453.00	26	16.2	15.8
P1/P2/P3	25.4	15.875	57	475.62	461.08	26	16.2	15.8
P1/P2/P3	25.4	15.875	58	483.72	469.16	26	16.2	15.8
P1/P2/P3	25.4	15.875	59	491.81	477.24	26	16.2	15.8
P1/P2/P3	25.4	15.875	60	499.90	485.33	26	16.2	15.8
P1/P2/P3	25.4	15.875	62	516.09	501.49	26	16.2	15.8
P1/P2/P3	25.4	15.875	64	532.27	517.65	26	16.2	15.8
P1/P2/P3	25.4	15.875	65	540.36	525.73	26	16.2	15.8
P1/P2/P3	25.4	15.875	66	548.45	533.82	26	16.2	15.8
P1/P2/P3	25.4	15.875	68	564.63	549.98	26	16.2	15.8
P1/P2/P3	25.4	15.875	70	580.81	566.15	26	16.2	15.8
P1/P2/P3	25.4	15.875	72	597.00	582.31	26	16.2	15.8
P1/P2/P3	25.4	15.875	75	621.27	606.56	26	16.2	15.8
P1/P2/P3	25.4	15.875	76	629.36	614.64	26	16.2	15.8
P1/P2/P3	25.4	15.875	78	645.53	630.81	26	16.2	15.8
P1/P2/P3	25.4	15.875	80	661.71	646.97	26	16.2	15.8
P1/P2/P3	25.4	15.875	85	702.16	687.39	26	16.2	15.8
P1/P2/P3	25.4	15.875	90	742.60	727.80	26	16.2	15.8
P1/P2/P3	25.4	15.875	95	783.04	768.22	26	16.2	15.8
P1/P2/P3	25.4	15.875	100	823.48	808.64	26	16.2	15.8
P1/P2/P3	25.4	15.875	110	904.36	889.48	26	16.2	15.8
P1/P2/P3	25.4	15.875	114	936.70	921.81	26	16.2	15.8
P1/P2/P3	25.4	15.875	120	985.23	970.32	26	16.2	15.8
P1/P2/P3	25.4	15.875	125	1025.66	1010.74	26	16.2	15.8



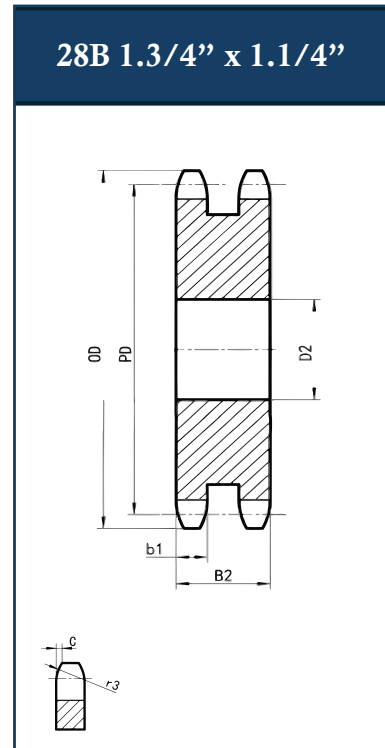
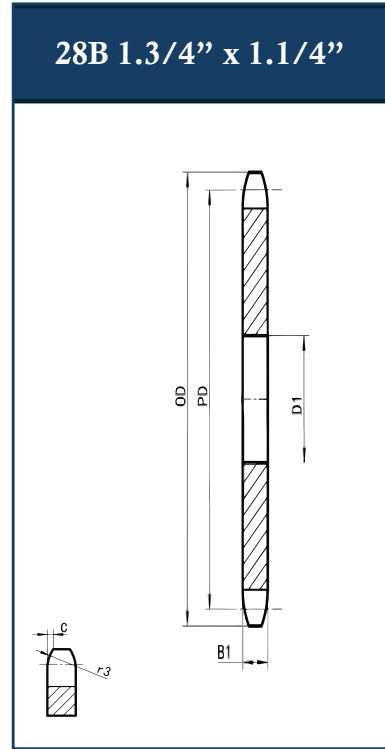
Type	p	Dr	Z	OD	PD	r3	B	b1
P1/P2/P3	31.75	19.05	8	95.70	82.97	32	18.5	18.2
P1/P2/P3	31.75	19.05	9	106.28	92.83	32	18.5	18.2
P1/P2/P3	31.75	19.05	10	116.77	102.75	32	18.5	18.2
P1/P2/P3	31.75	19.05	11	127.18	112.70	32	18.5	18.2
P1/P2/P3	31.75	19.05	12	137.54	122.67	32	18.5	18.2
P1/P2/P3	31.75	19.05	13	147.86	132.67	32	18.5	18.2
P1/P2/P3	31.75	19.05	14	158.16	142.68	32	18.5	18.2
P1/P2/P3	31.75	19.05	15	168.42	152.71	32	18.5	18.2
P1/P2/P3	31.75	19.05	16	178.67	162.75	32	18.5	18.2
P1/P2/P3	31.75	19.05	17	188.90	172.79	32	18.5	18.2
P1/P2/P3	31.75	19.05	18	199.11	182.84	32	18.5	18.2
P1/P2/P3	31.75	19.05	19	209.32	192.90	32	18.5	18.2
P1/P2/P3	31.75	19.05	20	219.51	202.96	32	18.5	18.2
P1/P2/P3	31.75	19.05	21	229.70	213.03	32	18.5	18.2
P1/P2/P3	31.75	19.05	22	239.88	223.10	32	18.5	18.2
P1/P2/P3	31.75	19.05	23	250.05	233.17	32	18.5	18.2
P1/P2/P3	31.75	19.05	24	260.22	243.25	32	18.5	18.2
P1/P2/P3	31.75	19.05	25	270.38	253.32	32	18.5	18.2
P1/P2/P3	31.75	19.05	26	280.53	263.41	32	18.5	18.2
P1/P2/P3	31.75	19.05	27	290.69	273.49	32	18.5	18.2
P1/P2/P3	31.75	19.05	28	300.84	283.57	32	18.5	18.2
P1/P2/P3	31.75	19.05	29	310.99	293.66	32	18.5	18.2
P1/P2/P3	31.75	19.05	30	321.13	303.75	32	18.5	18.2
P1/P2/P3	31.75	19.05	31	331.27	313.83	32	18.5	18.2
P1/P2/P3	31.75	19.05	32	341.41	323.92	32	18.5	18.2
P1/P2/P3	31.75	19.05	33	351.55	334.01	32	18.5	18.2
P1/P2/P3	31.75	19.05	34	361.69	344.10	32	18.5	18.2
P1/P2/P3	31.75	19.05	35	371.82	354.20	32	18.5	18.2
P1/P2/P3	31.75	19.05	36	381.95	364.29	32	18.5	18.2
P1/P2/P3	31.75	19.05	37	392.09	374.38	32	18.5	18.2
P1/P2/P3	31.75	19.05	38	402.22	384.48	32	18.5	18.2
P1/P2/P3	31.75	19.05	39	412.34	394.57	32	18.5	18.2
P1/P2/P3	31.75	19.05	40	422.47	404.67	32	18.5	18.2
P1/P2/P3	31.75	19.05	41	432.60	414.77	32	18.5	18.2
P1/P2/P3	31.75	19.05	42	442.72	424.86	32	18.5	18.2
P1/P2/P3	31.75	19.05	43	452.85	434.96	32	18.5	18.2
P1/P2/P3	31.75	19.05	44	462.97	445.06	32	18.5	18.2
P1/P2/P3	31.75	19.05	45	473.10	455.15	32	18.5	18.2
P1/P2/P3	31.75	19.05	46	483.22	465.25	32	18.5	18.2
P1/P2/P3	31.75	19.05	47	493.34	475.35	32	18.5	18.2
P1/P2/P3	31.75	19.05	48	503.46	485.45	32	18.5	18.2
P1/P2/P3	31.75	19.05	49	513.58	495.55	32	18.5	18.2
P1/P2/P3	31.75	19.05	50	523.70	505.65	32	18.5	18.2
P1/P2/P3	31.75	19.05	51	533.82	515.75	32	18.5	18.2
P1/P2/P3	31.75	19.05	52	543.94	525.85	32	18.5	18.2
P1/P2/P3	31.75	19.05	53	554.06	535.95	32	18.5	18.2
P1/P2/P3	31.75	19.05	54	564.18	546.05	32	18.5	18.2
P1/P2/P3	31.75	19.05	55	574.29	556.15	32	18.5	18.2
P1/P2/P3	31.75	19.05	56	584.41	566.25	32	18.5	18.2
P1/P2/P3	31.75	19.05	57	594.53	576.35	32	18.5	18.2
P1/P2/P3	31.75	19.05	58	604.64	586.45	32	18.5	18.2
P1/P2/P3	31.75	19.05	59	614.76	596.56	32	18.5	18.2
P1/P2/P3	31.75	19.05	60	624.88	606.66	32	18.5	18.2
P1/P2/P3	31.75	19.05	62	645.11	626.86	32	18.5	18.2
P1/P2/P3	31.75	19.05	64	665.34	647.07	32	18.5	18.2
P1/P2/P3	31.75	19.05	65	675.45	657.17	32	18.5	18.2
P1/P2/P3	31.75	19.05	66	685.56	667.27	32	18.5	18.2
P1/P2/P3	31.75	19.05	68	705.79	687.48	32	18.5	18.2
P1/P2/P3	31.75	19.05	70	726.02	707.68	32	18.5	18.2
P1/P2/P3	31.75	19.05	72	746.24	727.89	32	18.5	18.2
P1/P2/P3	31.75	19.05	75	776.58	758.20	32	18.5	18.2
P1/P2/P3	31.75	19.05	76	786.69	768.30	32	18.5	18.2
P1/P2/P3	31.75	19.05	80	827.14	808.71	32	18.5	18.2
P1/P2/P3	31.75	19.05	85	877.70	859.23	32	18.5	18.2
P1/P2/P3	31.75	19.05	90	928.25	909.76	32	18.5	18.2
P1/P2/P3	31.75	19.05	95	978.80	960.28	32	18.5	18.2
P1/P2/P3	31.75	19.05	100	1029.35	1010.80	32	18.5	18.2
P1/P2/P3	31.75	19.05	114	1170.88	1152.27	32	18.5	18.2



Type	p	Dr	Z	OD	PD	r3	B	b1
P1/P2/P3	38.1	25.4	8	114.84	99.56	38	24.1	23.6
P1/P2/P3	38.1	25.4	9	127.54	111.40	38	24.1	23.6
P1/P2/P3	38.1	25.4	10	140.24	123.23	38	24.1	23.6
P1/P2/P3	38.1	25.4	11	152.93	135.07	38	24.1	23.6
P1/P2/P3	38.1	25.4	12	165.63	146.91	38	24.1	23.6
P1/P2/P3	38.1	25.4	13	178.33	158.74	38	24.1	23.6
P1/P2/P3	38.1	25.4	14	191.03	170.58	38	24.1	23.6
P1/P2/P3	38.1	25.4	15	203.72	182.42	38	24.1	23.6
P1/P2/P3	38.1	25.4	16	216.42	194.25	38	24.1	23.6
P1/P2/P3	38.1	25.4	17	229.12	206.09	38	24.1	23.6
P1/P2/P3	38.1	25.4	18	241.82	217.93	38	24.1	23.6
P1/P2/P3	38.1	25.4	19	254.51	229.77	38	24.1	23.6
P1/P2/P3	38.1	25.4	20	267.21	241.60	38	24.1	23.6
P1/P2/P3	38.1	25.4	21	279.91	253.44	38	24.1	23.6
P1/P2/P3	38.1	25.4	22	292.60	265.28	38	24.1	23.6
P1/P2/P3	38.1	25.4	23	305.30	277.11	38	24.1	23.6
P1/P2/P3	38.1	25.4	24	318.00	288.95	38	24.1	23.6
P1/P2/P3	38.1	25.4	25	330.70	300.79	38	24.1	23.6
P1/P2/P3	38.1	25.4	26	343.39	312.62	38	24.1	23.6
P1/P2/P3	38.1	25.4	27	356.09	324.46	38	24.1	23.6
P1/P2/P3	38.1	25.4	28	368.79	336.30	38	24.1	23.6
P1/P2/P3	38.1	25.4	29	381.49	348.13	38	24.1	23.6
P1/P2/P3	38.1	25.4	30	394.18	359.97	38	24.1	23.6
P1/P2/P3	38.1	25.4	31	406.88	371.81	38	24.1	23.6
P1/P2/P3	38.1	25.4	32	419.58	383.64	38	24.1	23.6
P1/P2/P3	38.1	25.4	33	432.28	395.48	38	24.1	23.6
P1/P2/P3	38.1	25.4	34	444.97	407.32	38	24.1	23.6
P1/P2/P3	38.1	25.4	35	457.67	419.16	38	24.1	23.6
P1/P2/P3	38.1	25.4	36	470.37	430.99	38	24.1	23.6
P1/P2/P3	38.1	25.4	37	483.06	442.83	38	24.1	23.6
P1/P2/P3	38.1	25.4	38	495.76	454.67	38	24.1	23.6
P1/P2/P3	38.1	25.4	39	508.46	466.50	38	24.1	23.6
P1/P2/P3	38.1	25.4	40	521.16	478.34	38	24.1	23.6
P1/P2/P3	38.1	25.4	41	533.85	490.18	38	24.1	23.6
P1/P2/P3	38.1	25.4	42	546.55	502.01	38	24.1	23.6
P1/P2/P3	38.1	25.4	43	559.25	513.85	38	24.1	23.6
P1/P2/P3	38.1	25.4	44	571.95	525.69	38	24.1	23.6
P1/P2/P3	38.1	25.4	45	584.64	537.52	38	24.1	23.6
P1/P2/P3	38.1	25.4	46	597.34	549.36	38	24.1	23.6
P1/P2/P3	38.1	25.4	47	610.04	561.20	38	24.1	23.6
P1/P2/P3	38.1	25.4	48	622.74	573.03	38	24.1	23.6
P1/P2/P3	38.1	25.4	49	635.43	584.87	38	24.1	23.6
P1/P2/P3	38.1	25.4	50	648.13	596.71	38	24.1	23.6
P1/P2/P3	38.1	25.4	51	660.83	608.54	38	24.1	23.6
P1/P2/P3	38.1	25.4	52	673.53	620.38	38	24.1	23.6
P1/P2/P3	38.1	25.4	53	686.22	632.22	38	24.1	23.6
P1/P2/P3	38.1	25.4	54	698.92	644.06	38	24.1	23.6
P1/P2/P3	38.1	25.4	55	711.62	655.89	38	24.1	23.6
P1/P2/P3	38.1	25.4	56	724.31	667.73	38	24.1	23.6
P1/P2/P3	38.1	25.4	57	737.01	679.57	38	24.1	23.6
P1/P2/P3	38.1	25.4	58	749.71	691.40	38	24.1	23.6
P1/P2/P3	38.1	25.4	59	762.41	703.24	38	24.1	23.6
P1/P2/P3	38.1	25.4	60	775.10	715.08	38	24.1	23.6
P1/P2/P3	38.1	25.4	61	787.80	726.91	38	24.1	23.6
P1/P2/P3	38.1	25.4	62	800.50	738.75	38	24.1	23.6
P1/P2/P3	38.1	25.4	63	813.20	750.59	38	24.1	23.6
P1/P2/P3	38.1	25.4	64	825.89	762.42	38	24.1	23.6
P1/P2/P3	38.1	25.4	65	838.59	774.26	38	24.1	23.6
P1/P2/P3	38.1	25.4	66	851.29	786.10	38	24.1	23.6
P1/P2/P3	38.1	25.4	67	863.99	797.93	38	24.1	23.6
P1/P2/P3	38.1	25.4	68	876.68	809.77	38	24.1	23.6
P1/P2/P3	38.1	25.4	69	889.38	821.61	38	24.1	23.6
P1/P2/P3	38.1	25.4	70	902.08	833.44	38	24.1	23.6
P1/P2/P3	38.1	25.4	71	914.77	845.28	38	24.1	23.6
P1/P2/P3	38.1	25.4	72	927.47	857.12	38	24.1	23.6



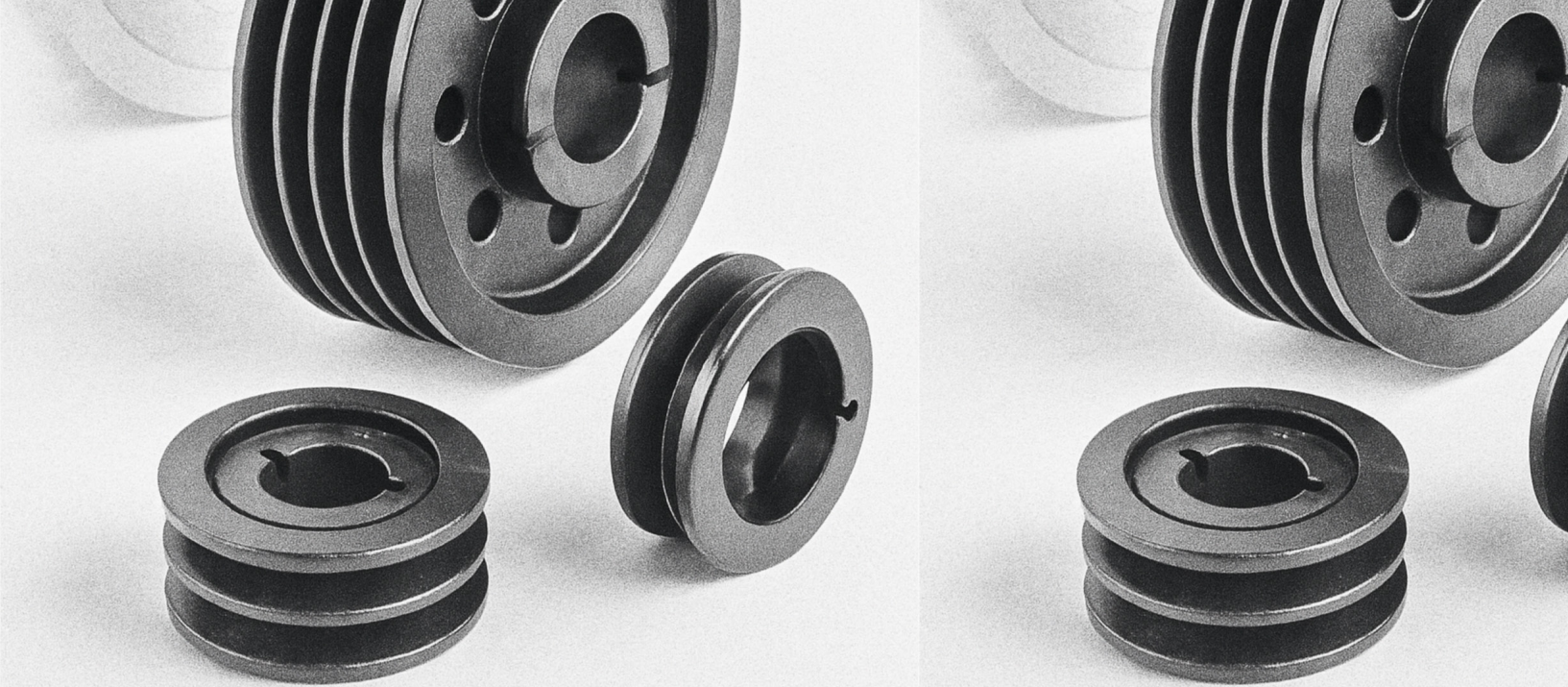
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P1/P2/P3	44.45	27.94	8	133.98	116.15	44	29.4	28.8
P1/P2/P3	44.45	27.94	9	148.80	129.96	44	29.4	28.8
P1/P2/P3	44.45	27.94	10	163.47	143.84	44	29.4	28.8
P1/P2/P3	44.45	27.94	11	178.05	157.77	44	29.4	28.8
P1/P2/P3	44.45	27.94	12	192.56	171.74	44	29.4	28.8
P1/P2/P3	44.45	27.94	13	207.01	185.74	44	29.4	28.8
P1/P2/P3	44.45	27.94	14	221.42	199.76	44	29.4	28.8
P1/P2/P3	44.45	27.94	15	235.79	213.79	44	29.4	28.8
P1/P2/P3	44.45	27.94	16	250.14	227.84	44	29.4	28.8
P1/P2/P3	44.45	27.94	17	264.46	241.91	44	29.4	28.8
P1/P2/P3	44.45	27.94	18	278.76	255.98	44	29.4	28.8
P1/P2/P3	44.45	27.94	19	293.04	270.06	44	29.4	28.8
P1/P2/P3	44.45	27.94	20	307.32	284.14	44	29.4	28.8
P1/P2/P3	44.45	27.94	21	321.58	298.24	44	29.4	28.8
P1/P2/P3	44.45	27.94	22	335.83	312.34	44	29.4	28.8
P1/P2/P3	44.45	27.94	23	350.07	326.44	44	29.4	28.8
P1/P2/P3	44.45	27.94	24	364.30	340.54	44	29.4	28.8
P1/P2/P3	44.45	27.94	25	378.53	354.65	44	29.4	28.8
P1/P2/P3	44.45	27.94	26	392.75	368.77	44	29.4	28.8
P1/P2/P3	44.45	27.94	27	406.96	382.88	44	29.4	28.8
P1/P2/P3	44.45	27.94	28	421.17	397.00	44	29.4	28.8
P1/P2/P3	44.45	27.94	29	435.38	411.12	44	29.4	28.8
P1/P2/P3	44.45	27.94	30	449.58	425.24	44	29.4	28.8
P1/P2/P3	44.45	27.94	31	463.78	439.37	44	29.4	28.8
P1/P2/P3	44.45	27.94	32	477.98	453.49	44	29.4	28.8
P1/P2/P3	44.45	27.94	33	492.17	467.62	44	29.4	28.8
P1/P2/P3	44.45	27.94	34	506.36	481.75	44	29.4	28.8
P1/P2/P3	44.45	27.94	35	520.55	495.88	44	29.4	28.8
P1/P2/P3	44.45	27.94	36	534.74	510.01	44	29.4	28.8
P1/P2/P3	44.45	27.94	37	548.92	524.14	44	29.4	28.8
P1/P2/P3	44.45	27.94	38	563.10	538.27	44	29.4	28.8
P1/P2/P3	44.45	27.94	39	577.28	552.40	44	29.4	28.8
P1/P2/P3	44.45	27.94	40	591.46	566.54	44	29.4	28.8
P1/P2/P3	44.45	27.94	45	662.33	637.22	44	29.4	28.8
P1/P2/P3	44.45	27.94	50	733.18	707.91	44	29.4	28.8
P1/P2/P3	44.45	27.94	57	832.34	806.89	44	29.4	28.8
P1/P2/P3	44.45	27.94	60	874.83	849.32	44	29.4	28.8
P1/P2/P3	44.45	27.94	76	1101.37	1075.62	44	29.4	28.8



Sprockets

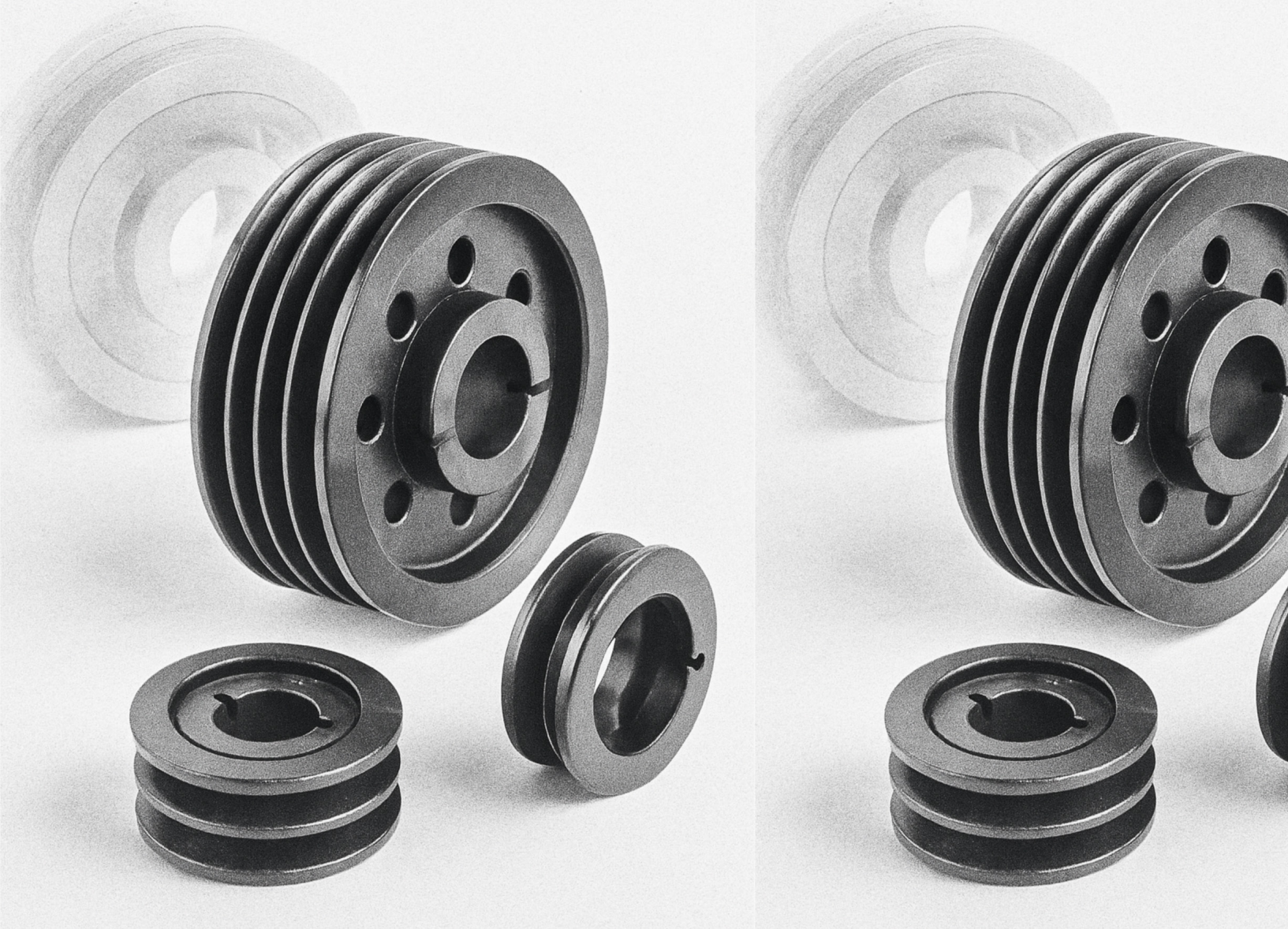
Notes





ART

Apollo Power Transmission



V-Belt Pulleys

Pulley Features

Features

General

Apollo pulleys are manufactured from high-quality cast iron or steel and supplied with a protective phosphate coating. V, multi-groove and PV pulleys are dynamically balanced to grade G6.3 or better, enabling peripheral speeds up to 40 m/s.

V-Belt Pulleys

- Designed to run with both wedge and classical V-belts.
- Dual-duty profile in accordance with ISO 4183.
- Produced from GG25 fine-grain cast iron.
- Standard range supplied in taper bush bore; pilot bore and QD-bush versions available on request.
- Non-standard designs and large diameters up to 2400 mm can be engineered to customer specification.

Multiple Groove Pulleys

- Compact one- or two-groove drive solution.
- Unique high-torque locking system eliminates the need for keyways or grub screws.
- Manufactured from GG25 high-grade cast iron.

PV Pulleys

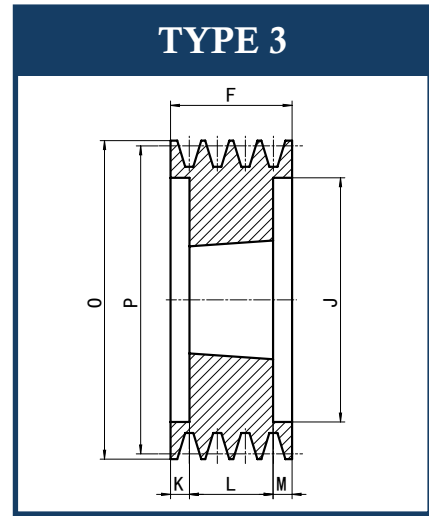
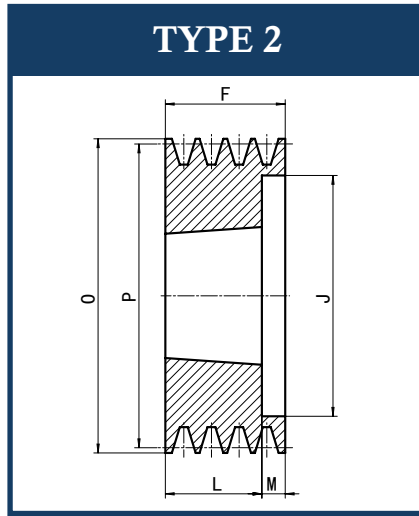
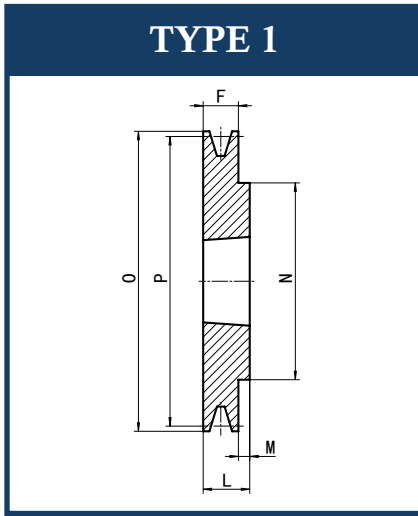
- Supplied in J, K and L belt sections.
- Manufactured from GG25 high-grade cast iron.

Classical Timing Belt Pulleys

- Taper bush versions available for L (3/8") and H (1/2") sections.
- Pilot bore versions available for XL (1/5"), L (3/8") and H (1/2") sections.
- Manufactured from premium cast iron or steel.
- Designed to suit standard belt widths.

HTD Profile Pulleys

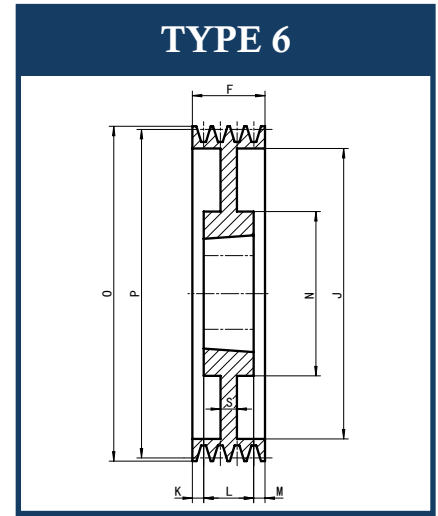
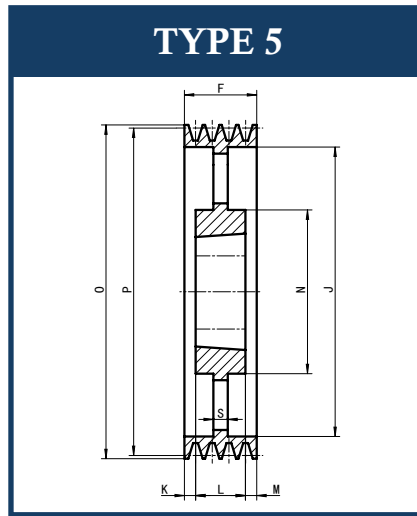
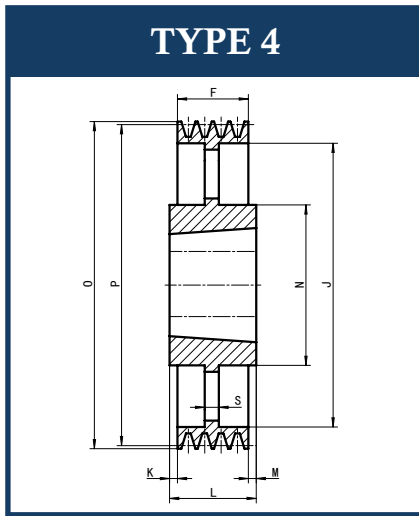
- Available in 5M, 8M and 14M pitches.
- Offered in both taper-bore and pilot-bore execution.
- Manufactured from high-grade cast iron or steel.



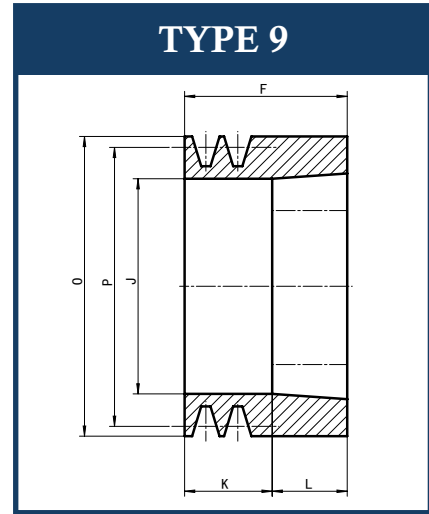
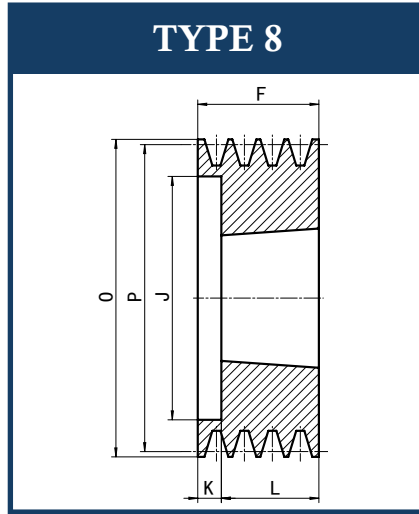
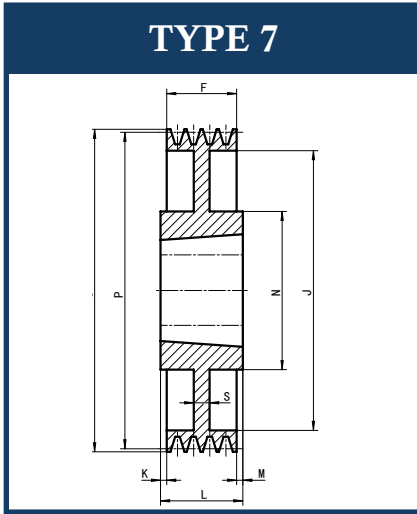
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 50-01	1	50	54	9	1008	25	—	37	28	15	22	—	—	0.33
SPZ 56-01	1	56	60	9	1008	25	—	37	33	15	22	—	—	0.44
SPZ 60-01	1	60	64	9	1008	25	—	22	—	—	22	—	—	0.28
SPZ 63-01	1	63	67	1	1108	28	—	16	—	—	22	6	22	0.28
SPZ 67-01	1	67	71	1	1108	28	—	16	—	—	22	6	22	0.32
SPZ 71-01	1	71	75	1	1108	28	—	16	—	—	22	6	22	0.37
SPZ 75-01	1	75	79	1	1108	28	—	16	—	—	22	6	22	0.42
SPZ 80-01	1	80	84	1	1210	32	—	16	—	—	25	9	25	0.51
SPZ 85-01	1	85	89	1	1210	32	—	16	—	—	25	9	25	0.58
SPZ 90-01	1	90	94	1	1210	32	—	16	—	—	25	9	25	0.66
SPZ 95-01	1	95	99	1	1210	32	—	16	—	—	25	9	25	0.74
SPZ 100-01	1	100	104	1	1210	32	—	16	—	—	25	9	25	0.83
SPZ 106-01	1	106	110	1	1610	42	—	16	—	—	25	9	25	0.84
SPZ 112-01	1	112	116	1	1610	42	—	16	—	—	25	9	25	0.95
SPZ 118-01	1	118	122	1	1610	42	—	16	—	—	25	9	25	1.08
SPZ 125-01	1	125	129	1	1610	42	—	16	—	—	25	9	25	1.23
SPZ 132-01	1	132	136	1	1610	42	—	16	—	—	25	9	25	1.40
SPZ 140-01	1	140	144	1	1610	42	—	16	—	—	25	9	25	1.59
SPZ 150-01	1	150	154	1	1610	42	—	16	—	—	25	9	25	1.86
SPZ 160-01	1	160	164	1	1610	42	—	16	—	—	25	9	25	2.14
SPZ 170-01	1	170	174	1	1610	42	—	16	—	—	25	9	25	2.44
SPZ 180-01	1	180	184	7	1610	42	8	16	152	—	25	9	25	1.98
SPZ 190-01	1	190	194	7	1610	42	8	16	162	—	25	9	25	2.17

Taper Bored V-Belt Pulleys

1-Groove



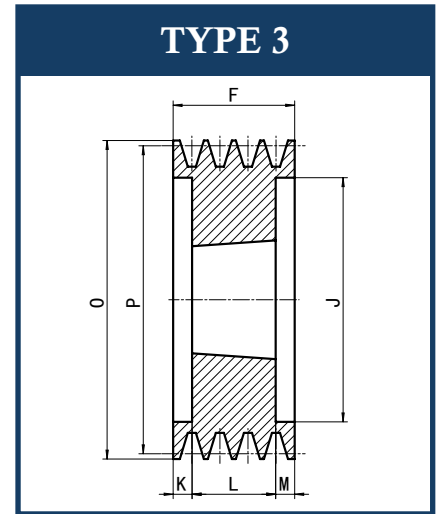
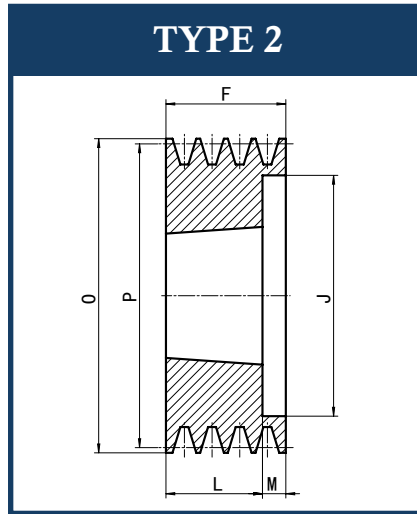
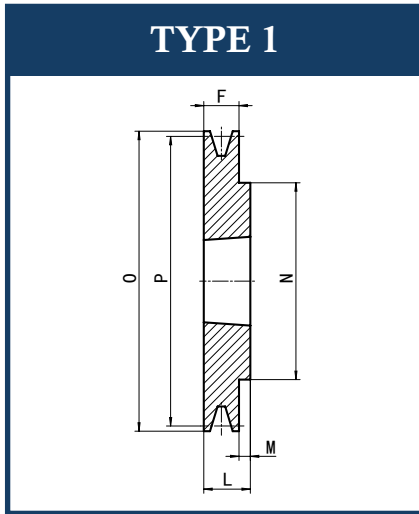
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 200-01	1	200	204	7	2012	50	8	16	172	—	32	16	32	2.74
SPZ 224-01	1	224	228	7	2012	50	8	16	196	—	32	16	32	3.26
SPZ 250-01	1	250	254	4	2012	50	—	16	222	8	32	8	32	3.03
SPZ 280-01	1	280	284	4	2012	50	—	16	252	8	32	8	32	3.38
SPZ 315-01	1	315	319	4	2012	50	—	16	287	8	32	8	32	4.26
SPZ 355-01	1	355	359	4	2012	50	—	16	327	8	32	8	32	4.82
SPZ 400-01	1	400	404	4	2012	50	—	16	372	8	32	8	32	5.44
SPZ 450-01	1	450	454	4	2517	60	—	16	422	8	45	14.5	45	6.97
SPA 63-01	1	63	68.5	1	1008	25	—	20	—	8	22	2	22	0.27
SPA 67-01	1	67	72.5	1	1108	28	—	20	—	8	22	2	22	0.31
SPA 71-01	1	71	76.5	1	1108	28	—	20	—	8	22	2	22	0.37
SPA 75-01	1	75	80.5	1	1108	28	—	20	—	8	22	2	22	0.43
SPA 80-01	1	80	85.5	1	1210	32	—	20	—	8	25	5	25	0.49
SPA 85-01	1	85	90.5	1	1210	32	—	20	—	8	25	5	25	0.58
SPA 90-01	1	90	95.5	1	1210	32	—	20	—	8	25	5	25	0.67
SPA 95-01	1	95	100.5	1	1210	32	—	20	—	8	25	5	25	0.77
SPA 100-01	1	100	105.5	1	1610	42	—	20	—	8	25	5	25	0.76
SPA 106-01	1	106	111.5	1	1610	42	—	20	—	8	25	5	25	0.89
SPA 112-01	1	112	117.5	1	1610	42	—	20	—	8	25	5	25	1.04
SPA 118-01	1	118	123.5	1	1610	42	—	20	—	8	25	5	25	1.20
SPA 125-01	1	125	130.5	1	1610	42	—	20	—	8	25	5	25	1.39
SPA 132-01	1	132	137.5	1	1610	42	—	20	—	8	25	5	25	1.60
SPA 140-01	1	140	145.5	1	1610	42	—	20	—	8	25	5	25	1.84



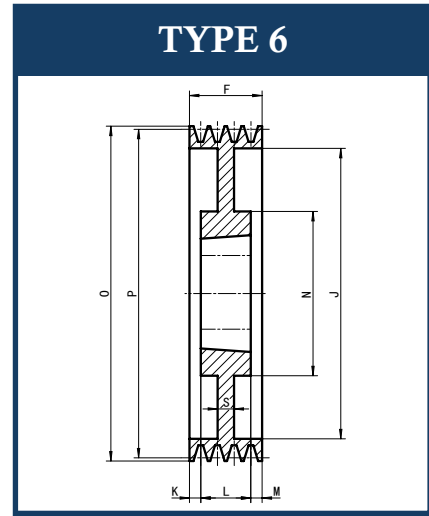
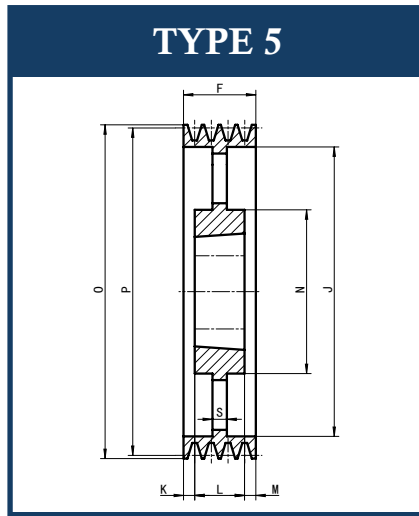
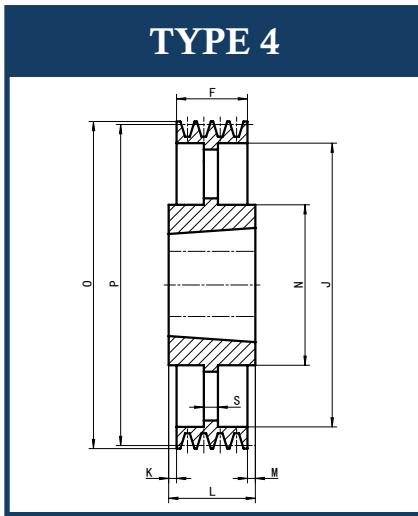
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPA 150-01	1	150	155.5	1	1610	42	—	20	—	8	25	5	25	2.17
SPA 160-01	1	160	165.5	1	1610	42	—	20	—	8	25	5	25	3.27
SPA 170-01	1	170	175.5	1	1610	42	—	20	—	8	25	5	25	3.64
SPA 180-01	1	180	185.5	7	1610	42	6	20	146	8	25	5	25	2.06
SPA 190-01	1	190	195.5	7	1610	42	6	20	156	8	25	5	25	2.24
SPA 200-01	1	200	205.5	7	2012	50	6	20	166	8	32	12	32	2.82
SPA 212-01	1	212	217.5	7	2012	50	8	20	178	8	32	12	32	3.30
SPA 224-01	1	224	229.5	7	2012	50	8	20	190	8	32	12	32	3.59
SPA 236-01	1	236	241.5	7	2012	50	8	20	202	8	32	12	32	3.89
SPA 250-01	1	250	255.5	7	2012	50	8	20	216	8	32	12	32	4.26
SPA 280-01	1	280	285.5	7	2012	50	8	20	246	8	32	12	32	5.11
SPA 300-01	1	300	305.5	7	2012	50	12	20	266	8	32	12	32	7.14
SPA 315-01	1	315	320.5	4	2012	50	—	20	281	8	32	12	32	4.85
SPA 355-01	1	355	360.5	4	2012	50	—	20	321	8	32	12	32	5.49
SPA 400-01	1	400	405.5	4	2012	50	—	20	366	8	32	12	32	6.22
SPA 450-01	1	450	455.5	4	2012	50	—	20	416	8	32	12	32	7.02
SPA 500-01	1	500	505.5	4	2517	60	—	20	466	8	45	25	45	8.65
SPA 560-01	1	560	565.5	4	2517	60	—	20	526	8	45	25	45	9.62
SPA 630-01	1	630	635.5	4	2517	60	—	20	596	8	45	25	45	12.39
SPB 100-01	1	100	107	1	1610	42	—	25	—	8	25	—	—	0.79
SPB 112-01	1	112	119	1	1610	42	—	25	—	8	25	—	—	1.17
SPB 118-01	1	118	125	1	1610	42	—	25	—	8	25	—	—	1.36
SPB 125-01	1	125	132	1	1610	42	—	25	—	8	25	—	—	1.59

Taper Bored V-Belt Pulleys

1-Groove



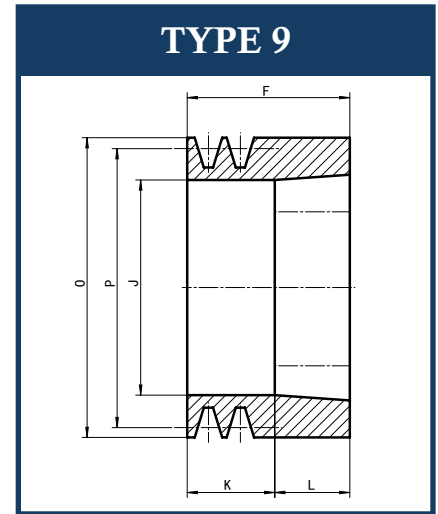
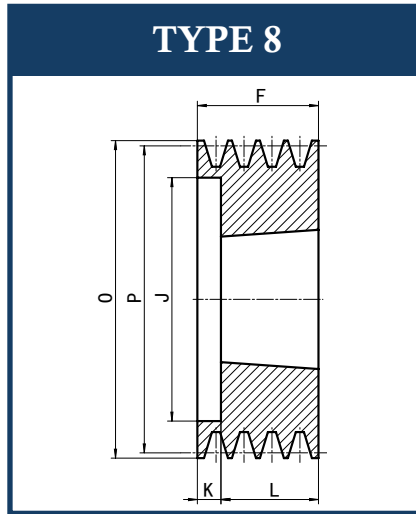
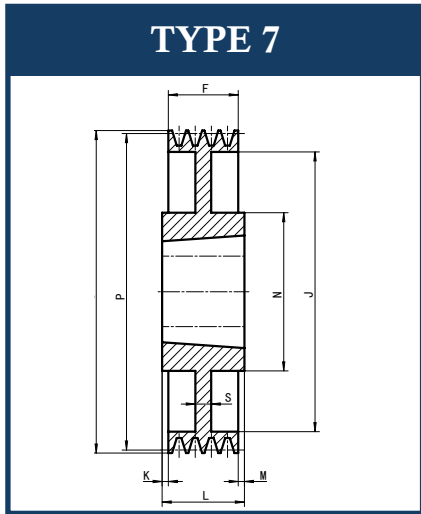
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 132-01	1	132	139	1	1610	42	—	25	—	8	25	—	—	1.85
SPB 140-01	1	140	147	1	1610	42	—	25	—	8	25	—	—	2.15
SPB 150-01	1	150	157	1	1610	42	—	25	—	8	25	—	—	2.56
SPB 160-01	1	160	167	1	1610	42	—	25	—	8	25	—	—	3.00
SPB 170-01	1	170	177	1	1610	42	—	25	—	8	25	—	—	3.46
SPB 180-01	1	180	187	6	1610	42	10	25	137	8	25	—	25	2.80
SPB 190-01	1	190	197	7	2012	50	10	25	147	8	32	3.5	32	3.42
SPB 200-01	1	200	207	7	2012	50	10	25	157	8	32	3.5	32	3.70
SPB 212-01	1	212	219	7	2012	50	10	25	169	8	32	3.5	32	4.06
SPB 224-01	1	224	231	7	2012	50	10	25	181	8	32	3.5	32	4.43
SPB 236-01	1	236	243	7	2012	50	10	25	193	8	32	3.5	32	4.81
SPB 250-01	1	250	257	7	2012	50	10	25	207	8	32	3.5	32	5.29
SPB 280-01	1	280	287	7	2012	50	10	25	237	8	32	3.5	32	6.38
SPB 300-01	1	300	307	7	2012	50	10	25	257	8	32	3.5	32	7.17
SPB 315-01	1	315	322	7	2012	50	10	25	272	8	32	3.5	32	7.79
SPZ 50-02	2	50	54	9	1008	25	—	49	28	8	22	—	—	0.41
SPZ 56-02	2	56	60	9	1108	28	—	49	35	8	22	—	—	0.49
SPZ 60-02	2	60	64	9	1108	28	—	49	36	8	22	—	—	0.61
SPZ 63-02	2	63	67	8	1108	28	—	28	40	8	22	—	—	0.30
SPZ 67-02	2	67	71	8	1108	28	—	28	42	8	22	—	—	0.38
SPZ 71-02	2	71	75	8	1108	28	—	28	44	8	22	—	—	0.45
SPZ 75-02	2	75	79	8	1210	32	—	28	51	8	25	—	—	0.42
SPZ 80-02	2	80	84	8	1210	32	—	28	55	8	25	—	—	0.54



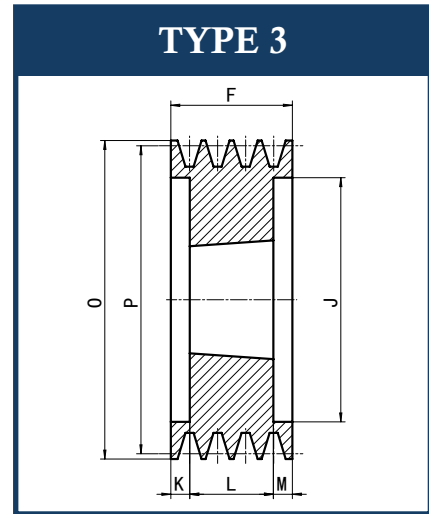
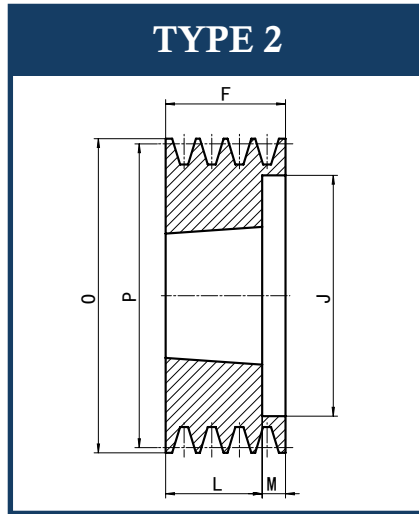
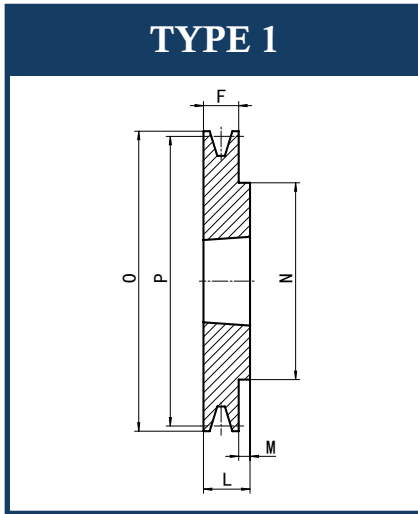
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 85-02	2	85	89	8	1610	42	—	28	60	8	25	—	—	0.51
SPZ 90-02	2	90	94	8	1610	42	—	28	64	8	25	—	—	0.63
SPZ 95-02	2	95	99	8	1610	42	—	28	67	8	25	—	—	0.77
SPZ 100-02	2	100	104	8	1610	42	—	28	72	8	25	—	—	0.91
SPZ 106-02	2	106	110	8	1610	42	—	28	78	8	25	—	—	1.08
SPZ 112-02	2	112	116	8	1610	42	—	28	84	8	25	—	—	1.27
SPZ 118-02	2	118	122	8	1610	42	—	28	90	8	25	—	—	1.47
SPZ 125-02	2	125	129	8	1610	42	—	28	97	8	25	—	—	1.71
SPZ 132-02	2	132	136	8	1610	42	—	28	104	8	25	—	—	1.97
SPZ 140-02	2	140	144	8	1610	42	—	28	112	8	25	—	—	2.28
SPZ 150-02	2	150	154	1	2012	50	—	28	—	8	32	4	32	2.79
SPZ 160-02	2	160	164	1	2012	50	—	28	—	8	32	4	32	3.28
SPZ 170-02	2	170	174	1	2012	50	—	28	—	8	32	4	32	3.80
SPZ 180-02	2	180	184	7	2012	50	10	28	152	8	32	4	32	2.98
SPZ 190-02	2	190	194	7	2012	50	10	28	162	8	32	4	32	3.23
SPZ 200-02	2	200	204	7	2012	50	10	28	172	8	32	4	32	3.50
SPZ 224-02	2	224	228	7	2012	50	10	28	196	8	32	4	32	4.20
SPZ 250-02	2	250	254	4	2012	50	—	28	222	8	32	2	32	4.04
SPZ 280-02	2	280	284	4	2012	50	—	28	252	8	32	2	32	4.55
SPZ 315-02	2	315	319	4	2012	50	—	28	287	8	32	2	32	5.78
SPZ 355-02	2	355	359	4	2012	50	—	28	327	8	32	2	32	6.59
SPZ 400-02	2	400	404	4	2517	60	—	28	372	8	45	8.5	45	8.27
SPZ 450-02	2	450	454	4	2517	60	—	28	422	8	45	8.5	45	9.28

Taper Bored V-Belt Pulleys

2-Grooves



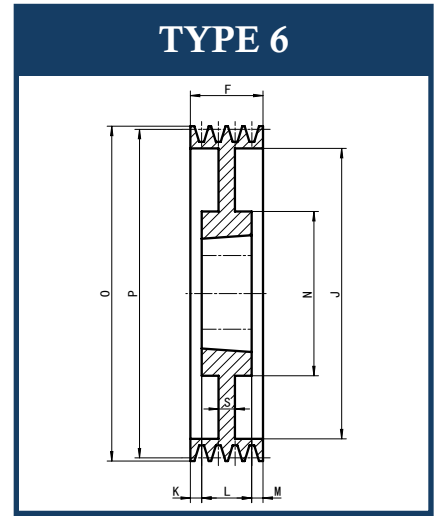
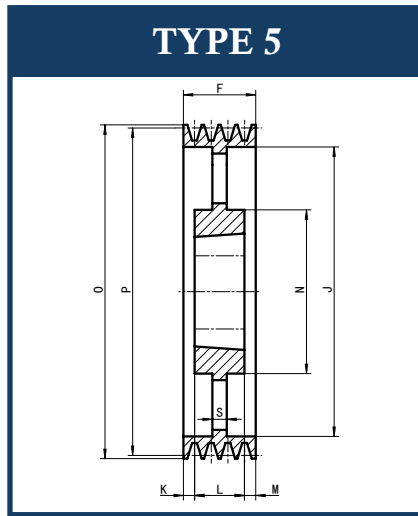
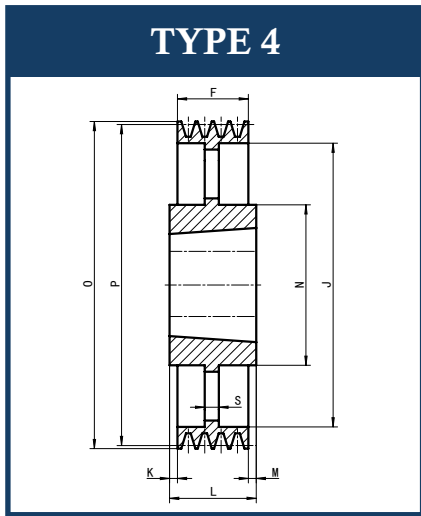
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 500-02	2	500	504	4	2517	60	—	28	472	8	45	8.5	45	11.48
SPA 63-02	2	63	68.5	8	1008	25	—	35	36	8	22	—	—	0.39
SPA 67-02	2	67	72.5	8	1108	28	—	35	37	8	22	—	—	0.45
SPA 71-02	2	71	76.5	8	1108	28	—	35	40	8	22	—	—	0.54
SPA 75-02	2	75	80.5	8	1108	28	—	35	44	8	22	—	—	0.62
SPA 80-02	2	80	85.5	8	1210	32	—	35	50	8	25	—	—	0.62
SPA 85-02	2	85	90.5	8	1210	32	—	35	55	8	25	—	—	0.74
SPA 90-02	2	90	95.5	8	1610	42	—	35	60	8	25	—	—	0.72
SPA 95-02	2	95	100.5	8	1610	42	—	35	64	8	25	—	—	0.87
SPA 100-02	2	100	105.5	8	1610	42	—	35	70	8	25	—	—	1.01
SPA 106-02	2	106	111.5	8	1610	42	—	35	76	8	25	—	—	1.19
SPA 112-02	2	112	117.5	8	1610	42	—	35	80	8	25	—	—	1.40
SPA 118-02	2	118	123.5	8	1610	42	—	35	86	8	25	—	—	1.63
SPA 125-02	2	125	130.5	8	1610	42	—	35	91	8	25	—	—	1.90
SPA 132-02	2	132	137.5	8	2012	50	—	35	98	8	32	—	—	2.16
SPA 140-02	2	140	145.5	8	2012	50	—	35	106	8	32	—	—	2.56
SPA 150-02	2	150	155.5	8	2012	50	—	35	116	8	32	—	—	3.08
SPA 160-02	2	160	165.5	8	2012	50	—	35	126	8	32	—	—	3.65
SPA 170-02	2	170	175.5	8	2012	50	—	35	136	8	32	—	—	4.25
SPA 180-02	2	180	185.5	6	2012	50	10	35	146	8	32	1.5	32	3.43
SPA 190-02	2	190	195.5	6	2012	50	10	35	156	8	32	1.5	32	3.71
SPA 200-02	2	200	205.5	7	2517	60	10	35	166	8	45	5	45	4.71
SPA 212-02	2	212	217.5	7	2517	60	10	35	178	8	45	10	45	5.09



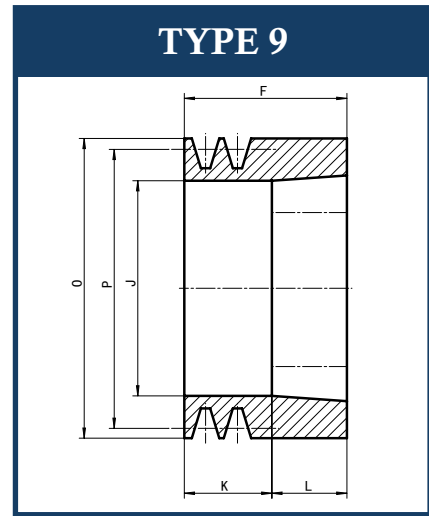
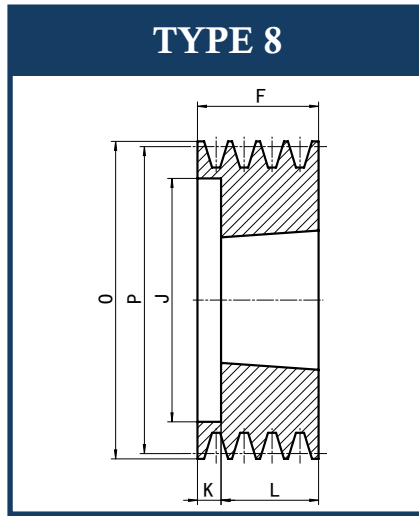
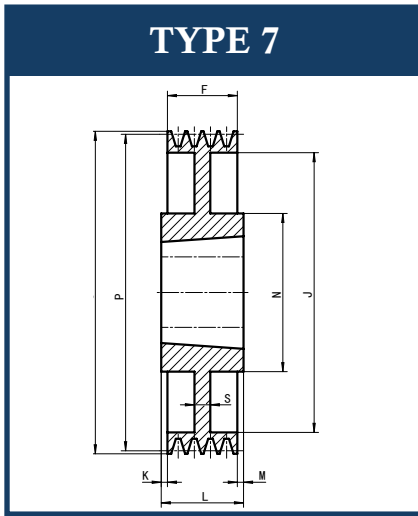
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPA 224-02	2	224	229.5	7	2517	60	10	35	190	8	45	10	45	5.48
SPA 236-02	2	236	241.5	7	2517	60	10	35	202	8	45	10	45	5.88
SPA 250-02	2	250	255.5	7	2517	60	10	35	216	8	45	10	45	6.38
SPA 280-02	2	280	285.5	7	2517	60	10	35	246	8	45	10	45	7.52
SPA 300-02	2	300	305.5	7	2517	60	12	35	266	8	45	10	45	9.00
SPA 315-02	2	315	320.5	4	2517	60	—	35	281	8	45	10	45	7.51
SPA 355-02	2	355	360.5	4	2517	60	—	35	321	8	45	10	45	8.46
SPA 400-02	2	400	405.5	4	2517	60	—	35	366	8	45	10	45	9.54
SPA 450-02	2	450	455.5	4	2517	60	—	35	416	8	45	10	45	10.73
SPA 500-02	2	500	505.5	4	2517	60	—	35	466	8	45	10	45	13.09
SPA 560-02	2	560	565.5	4	3020	75	—	35	526	8	51	16	51	15.77
SPA 630-02	2	630	635.5	4	3020	75	—	35	596	8	51	16	51	18.96
SPB 100-02	2	100	107	8	1610	42	—	44	62	8	25	—	—	1.23
SPB 112-02	2	112	119	8	1610	42	—	44	72	8	25	—	—	1.68
SPB 118-02	2	118	125	2	1610	42	—	44	78	8	25	19	—	1.90
SPB 125-02	2	125	132	2	2012	50	—	44	82	8	32	12	—	2.11
SPB 132-02	2	132	139	2	2012	50	—	44	89	8	32	12	—	2.45
SPB 140-02	2	140	147	2	2012	50	—	44	97	8	32	12	—	2.86
SPB 150-02	2	150	157	2	2012	50	—	44	107	8	32	12	—	3.42
SPB 160-02	2	160	167	2	2012	50	—	44	117	8	32	12	—	4.01
SPB 170-02	2	170	177	2	2012	50	—	44	127	8	32	12	—	4.63
SPB 180-02	2	180	187	1	2517	60	—	44	—	8	45	1	45	5.74
SPB 190-02	2	190	197	1	2517	60	—	44	—	8	45	1	45	6.69

Taper Bored V-Belt Pulleys

2-Grooves



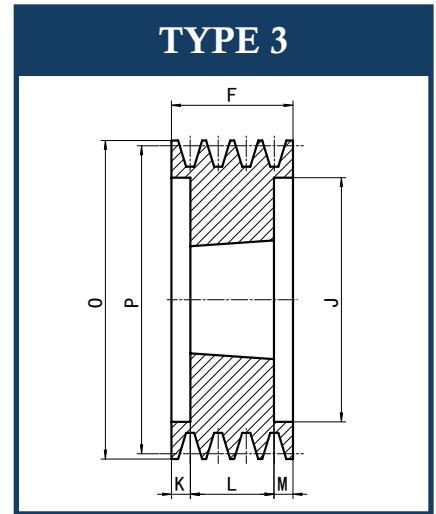
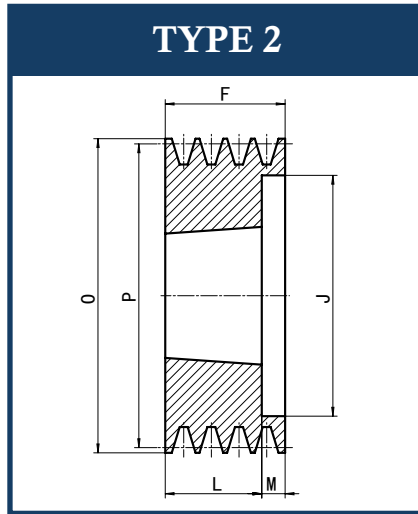
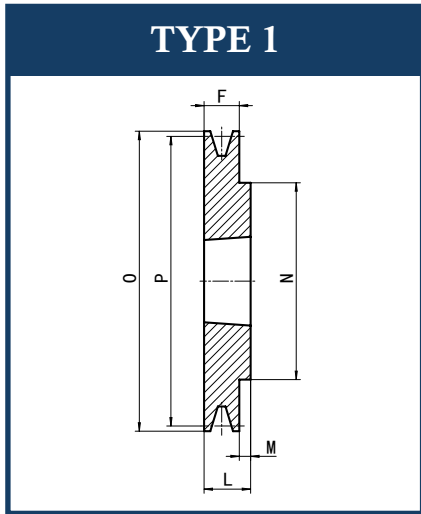
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 200-02	2	200	207	1	2517	60	—	44	—	8	45	1	45	7.65
SPB 212-02	2	212	219	7	2517	60	10	44	169	8	45	1	45	6.05
SPB 224-02	2	224	231	7	2517	60	10	44	181	8	45	—	45	6.50
SPB 236-02	2	236	243	7	2517	60	10	44	193	8	45	—	45	6.97
SPB 250-02	2	250	257	7	2517	60	10	44	207	8	45	—	45	7.54
SPB 265-02	2	265	272	7	2517	60	10	44	222	8	45	—	45	8.18
SPB 280-02	2	280	287	7	2517	60	12	44	237	8	45	—	45	9.33
SPB 300-02	2	300	307	7	2517	60	12	44	257	8	45	—	45	10.37
SPB 315-02	2	315	322	7	2517	60	12	44	272	8	45	—	45	11.19
SPB 335-02	2	335	342	7	2517	60	12	44	292	8	45	—	45	12.33
SPB 355-02	2	355	362	4	3020	75	—	44	312	8	51	3.5	51	12.10
SPB 375-02	2	375	382	4	3020	75	—	44	332	8	51	3.5	51	12.77
SPB 400-02	2	400	407	4	3020	75	—	44	357	8	51	3.5	51	13.61
SPB 425-02	2	425	432	4	3020	75	—	44	382	8	51	3.5	51	14.44
SPB 450-02	2	450	457	4	3020	75	—	44	407	8	51	3.5	51	15.28
SPB 500-02	2	500	507	4	3020	75	—	44	457	8	51	3.5	51	17.86
SPB 560-02	2	560	567	4	3030	75	—	44	517	8	76	28	76	21.81
SPB 630-02	2	630	637	4	3030	75	—	44	587	8	76	28	76	26.07
SPZ 63-03	3	63	67	8	1108	28	—	40	40	8	22	—	—	0.41
SPZ 67-03	3	67	71	8	1108	28	—	40	42	8	22	—	—	0.51
SPZ 71-03	3	71	75	8	1108	28	—	40	44	8	22	—	—	0.61
SPZ 75-03	3	75	79	8	1210	32	—	40	51	8	25	—	—	0.56
SPZ 80-03	3	80	84	8	1210	32	—	40	55	8	25	—	—	0.70



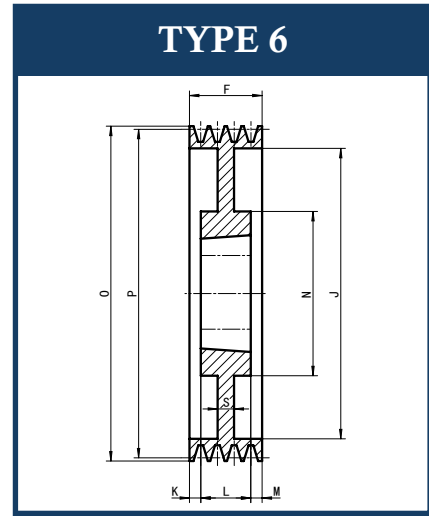
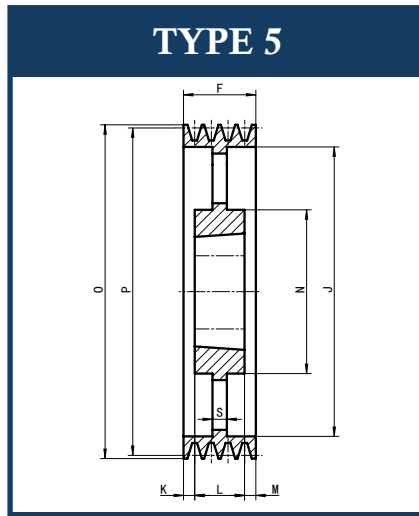
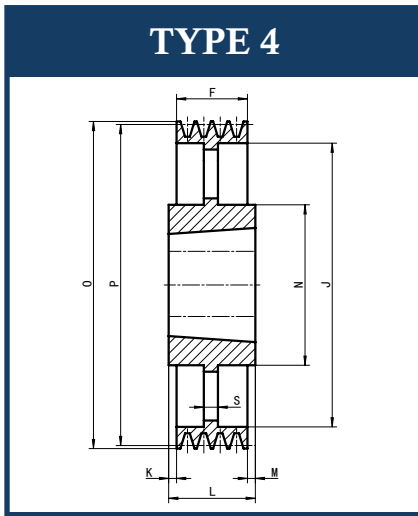
PART NO.	GROOVE	P.D.	O.D.	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 85-03	3	85	89	8	1610	42	—	40	60	8	25	—	—	0.68
SPZ 90-03	3	90	94	8	1610	42	—	40	64	8	25	—	—	0.83
SPZ 95-03	3	95	99	8	1610	42	—	40	67	8	25	—	—	1.00
SPZ 100-03	3	100	104	8	1610	42	—	40	72	8	25	—	—	1.15
SPZ 106-03	3	106	110	8	1610	42	—	40	78	8	25	—	—	1.35
SPZ 112-03	3	112	116	8	2012	50	—	40	84	8	32	—	—	1.44
SPZ 118-03	3	118	122	8	2012	50	—	40	90	8	32	—	—	1.69
SPZ 125-03	3	125	129	2	2012	50	—	40	97	8	32	8	—	2.01
SPZ 132-03	3	132	136	2	2012	50	—	40	104	8	32	8	—	2.35
SPZ 140-03	3	140	144	2	2012	50	—	40	112	8	32	8	—	2.75
SPZ 150-03	3	150	154	2	2012	50	—	40	122	8	32	8	—	3.30
SPZ 160-03	3	160	164	2	2012	50	—	40	132	8	32	8	—	3.88
SPZ 170-03	3	170	174	3	2012	50	—	40	142	8	32	4	—	4.49
SPZ 180-03	3	180	184	6	2012	50	8	40	152	8	32	8	32	3.30
SPZ 190-03	3	190	194	6	2012	50	10	40	162	8	32	4	32	3.74
SPZ 200-03	3	200	204	6	2012	50	10	40	172	8	32	4	32	4.04
SPZ 224-03	3	224	228	6	2012	50	10	40	196	8	32	4	32	4.81
SPZ 250-03	3	250	254	5	2012	50	—	40	222	8	32	4	32	4.73
SPZ 280-03	3	280	284	4	2517	60	—	40	252	8	45	2.5	45	6.15
SPZ 315-03	3	315	319	4	2517	60	—	40	287	8	45	2.5	45	7.42
SPZ 355-03	3	355	359	4	2517	60	—	40	327	8	45	2.5	45	8.35
SPZ 400-03	3	400	404	4	2517	60	—	40	372	8	45	2.5	45	9.39
SPZ 450-03	3	450	454	4	2517	60	—	40	422	8	45	2.5	45	10.55

Taper Bored V-Belt Pulleys

3-Grooves



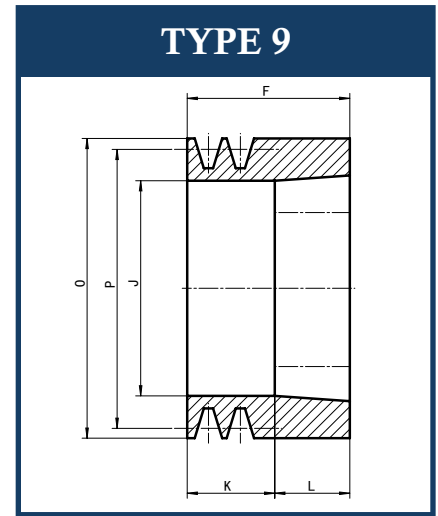
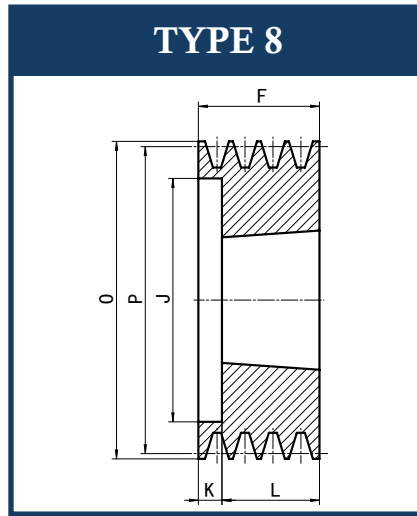
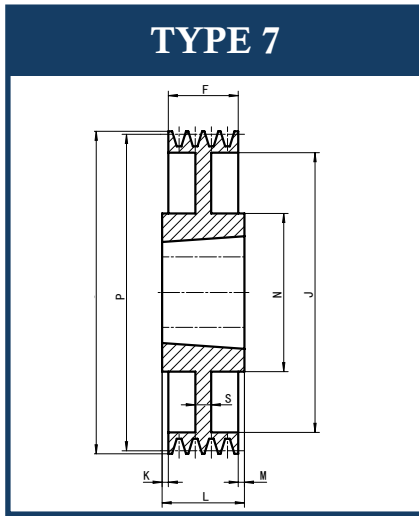
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 500-03	3	500	504	4	2517	60	—	40	472	8	45	2.5	45	12.90
SPZ 630-03	3	630	634	4	2517	60	—	40	602	8	45	2.5	45	17.72
SPZ 800-03	3	800	804	4	3020	75	—	40	772	8	51	5.5	51	28.78
SPA 71-03	3	71	76.5	8	1108	28	—	50	40	8	22	—	—	0.73
SPA 75-03	3	75	80.5	8	1108	28	—	50	44	8	22	—	—	0.83
SPA 80-03	3	80	85.5	8	1210	32	—	50	50	8	25	—	—	0.84
SPA 85-03	3	85	90.5	8	1210	32	—	50	55	8	25	—	—	0.98
SPA 90-03	3	90	95.5	8	1610	42	—	50	60	8	25	—	—	0.98
SPA 95-03	3	95	100.5	8	1610	42	—	50	64	8	25	—	—	1.15
SPA 100-03	3	100	105.5	2	1610	42	—	50	70	8	25	25	—	1.30
SPA 106-03	3	106	111.5	2	1610	42	—	50	76	8	25	25	—	1.50
SPA 112-03	3	112	117.5	8	2012	50	—	50	83	8	32	—	—	1.57
SPA 118-03	3	118	123.5	2	2012	50	—	50	86	8	32	18	—	1.92
SPA 125-03	3	125	130.5	2	2012	50	—	50	92	8	32	18	—	2.28
SPA 132-03	3	132	137.5	2	2012	50	—	50	98	8	32	18	—	2.65
SPA 140-03	3	140	145.5	8	2517	60	—	50	106	8	45	—	—	2.97
SPA 150-03	3	150	155.5	8	2517	60	—	50	116	8	45	—	—	3.71
SPA 160-03	3	160	165.5	8	2517	60	—	50	126	8	45	—	—	4.50
SPA 170-03	3	170	175.5	8	2517	60	—	50	136	8	45	—	—	5.34
SPA 180-03	3	180	185.5	8	2517	60	—	50	146	8	45	—	—	6.24
SPA 190-03	3	190	195.5	8	2517	60	—	50	156	8	45	—	—	7.19
SPA 200-03	3	200	205.5	6	2517	60	12	50	166	8	45	2.5	45	5.65
SPA 212-03	3	212	217.5	6	2517	60	12	50	178	8	45	2.5	45	6.12



PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPA 224-03	3	224	229.5	6	2517	60	12	50	190	8	45	2.5	45	6.61
SPA 236-03	3	236	241.5	6	2517	60	12	50	202	8	45	2.5	45	7.13
SPA 250-03	3	250	255.5	6	2517	60	12	50	216	8	45	2.5	45	7.75
SPA 280-03	3	280	285.5	6	2517	60	12	50	246	8	45	2.5	45	9.19
SPA 300-03	3	300	305.5	4	3020	75	—	50	266	8	51	0.5	51	9.49
SPA 315-03	3	315	320.5	4	3020	75	—	50	281	8	51	0.5	51	10.39
SPA 355-03	3	355	360.5	4	3020	75	—	50	321	8	51	0.5	51	11.64
SPA 400-03	3	400	405.5	4	3020	75	—	50	366	8	51	0.5	51	13.06
SPA 450-03	3	450	455.5	4	3020	75	—	50	416	8	51	0.5	51	14.64
SPA 500-03	3	500	505.5	4	3020	75	—	50	466	8	51	0.5	51	17.13
SPA 560-03	3	560	565.5	4	3020	75	—	50	526	8	51	0.5	51	19.19
SPA 630-03	3	630	635.5	4	3020	75	—	50	596	8	51	0.5	51	23.35
SPA 800-03	3	800	805.5	4	3535	90	—	50	766	8	89	19.5	89	34.11
SPA 1000-03	3	1000	1005.5	4	3535	90	—	50	966	8	89	19.5	89	49.31
SPB 100-03	3	100	107	8	1610	42	—	63	62	8	25	—	—	1.67
SPB 112-03	3	112	119	8	1610	42	—	63	72	8	25	—	—	2.22
SPB 118-03	3	118	125	2	1610	42	—	63	78	8	25	38	—	2.48
SPB 125-03	3	125	132	2	2012	50	—	63	82	8	32	31	—	2.78
SPB 132-03	3	132	139	2	2012	50	—	63	89	8	32	31	—	3.17
SPB 140-03	3	140	147	2	2012	50	—	63	97	8	32	31	—	3.64
SPB 150-03	3	150	157	2	2517	60	—	63	107	8	45	18	—	4.17
SPB 160-03	3	160	167	2	2517	60	—	63	117	8	45	18	—	5.00
SPB 170-03	3	170	177	2	2517	60	—	63	127	8	45	18	—	5.88

Taper Bored V-Belt Pulleys

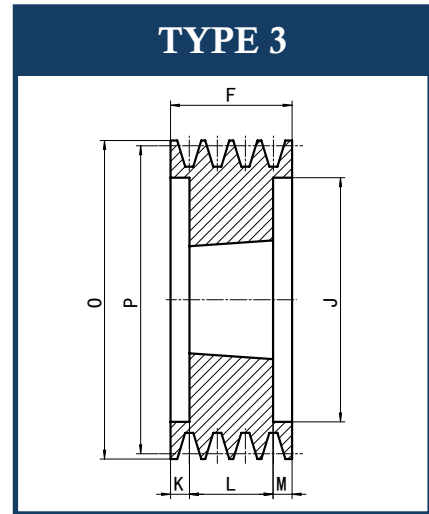
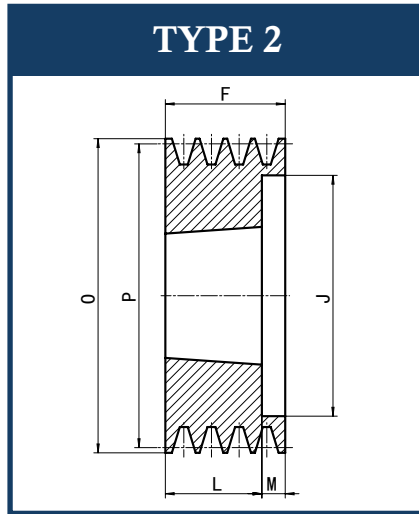
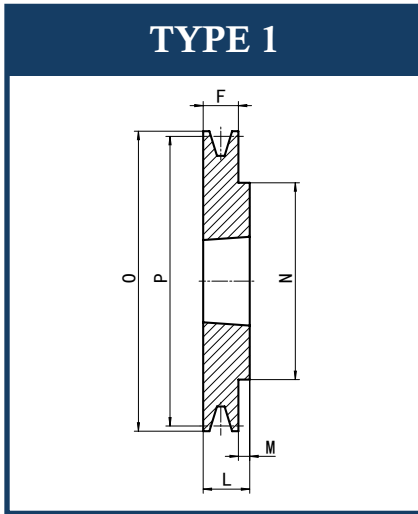
3-Grooves



PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 180-03	3	180	187	2	2517	60	—	63	137	8	45	18	—	6.81
SPB 190-03	3	190	197	2	2517	60	—	63	147	8	45	18	—	7.87
SPB 200-03	3	200	207	2	2517	60	—	63	157	8	45	18	—	8.92
SPB 212-03	3	212	219	6	2517	60	12	63	169	8	45	18	45	7.50
SPB 224-03	3	224	231	6	2517	60	12	63	181	8	45	18	45	8.09
SPB 236-03	3	236	243	6	2517	60	12	63	193	8	45	18	45	8.69
SPB 250-03	3	250	257	6	3020	75	12	63	207	8	51	12	51	10.28
SPB 265-03	3	265	272	6	3020	75	12	63	222	8	51	6	51	11.09
SPB 280-03	3	280	287	6	3020	75	12	63	237	8	51	6	51	11.94
SPB 300-03	3	300	307	6	3020	75	12	63	257	8	51	6	51	13.12
SPB 315-03	3	315	322	6	3020	75	12	63	272	8	51	6	51	14.04
SPB 335-03	3	335	342	6	3020	75	12	63	292	8	51	6	51	15.31
SPB 355-03	3	355	362	5	3020	75	—	63	312	8	51	6	51	14.86
SPB 375-03	3	375	382	5	3020	75	—	63	332	8	51	6	51	15.73
SPB 400-03	3	400	407	4	3535	90	—	63	357	8	89	13	89	20.25
SPB 425-03	3	425	432	4	3535	90	—	63	382	8	89	26	89	21.33
SPB 450-03	3	450	457	4	3535	90	—	63	407	8	89	26	89	22.41
SPB 500-03	3	500	507	4	3535	90	—	63	457	8	89	26	89	26.95
SPB 560-03	3	560	567	4	3535	90	—	63	517	8	89	26	89	30.03
SPB 630-03	3	630	637	4	3535	90	—	63	587	8	89	26	89	35.61
SPB 710-03	3	710	717	4	3535	90	—	63	667	8	89	22	89	40.09
SPB 800-03	3	800	807	4	3535	90	—	63	757	8	89	22	89	46.15
SPB 900-03	3	900	907	4	3535	90	—	63	857	8	89	22	89	58.30

All dimensions in millimeters unless otherwise stated.

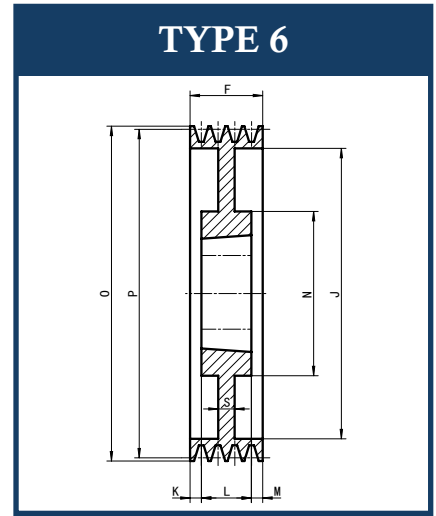
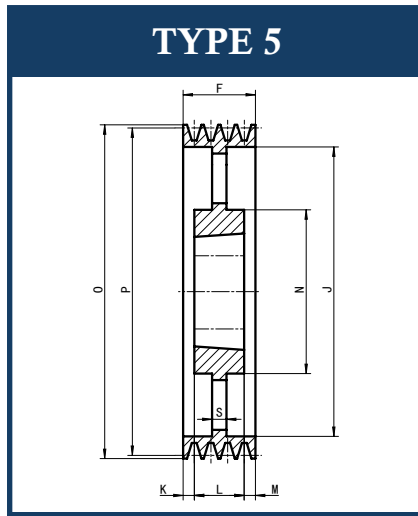
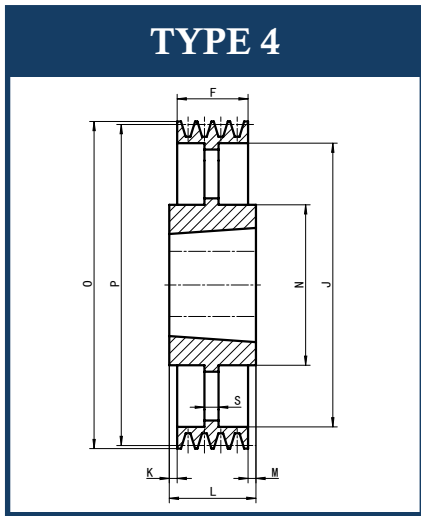
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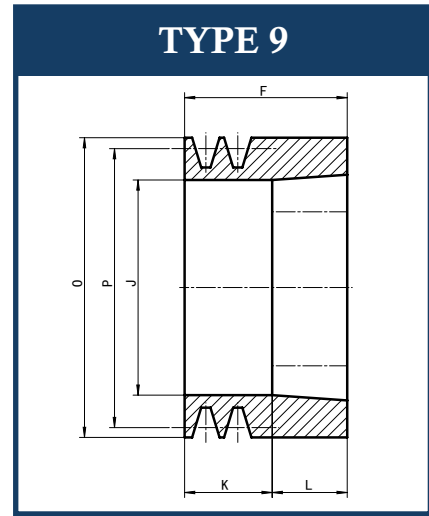
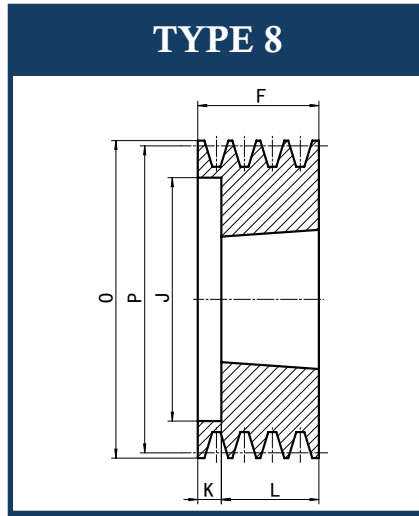
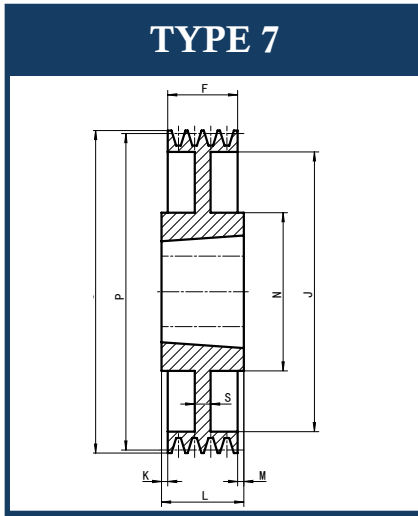
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 1000-03	3	1000	1007	4	4040	100	—	63	957	8	102	33	102	68.66
SPB 1250-03	3	1250	1257	4	4040	100	—	63	1207	8	102	33	102	103.08
SPC 200-03	3	200	209.6	3	2517	60	—	85	142	8	45	20	—	10.68
SPC 212-03	3	212	221.6	3	3020	75	—	85	154	8	51	17	—	11.45
SPC 224-03	3	224	233.6	3	3020	75	—	85	166	8	51	17	—	13.12
SPC 236-03	3	236	245.6	3	3020	75	—	85	178	8	51	17	—	14.87
SPC 250-03	3	250	259.6	3	3020	75	—	85	192	8	51	17	—	17.02
SPC 265-03	3	265	274.6	1	3535	90	—	85	—	8	89	4	89	24.06
SPC 280-03	3	280	289.6	1	3535	90	—	85	—	8	89	4	89	27.91
SPC 300-03	3	300	309.6	7	3535	90	18	85	242	8	89	2	89	21.74
SPC 315-03	3	315	324.6	7	3535	90	18	85	257	8	89	2	89	23.42
SPC 335-03	3	335	344.6	7	3535	90	18	85	277	8	89	2	89	25.43
SPC 355-03	3	355	364.6	7	3535	90	18	85	297	8	89	2	89	27.51
SPC 375-03	3	375	384.6	7	3535	90	18	85	317	8	89	2	89	29.69
SPC 400-03	3	400	409.6	4	3535	90	—	85	342	8	89	2	89	27.67
SPC 425-03	3	425	434.6	4	3535	90	—	85	367	8	89	2	89	29.34
SPC 450-03	3	450	459.6	4	3535	90	—	85	392	8	89	2	89	31.00
SPC 475-03	3	475	484.6	4	3535	90	—	85	417	8	89	2	89	34.93
SPC 500-03	3	500	509.6	4	3535	90	—	85	442	8	89	2	89	36.82
SPC 530-03	3	530	539.6	4	3535	90	—	85	472	8	89	2	89	39.09
SPC 560-03	3	560	569.6	4	3535	90	—	85	502	8	89	2	89	41.36
SPC 630-03	3	630	639.6	4	4040	100	—	85	572	8	102	8.5	102	52.00
SPC 710-03	3	710	719.6	4	4040	100	—	85	652	8	102	8.5	102	58.35

Taper Bored V-Belt Pulleys

4-Grooves



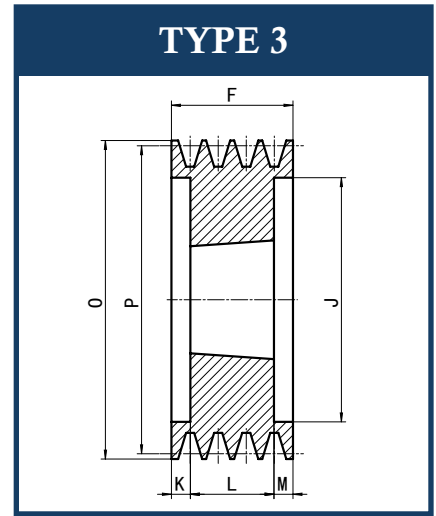
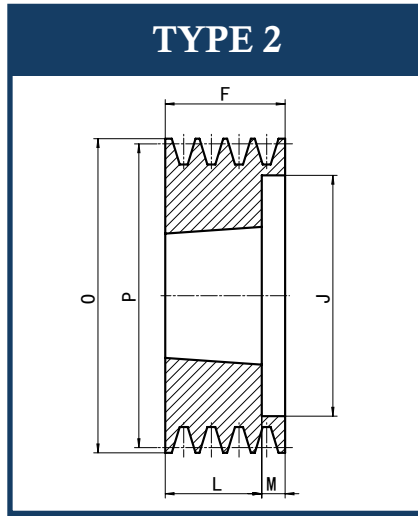
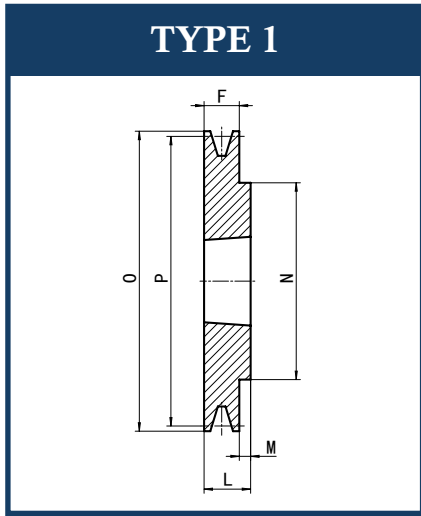
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPC 800-03	3	800	809.6	4	4545	110	—	85	737	8	114	25	114	74.53
SPC 1000-03	3	1000	1009.6	4	5050	125	—	85	937	8	127	34	127	103.90
SPC 1250-03	3	1250	1259.6	4	5050	125	—	85	1187	8	127	34	127	139.56
SPZ 80-04	4	80	84	8	1210	32	—	52	55	8	25	—	—	0.87
SPZ 85-04	4	85	89	8	1610	42	—	52	60	8	25	—	—	0.86
SPZ 90-04	4	90	94	8	1610	42	—	52	64	8	25	—	—	1.03
SPZ 95-04	4	95	99	8	1610	42	—	52	67	8	25	—	—	1.23
SPZ 100-04	4	100	104	8	1610	42	—	52	72	8	25	—	—	1.40
SPZ 106-04	4	106	110	8	1610	42	—	52	78	8	25	—	—	1.61
SPZ 112-04	4	112	116	8	2012	50	—	52	84	8	32	—	—	1.72
SPZ 118-04	4	118	122	8	2012	50	—	52	90	8	32	—	—	1.99
SPZ 125-04	4	125	129	2	2012	50	—	52	97	8	32	20	—	2.33
SPZ 132-04	4	132	136	2	2012	50	—	52	104	8	32	20	—	2.69
SPZ 140-04	4	140	144	2	2012	50	—	52	112	8	32	20	—	3.12
SPZ 150-04	4	150	154	2	2517	60	—	52	122	8	45	7	—	3.86
SPZ 160-04	4	160	164	2	2517	60	—	52	132	8	45	7	—	4.66
SPZ 170-04	4	170	174	2	2517	60	—	52	142	8	45	7	—	5.52
SPZ 180-04	4	180	184	2	2517	60	—	52	152	8	45	7	—	6.42
SPZ 190-04	4	190	194	6	2517	60	10	52	162	8	45	3.5	45	4.95
SPZ 200-04	4	200	204	6	2517	60	10	52	172	8	45	3.5	45	5.28
SPZ 224-04	4	224	228	6	2517	60	10	52	196	8	45	3.5	45	6.12
SPZ 250-04	4	250	254	5	2517	60	—	52	222	8	45	3.5	45	6.96
SPZ 280-04	4	280	284	5	2517	60	—	52	252	8	45	3.5	45	7.84



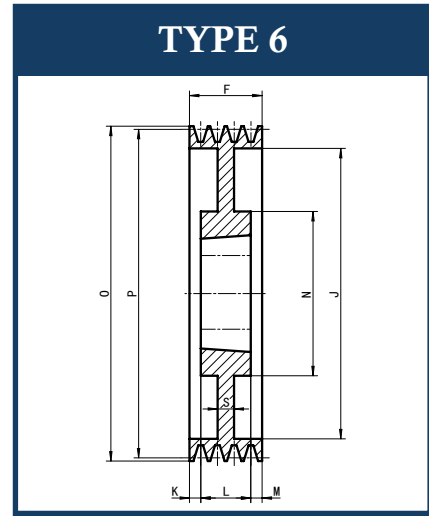
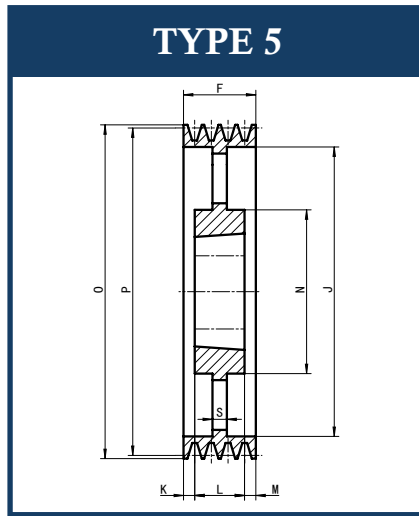
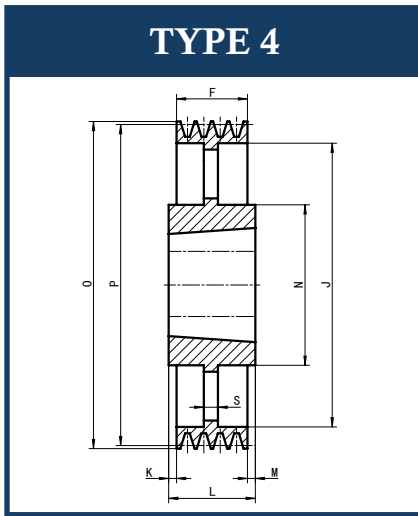
PART NO.	GROOVE	P.D.	O.D.	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 315-04	4	315	319	5	2517	60	—	52	287	8	45	3.5	45	8.87
SPZ 355-04	4	355	359	5	2517	60	—	52	327	8	45	3.5	45	10.05
SPZ 400-04	4	400	404	5	2517	60	—	52	372	8	45	3.5	45	11.37
SPZ 450-04	4	450	454	5	3020	75	—	52	422	8	51	0.5	51	13.89
SPZ 500-04	4	500	504	5	3020	75	—	52	472	8	51	0.5	51	17.57
SPZ 630-04	4	630	634	4	3030	75	—	52	602	8	76	12	76	25.97
SPZ 800-04	4	800	804	4	3030	75	—	52	772	8	76	12	76	32.85
SPA 90-04	4	90	95.5	8	1615	42	—	65	60	8	38	—	—	1.29
SPA 95-04	4	95	100.5	8	1615	42	—	65	64	8	38	—	—	1.53
SPA 100-04	4	100	105.5	2	1615	42	—	65	70	8	38	27	—	1.74
SPA 106-04	4	106	111.5	8	2012	50	—	65	76	8	32	—	—	1.64
SPA 112-04	4	112	117.5	8	2012	50	—	65	80	8	32	—	—	1.98
SPA 118-04	4	118	123.5	2	2012	50	—	65	86	8	32	33	—	2.32
SPA 125-04	4	125	130.5	2	2012	50	—	65	92	8	32	33	—	2.71
SPA 132-04	4	132	137.5	2	2517	60	—	65	98	8	45	20	—	2.90
SPA 140-04	4	140	145.5	2	2517	60	—	65	106	8	45	20	—	3.49
SPA 150-04	4	150	155.5	2	2517	60	—	65	116	8	45	20	—	4.27
SPA 160-04	4	160	165.5	2	2517	60	—	65	126	8	45	20	—	5.11
SPA 170-04	4	170	175.5	2	2517	60	—	65	136	8	45	20	—	5.99
SPA 180-04	4	180	185.5	2	2517	60	—	65	146	8	45	20	—	6.93
SPA 190-04	4	190	195.5	2	2517	60	—	65	156	8	45	20	—	7.93
SPA 200-04	4	200	205.5	2	3020	75	—	65	166	8	51	14	—	8.43
SPA 212-04	4	212	217.5	2	3020	75	—	65	178	8	51	14	—	9.90

Taper Bored V-Belt Pulleys

4-Grooves



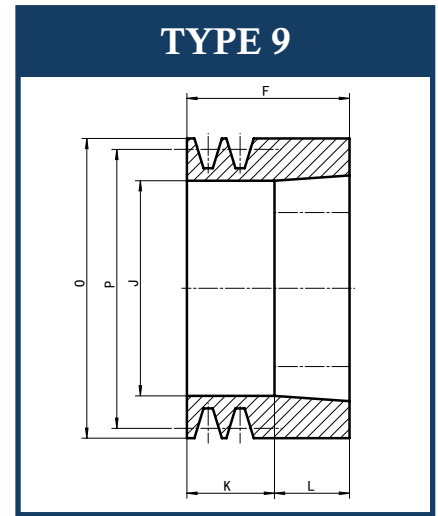
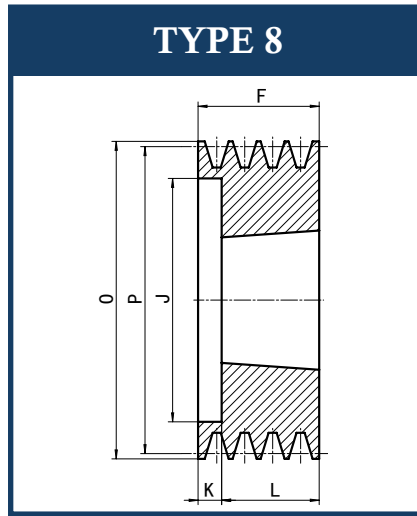
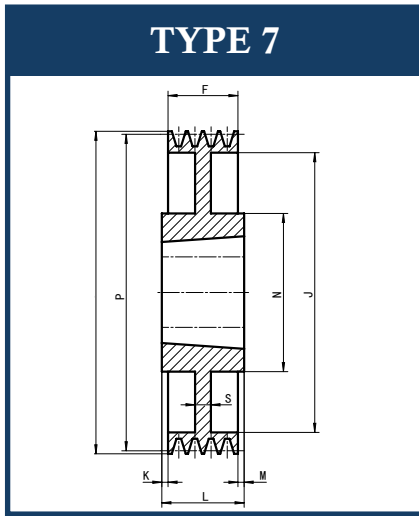
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPA 224-04	4	224	229.5	2	3020	75	—	65	190	8	51	14	—	11.46
SPA 236-04	4	236	241.5	6	3020	75	14	65	202	8	51	14	51	9.13
SPA 250-04	4	250	255.5	6	3020	75	14	65	216	8	51	7	51	9.88
SPA 280-04	4	280	285.5	6	3020	75	14	65	246	8	51	7	51	11.61
SPA 300-04	4	300	305.5	6	3020	75	14	65	266	8	51	7	51	12.84
SPA 315-04	4	315	320.5	6	3020	75	14	65	281	8	51	7	51	13.81
SPA 355-04	4	355	360.5	5	3020	75	—	65	321	8	51	7	51	13.61
SPA 400-04	4	400	405.5	5	3020	75	—	65	366	8	51	7	51	15.35
SPA 450-04	4	450	455.5	5	3020	75	—	65	416	8	51	7	51	17.28
SPA 500-04	4	500	505.5	5	3020	75	—	65	466	8	51	7	51	21.80
SPA 560-04	4	560	565.5	4	3535	90	—	65	526	8	89	12	89	27.91
SPA 630-04	4	630	635.5	4	3535	90	—	65	596	8	89	12	89	33.21
SPA 800-04	4	800	805.5	4	3535	90	—	65	766	8	89	12	89	42.98
SPA 1000-04	4	1000	1005.5	4	4040	100	—	65	966	8	102	18.5	102	64.66
SPA 1250-04	4	1250	1255.5	4	4545	110	—	65	1216	8	114	24.5	114	104.55
SPB 125-04	4	125	132	3	2012	50	—	82	82	8	32	25	—	3.45
SPB 132-04	4	132	139	3	2012	50	—	82	89	8	32	25	—	3.89
SPB 140-04	4	140	147	3	2517	60	—	82	97	8	45	18.5	—	5.13
SPB 150-04	4	150	157	3	2517	60	—	82	107	8	45	18.5	—	5.01
SPB 160-04	4	160	167	3	2517	60	—	82	117	8	45	18.5	—	5.90
SPB 170-04	4	170	177	3	2517	60	—	82	127	8	45	18.5	—	6.85
SPB 180-04	4	180	187	3	2517	60	—	82	137	8	45	18.5	—	7.85
SPB 190-04	4	190	197	3	2517	60	—	82	147	8	45	18.5	—	9.01



PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 200-04	4	200	207	3	3020	75	—	82	157	8	51	15.5	—	9.48
SPB 212-04	4	212	219	3	3020	75	—	82	169	8	51	15.5	—	11.03
SPB 224-04	4	224	231	3	3020	75	—	82	181	8	51	15.5	—	12.66
SPB 236-04	4	236	243	3	3020	75	—	82	193	8	51	15.5	—	14.37
SPB 250-04	4	250	257	6	3020	75	14	82	207	8	51	15.5	51	12.06
SPB 265-04	4	265	272	6	3020	75	14	82	222	8	51	15.5	51	13.06
SPB 280-04	4	280	287	6	3020	75	16	82	237	8	51	15.5	51	14.49
SPB 300-04	4	300	307	6	3020	75	16	82	257	8	51	15.5	51	16.03
SPB 315-04	4	315	322	7	3535	90	16	82	272	8	89	3.5	89	20.39
SPB 335-04	4	335	342	7	3535	90	16	82	292	8	89	3.5	89	22.07
SPB 355-04	4	355	362	7	3535	90	16	82	312	8	89	3.5	89	23.82
SPB 375-04	4	375	382	5	3525	90	—	82	332	8	64	9	64	20.08
SPB 400-04	4	400	407	4	3535	90	—	82	357	8	89	3.5	89	23.58
SPB 425-04	4	425	432	4	3535	90	—	82	382	8	89	3.5	89	24.93
SPB 450-04	4	450	457	4	3535	90	—	82	407	8	89	7	89	26.28
SPB 500-04	4	500	507	4	3535	90	—	82	457	8	89	7	89	31.60
SPB 560-04	4	560	567	4	3535	90	—	82	517	8	89	7	89	35.37
SPB 630-04	4	630	637	4	3535	90	—	82	587	8	89	7	89	41.39
SPB 710-04	4	710	717	4	3535	90	—	82	667	8	89	3.5	89	46.73
SPB 800-04	4	800	807	4	4040	100	—	82	757	8	102	16	102	57.66
SPB 900-04	4	900	907	4	4040	100	—	82	857	8	102	16	102	71.84
SPB 1000-04	4	1000	1007	4	4040	100	—	82	957	8	102	16	102	79.78
SPB 1250-04	4	1250	1257	4	4545	110	—	82	1207	8	114	26	114	115.53

Taper Bored V-Belt Pulleys

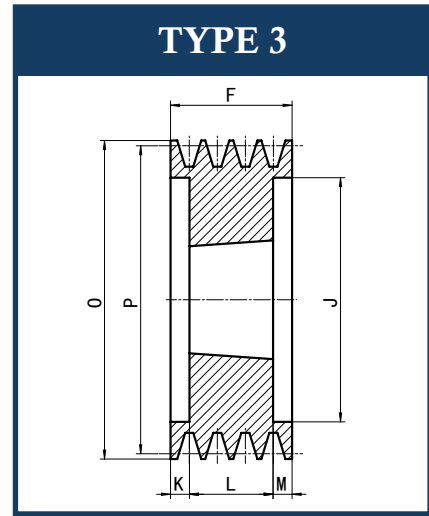
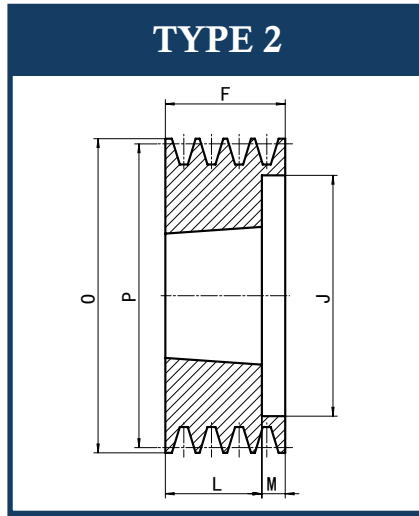
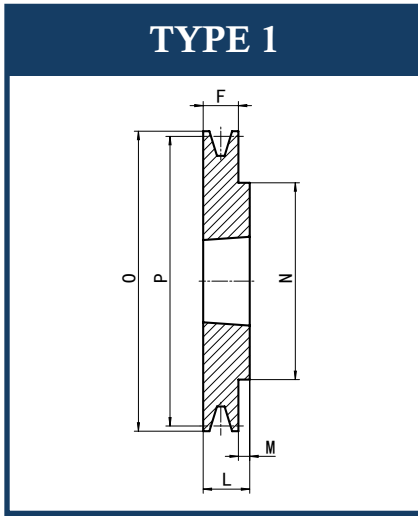
4-Grooves



PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPC 200-04	4	200	209.6	3	3020	75	—	111	142	8	51	30	—	11.95
SPC 212-04	4	212	221.6	3	3020	75	—	111	154	8	51	30	—	13.68
SPC 224-04	4	224	233.6	3	3535	90	—	111	166	8	89	11	—	17.02
SPC 236-04	4	236	245.6	3	3535	90	—	111	178	8	89	11	—	19.84
SPC 250-04	4	250	259.6	3	3535	90	—	111	192	8	89	11	—	23.32
SPC 265-04	4	265	274.6	6	3535	90	18	111	207	8	89	11	89	21.46
SPC 280-04	4	280	289.6	6	3535	90	18	111	222	8	89	11	89	22.97
SPC 300-04	4	300	309.6	6	3535	90	18	111	242	8	89	11	89	25.06
SPC 315-04	4	315	324.6	6	3535	90	18	111	257	8	89	11	89	27.01
SPC 335-04	4	335	344.6	6	3535	90	18	111	277	8	89	11	89	29.27
SPC 355-04	4	355	364.6	6	3535	90	18	111	297	8	89	11	89	31.61
SPC 375-04	4	375	384.6	6	3535	90	18	111	317	8	89	11	89	34.04
SPC 400-04	4	400	409.6	5	3535	90	—	111	342	8	89	11	89	33.08
SPC 425-04	4	425	434.6	5	3535	90	—	111	367	8	89	11	89	35.18
SPC 450-04	4	450	459.6	5	3535	90	—	111	392	8	89	11	89	37.27
SPC 475-04	4	475	484.6	5	3535	90	—	111	417	8	89	11	89	42.82
SPC 500-04	4	500	509.6	5	3535	90	—	111	442	8	89	11	89	45.25
SPC 530-04	4	530	539.6	5	3535	90	—	111	472	8	89	11	89	48.18
SPC 560-04	4	560	569.6	5	4040	100	—	111	502	8	102	4.5	102	54.74
SPC 630-04	4	630	639.6	4	4545	110	—	111	572	8	114	1.5	114	67.85
SPC 710-04	4	710	719.6	4	4545	110	—	111	652	8	114	1.5	114	76.10
SPC 800-04	4	800	809.6	4	5050	125	—	111	737	8	127	12	127	95.39
SPC 1000-04	4	1000	1009.6	4	5050	125	—	111	937	8	127	12	127	124.34

All dimensions in millimeters unless otherwise stated.

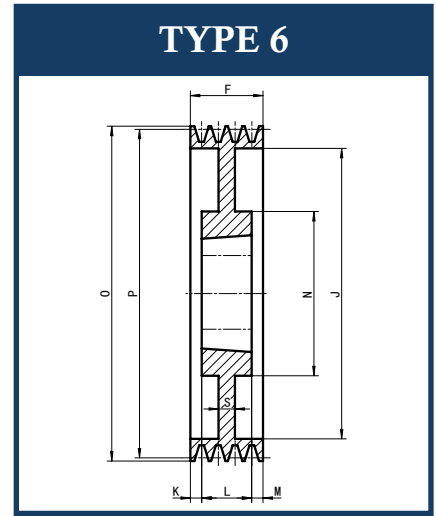
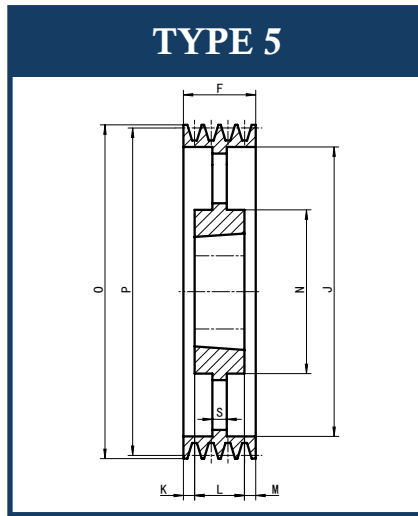
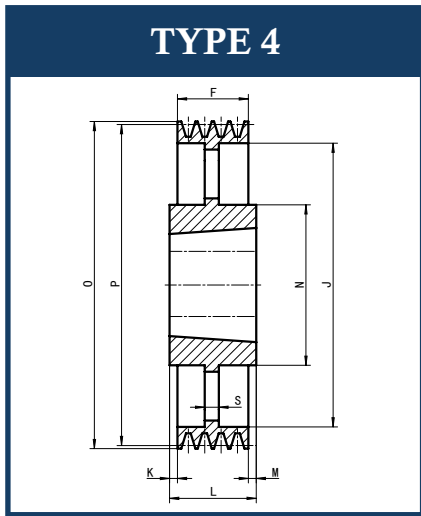
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.



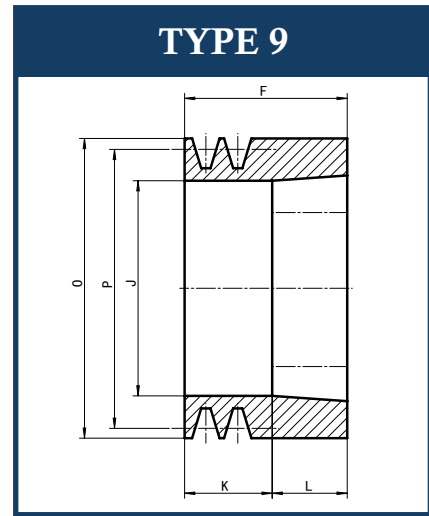
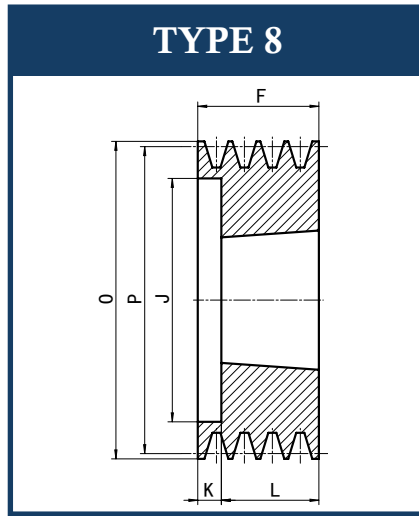
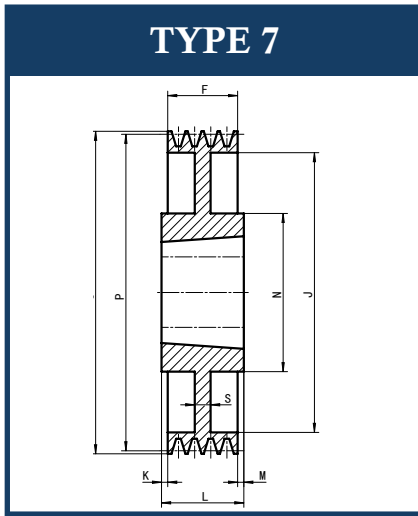
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPC 1250-04	4	1250	1259.6	4	5050	125	—	111	1187	8	127	12	127	165.29
SPZ 85-05	5	85	89	8	1610	42	—	64	60	8	25	—	—	1.04
SPZ 90-05	5	90	94	8	1610	42	—	64	64	8	25	—	—	1.23
SPZ 95-05	5	95	99	8	1610	42	—	64	67	8	25	—	—	1.46
SPZ 100-05	5	100	104	8	2012	50	—	64	72	8	32	—	—	1.45
SPZ 106-05	5	106	110	8	2012	50	—	64	79	8	32	—	—	1.69
SPZ 112-05	5	112	116	8	2012	50	—	64	84	8	32	—	—	2.00
SPZ 118-05	5	118	122	8	2012	50	—	64	90	8	32	—	—	2.29
SPZ 125-05	5	125	129	8	2012	50	—	64	97	8	32	—	—	2.65
SPZ 132-05	5	132	136	8	2517	60	—	64	104	8	45	—	—	2.89
SPZ 140-05	5	140	144	2	2517	60	—	64	112	8	45	19	—	3.47
SPZ 150-05	5	150	154	2	2517	60	—	64	122	8	45	19	—	4.25
SPZ 160-05	5	160	164	2	2517	60	—	64	132	8	45	19	—	5.08
SPZ 170-05	5	170	174	2	2517	60	—	64	142	8	45	19	—	5.97
SPZ 180-05	5	180	184	2	2517	60	—	64	152	8	45	19	—	6.90
SPZ 190-05	5	190	194	6	2517	60	12	64	162	8	45	9.5	45	5.60
SPZ 200-05	5	200	204	6	2517	60	12	64	172	8	45	9.5	45	6.00
SPZ 224-05	5	224	228	6	2517	60	12	64	196	8	45	9.5	45	7.01
SPZ 250-05	5	250	254	5	2517	60	—	64	222	8	45	9.5	45	7.64
SPZ 280-05	5	280	284	5	2517	60	—	64	252	8	45	9.5	45	8.61
SPZ 315-05	5	315	319	5	2517	60	—	64	287	8	45	9.5	45	10.23
SPZ 355-05	5	355	359	5	2517	60	—	64	327	8	45	9.5	45	11.64
SPZ 400-05	5	400	404	5	3020	75	—	64	372	8	51	6.5	51	14.20

Taper Bored V-Belt Pulleys

5-Grooves



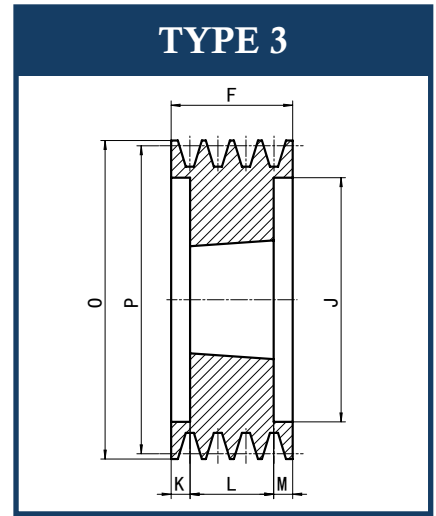
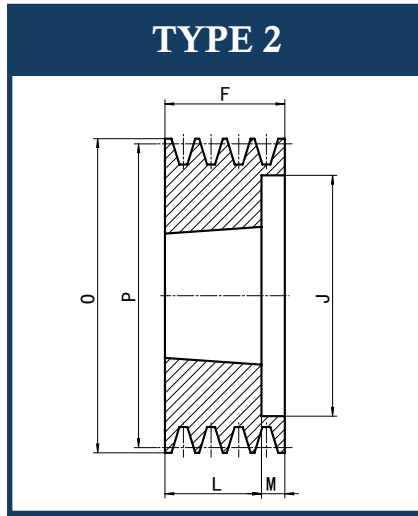
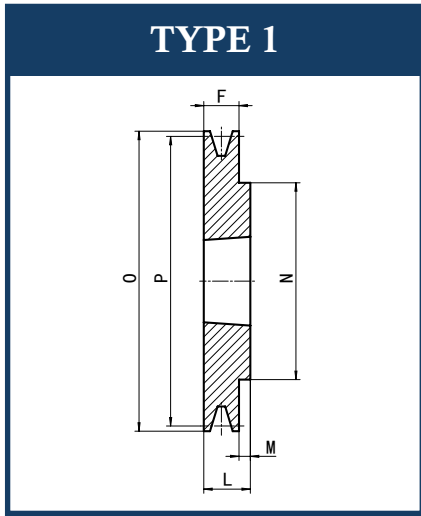
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 450-05	5	450	454	5	3020	75	—	64	422	8	51	6.5	51	15.96
SPZ 500-05	5	500	504	4	3030	75	—	64	472	8	76	6	76	22.14
SPZ 630-05	5	630	634	4	3030	75	—	64	602	8	76	6	76	29.90
SPZ 800-05	5	800	804	4	3535	90	—	64	772	8	89	12.5	89	39.51
SPA 100-05	5	100	105.5	2	1615	42	—	80	70	8	38	42	—	2.03
SPA 106-05	5	106	111.5	8	2012	50	—	80	76	8	32	—	—	1.95
SPA 112-05	5	112	117.5	8	2012	50	—	80	80	8	32	—	—	2.34
SPA 118-05	5	118	123.5	2	2012	50	—	80	86	8	32	48	—	2.71
SPA 125-05	5	125	130.5	3	2012	50	—	80	92	8	32	24	—	3.15
SPA 132-05	5	132	137.5	3	2517	60	—	80	98	8	45	17.5	—	3.39
SPA 140-05	5	140	145.5	3	2517	60	—	80	106	8	45	17.5	—	4.01
SPA 150-05	5	150	155.5	3	2517	60	—	80	116	8	45	17.5	—	4.83
SPA 160-05	5	160	165.5	3	2517	60	—	80	126	8	45	17.5	—	5.71
SPA 170-05	5	170	175.5	3	3020	75	—	80	136	8	51	14.5	—	5.78
SPA 180-05	5	180	185.5	3	3020	75	—	80	146	8	51	14.5	—	6.87
SPA 190-05	5	190	195.5	3	3020	75	—	80	156	8	51	14.5	—	8.01
SPA 200-05	5	200	205.5	3	3020	75	—	80	166	8	51	14.5	—	9.21
SPA 212-05	5	212	217.5	2	3020	75	—	80	178	8	51	29	—	10.73
SPA 224-05	5	224	229.5	2	3020	75	—	80	190	8	51	29	—	12.34
SPA 236-05	5	236	241.5	2	3020	75	—	80	202	8	51	29	—	14.03
SPA 250-05	5	250	255.5	6	3020	75	14	80	216	8	51	14.5	51	10.88
SPA 280-05	5	280	285.5	7	3535	90	14	80	246	8	89	4.5	89	15.95
SPA 300-05	5	300	305.5	7	3535	90	14	80	266	8	89	4.5	89	17.27



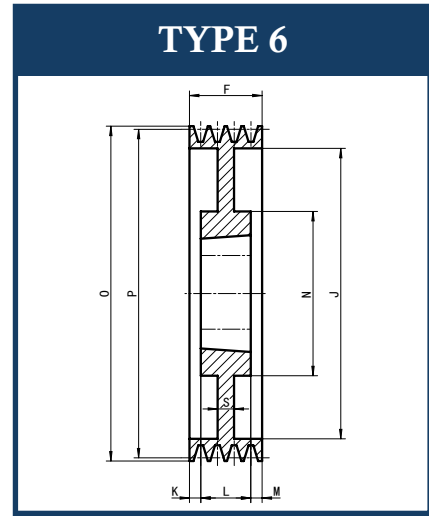
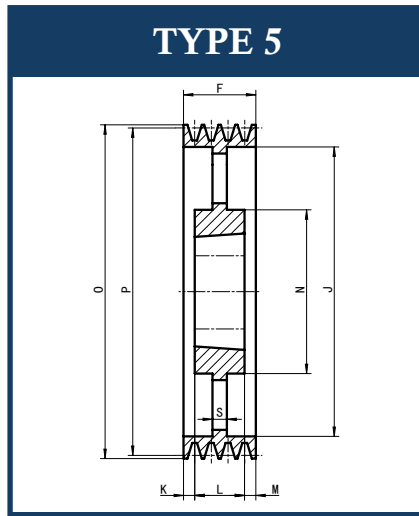
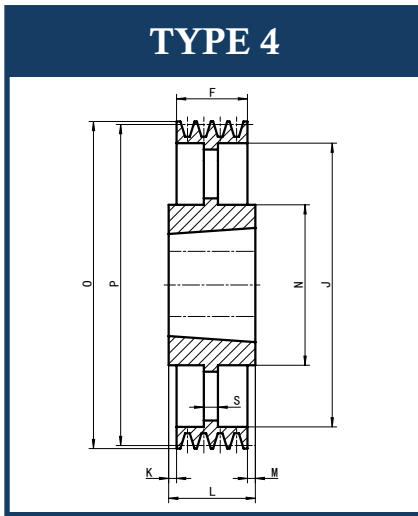
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPA 315-05	5	315	320.5	7	3535	90	14	80	281	8	89	4.5	89	18.30
SPA 355-05	5	355	360.5	4	3535	90	—	80	321	8	89	4.5	89	19.11
SPA 400-05	5	400	405.5	4	3535	90	—	80	366	8	89	4.5	89	21.22
SPA 450-05	5	450	455.5	4	3535	90	—	80	416	8	89	4.5	89	23.56
SPA 500-05	5	500	505.5	4	3535	90	—	80	466	8	89	4.5	89	28.60
SPA 560-05	5	560	565.5	4	3535	90	—	80	526	8	89	4.5	89	31.94
SPA 630-05	5	630	635.5	4	3535	90	—	80	596	8	89	4.5	89	37.49
SPA 800-05	5	800	805.5	4	4040	100	—	80	766	8	102	11	102	52.55
SPA 1000-05	5	1000	1005.5	4	4545	110	—	80	966	8	114	17	114	77.52
SPB 125-05	5	125	132	8	2012	50	—	101	82	8	32	—	—	4.13
SPB 132-05	5	132	139	8	2517	60	—	101	89	8	45	—	—	5.22
SPB 140-05	5	140	147	3	2517	60	—	101	97	8	45	28	—	5.91
SPB 150-05	5	150	157	3	2517	60	—	101	107	8	45	28	—	5.85
SPB 160-05	5	160	167	3	2517	60	—	101	117	8	45	28	—	6.81
SPB 170-05	5	170	177	3	3020	75	—	101	127	8	51	25	—	6.89
SPB 180-05	5	180	187	3	3020	75	—	101	137	8	51	25	—	8.05
SPB 190-05	5	190	197	3	3020	75	—	101	147	8	51	25	—	9.40
SPB 200-05	5	200	207	3	3020	75	—	101	157	8	51	25	—	10.69
SPB 212-05	5	212	219	3	3020	75	—	101	169	8	51	25	—	12.32
SPB 224-05	5	224	231	3	3020	75	—	101	181	8	51	25	—	14.03
SPB 236-05	5	236	243	3	3535	90	—	101	193	8	89	6	—	19.51
SPB 250-05	5	250	257	3	3535	90	—	101	207	8	89	6	—	22.97
SPB 280-05	5	280	287	6	3535	90	16	101	237	8	89	6	89	19.38

Taper Bored V-Belt Pulleys

5-Grooves



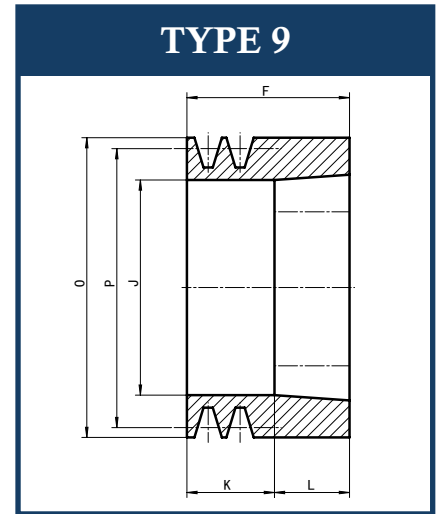
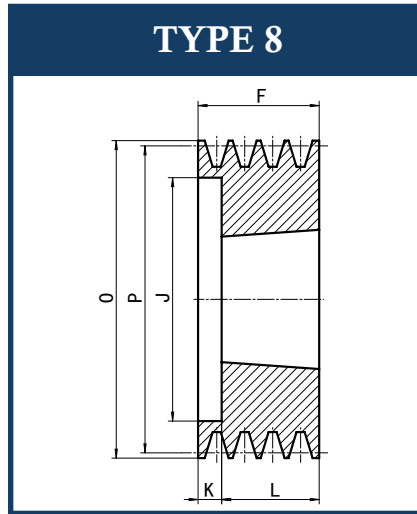
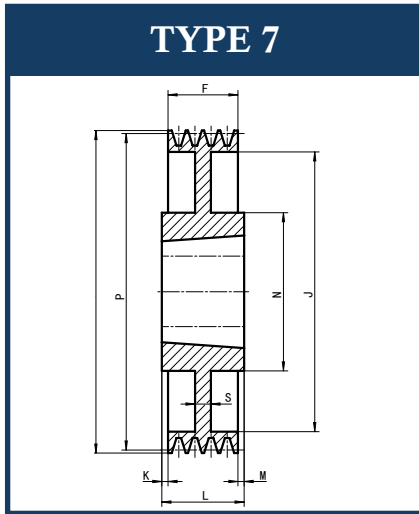
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 300-05	5	300	307	6	3535	90	16	101	257	8	89	6	89	21.07
SPB 315-05	5	315	322	6	3535	90	16	101	272	8	89	6	89	22.38
SPB 335-05	5	335	342	6	3535	90	16	101	292	8	89	6	89	24.20
SPB 355-05	5	355	362	5	3535	90	—	101	312	8	89	6	89	24.04
SPB 375-05	5	375	382	5	3535	90	—	101	332	8	89	6	89	25.35
SPB 400-05	5	400	407	5	3535	90	—	101	357	8	89	6	89	26.98
SPB 450-05	5	450	457	5	3535	90	—	101	407	8	89	12	89	30.23
SPB 500-05	5	500	507	5	3535	90	—	101	457	8	89	12	89	37.49
SPB 560-05	5	560	567	4	4040	100	—	101	517	8	102	1	102	45.87
SPB 630-05	5	630	637	4	4040	100	—	101	587	8	102	1	102	53.63
SPB 710-05	5	710	717	4	4040	100	—	101	667	8	102	0.5	102	60.39
SPB 800-05	5	800	807	4	4040	100	—	101	757	8	102	0.5	102	69.25
SPB 900-05	5	900	907	4	4545	110	—	101	857	8	114	6.5	114	88.13
SPB 1000-05	5	1000	1007	4	4545	110	—	101	957	8	114	6.5	114	97.70
SPB 1250-05	5	1250	1257	4	4545	110	—	101	1207	8	114	6.5	114	132.70
SPC 200-05	5	200	209.6	3	3535	90	—	136	142	8	89	23.5	—	13.77
SPC 212-05	5	212	221.6	3	3535	90	—	136	154	8	89	23.5	—	16.43
SPC 224-05	5	224	233.6	3	3535	90	—	136	166	8	89	23.5	—	19.24
SPC 236-05	5	236	245.6	3	3535	90	—	136	178	8	89	23.5	—	22.19
SPC 250-05	5	250	259.6	3	3535	90	—	136	192	8	89	23.5	—	25.84
SPC 265-05	5	265	274.6	3	3535	90	—	136	207	8	89	23.5	—	29.97
SPC 280-05	5	280	289.6	3	3535	90	—	136	222	8	89	23.5	—	34.33
SPC 300-05	5	300	309.6	6	3535	90	18	136	242	8	89	23.5	89	28.16



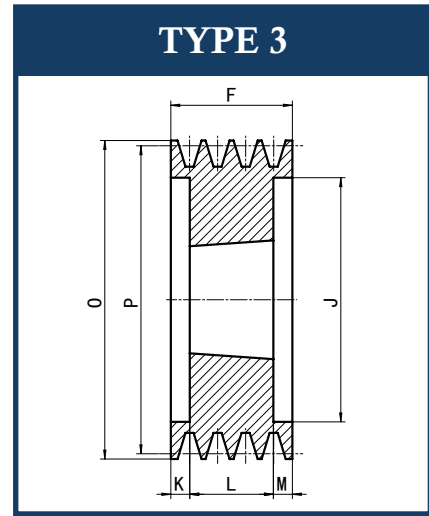
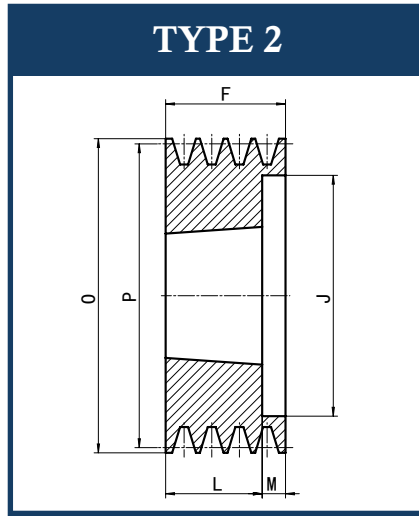
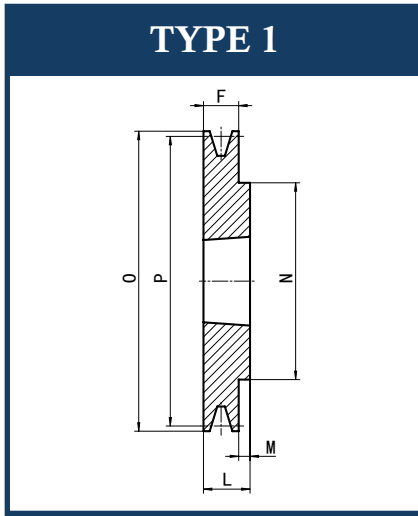
PART NO.	GROOVE	P.D.	O.D.	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPC 315-05	5	315	324.6	6	3535	90	18	136	257	8	89	23.5	89	30.37
SPC 335-05	5	335	344.6	6	3535	90	18	136	277	8	89	23.5	89	32.87
SPC 355-05	5	355	364.6	6	3535	90	18	136	297	8	89	23.5	89	35.45
SPC 375-05	5	375	384.6	6	3535	90	18	136	317	8	89	23.5	89	38.12
SPC 400-05	5	400	409.6	5	3535	90	—	136	342	8	89	23.5	89	38.31
SPC 425-05	5	425	434.6	5	4040	100	—	136	367	8	102	17	102	44.70
SPC 450-05	5	450	459.6	5	4040	100	—	136	392	8	102	17	102	47.21
SPC 475-05	5	475	484.6	5	4040	100	—	136	417	8	102	17	102	53.02
SPC 500-05	5	500	509.6	5	4040	100	—	136	442	8	102	17	102	55.90
SPC 530-05	5	530	539.6	5	4040	100	—	136	472	8	102	17	102	59.35
SPC 560-05	5	560	569.6	5	4545	110	—	136	502	8	114	11	114	66.92
SPC 630-05	5	630	639.6	5	5050	125	—	136	572	8	127	4.5	127	82.23
SPC 710-05	5	710	719.6	5	5050	125	—	136	652	8	127	4.5	127	92.17
SPC 800-05	5	800	809.6	5	5050	125	—	136	737	8	127	4.5	127	110.41
SPC 1000-05	5	1000	1009.6	5	5050	125	—	136	937	8	127	4.5	127	143.29
SPC 1250-05	5	1250	1259.6	5	5050	125	—	136	1187	8	127	4.5	127	188.54
SPZ 90-06	6	90	94	8	1610	42	—	76	64	8	25	—	—	1.43
SPZ 95-06	6	95	99	8	1610	42	—	76	67	8	25	—	—	1.69
SPZ 100-06	6	100	104	8	2012	50	—	76	72	8	32	—	—	1.70
SPZ 106-06	6	106	110	8	2012	50	—	76	79	8	32	—	—	1.94
SPZ 112-06	6	112	116	8	2012	50	—	76	84	8	32	—	—	2.28
SPZ 118-06	6	118	122	8	2517	60	—	76	90	8	45	—	—	2.24
SPZ 125-06	6	125	129	8	2517	60	—	76	97	8	45	—	—	2.72

Taper Bored V-Belt Pulleys

6-Grooves



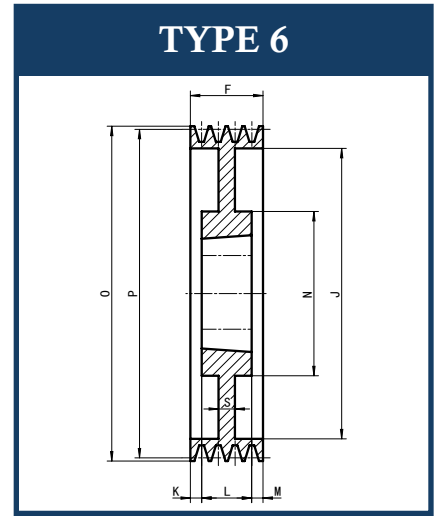
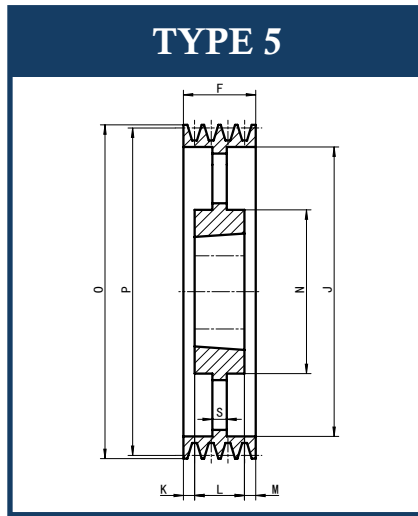
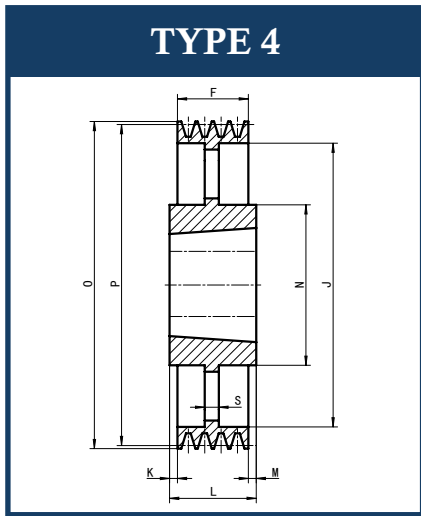
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPZ 132-06	6	132	136	8	2517	60	—	76	104	8	45	—	—	3.23
SPZ 140-06	6	140	144	2	2517	60	—	76	112	8	45	31	—	3.84
SPZ 150-06	6	150	154	2	2517	60	—	76	122	8	45	31	—	4.64
SPZ 160-06	6	160	164	2	2517	60	—	76	132	8	45	31	—	5.50
SPZ 170-06	6	170	174	2	2517	60	—	76	142	8	45	31	—	6.42
SPZ 180-06	6	180	184	3	2517	60	—	76	152	8	45	15.5	—	7.38
SPZ 190-06	6	190	194	6	2517	60	14	76	162	8	45	15.5	45	6.25
SPZ 200-06	6	200	204	6	2517	60	14	76	172	8	45	15.5	45	6.72
SPZ 224-06	6	224	228	6	2517	60	14	76	196	8	45	15.5	45	7.90
SPZ 250-06	6	250	254	5	2517	60	—	76	222	8	45	15.5	45	8.63
SPZ 280-06	6	280	284	5	2517	60	—	76	252	8	45	15.5	45	9.78
SPZ 315-06	6	315	319	5	2517	60	—	76	287	8	45	15.5	45	11.76
SPZ 355-06	6	355	359	5	2517	60	—	76	327	8	45	15.5	45	13.44
SPZ 400-06	6	400	404	5	3030	75	—	76	372	8	76	—	76	17.98
SPZ 450-06	6	450	454	5	3030	75	—	76	422	8	76	—	76	20.08
SPZ 500-06	6	500	504	5	3030	75	—	76	472	8	76	—	76	25.08
SPZ 630-06	6	630	634	4	3535	90	—	76	602	8	89	6.5	89	35.67
SPZ 800-06	6	800	804	4	3535	90	—	76	772	8	89	6.5	89	45.23
SPA 100-06	6	100	105.5	3	1615	42	—	95	70	8	38	28.5	—	2.32
SPA 106-06	6	106	111.5	8	2012	50	—	95	76	8	32	—	—	2.27
SPA 112-06	6	112	117.5	8	2012	50	—	95	80	8	32	—	—	2.70
SPA 118-06	6	118	123.5	8	2012	50	—	95	86	8	32	—	—	3.11
SPA 125-06	6	125	130.5	3	2012	50	—	95	92	8	32	31.5	—	3.59



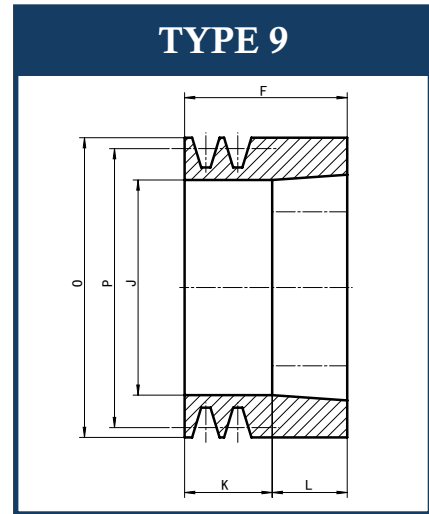
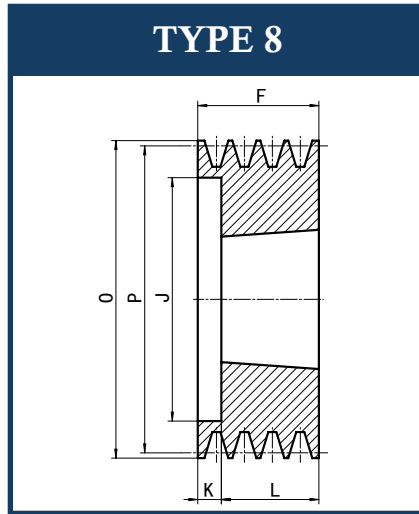
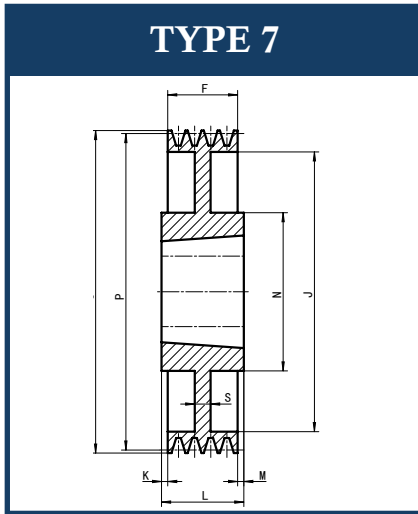
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPA 132-06	6	132	137.5	3	2517	60	—	95	98	8	45	25	—	3.87
SPA 140-06	6	140	145.5	3	2517	60	—	95	106	8	45	25	—	4.53
SPA 150-06	6	150	155.5	3	2517	60	—	95	116	8	45	25	—	5.40
SPA 160-06	6	160	165.5	3	2517	60	—	95	126	8	45	25	—	6.32
SPA 170-06	6	170	175.5	3	3020	75	—	95	136	8	51	22	—	6.43
SPA 180-06	6	180	185.5	3	3020	75	—	95	146	8	51	22	—	7.56
SPA 190-06	6	190	195.5	3	3020	75	—	95	156	8	51	22	—	8.75
SPA 200-06	6	200	205.5	3	3020	75	—	95	166	8	51	22	—	9.99
SPA 212-06	6	212	217.5	3	3020	75	—	95	178	8	51	22	—	11.56
SPA 224-06	6	224	229.5	3	3020	75	—	95	190	8	51	22	—	13.22
SPA 250-06	6	250	255.5	6	3020	75	18	95	216	8	51	22	51	12.44
SPA 280-06	6	280	285.5	6	3535	90	18	95	246	8	89	3	89	17.82
SPA 300-06	6	300	305.5	6	3535	90	18	95	266	8	89	3	89	19.46
SPA 315-06	6	315	320.5	6	3535	90	18	95	281	8	89	3	89	20.75
SPA 355-06	6	355	360.5	5	3535	90	—	95	321	8	89	3	89	21.21
SPA 400-06	6	400	405.5	5	3535	90	—	95	366	8	89	3	89	23.71
SPA 450-06	6	450	455.5	5	3535	90	—	95	416	8	89	3	89	26.48
SPA 500-06	6	500	505.5	5	3535	90	—	95	466	8	95	—	95	34.39
SPA 560-06	6	560	565.5	5	3535	90	—	95	526	8	89	3	89	37.52
SPA 630-06	6	630	635.5	4	4040	100	—	95	596	8	102	3.5	102	48.30
SPA 800-06	6	800	805.5	4	4040	100	—	95	766	8	102	3.5	102	62.27
SPA 1000-06	6	1000	1005.5	4	4545	110	—	95	966	8	114	9.5	114	88.87
SPB 140-06	6	140	147	3	2517	60	—	120	97	8	45	37.5	—	6.68

Taper Bored V-Belt Pulleys

6-Grooves



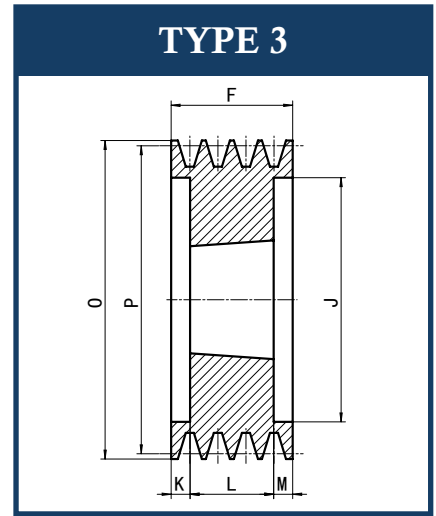
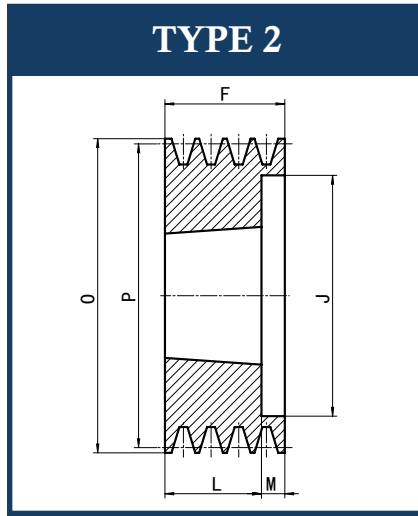
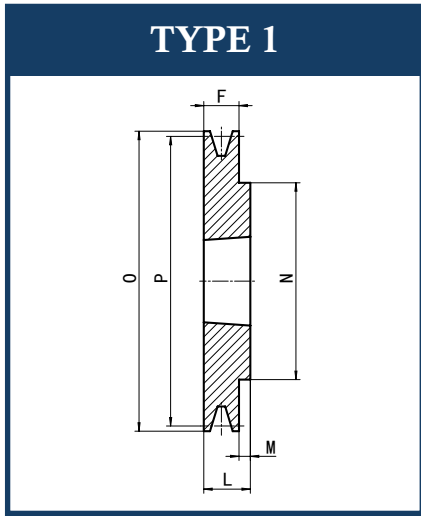
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 150-06	6	150	157	3	2517	60	—	120	107	8	45	37.5	—	6.69
SPB 160-06	6	160	167	3	3020	75	—	120	117	8	51	34.5	—	6.70
SPB 170-06	6	170	177	3	3020	75	—	120	127	8	51	34.5	—	7.87
SPB 180-06	6	180	187	3	3020	75	—	120	137	8	51	34.5	—	9.09
SPB 190-06	6	190	197	3	3020	75	—	120	147	8	51	34.5	—	10.54
SPB 200-06	6	200	207	3	3020	75	—	120	157	8	51	34.5	—	11.90
SPB 212-06	6	212	219	3	3535	90	—	120	169	8	89	15.5	—	15.36
SPB 224-06	6	224	231	3	3535	90	—	120	181	8	89	15.5	—	18.09
SPB 236-06	6	236	243	3	3535	90	—	120	193	8	89	15.5	—	20.97
SPB 250-06	6	250	257	3	3535	90	—	120	207	8	89	15.5	—	24.52
SPB 265-06	6	265	272	6	3525	90	18	120	222	8	64	28	64	17.91
SPB 280-06	6	280	287	6	3535	90	18	120	237	8	89	15.5	89	21.46
SPB 300-06	6	300	307	6	3535	90	18	120	257	8	89	15.5	89	23.40
SPB 315-06	6	315	322	6	3535	90	18	120	272	8	89	15.5	89	24.91
SPB 335-06	6	335	342	6	3535	90	18	120	292	8	89	15.5	89	27.00
SPB 355-06	6	355	362	6	3535	90	18	120	312	8	89	15.5	89	29.17
SPB 375-06	6	375	382	5	3535	90	—	120	332	8	89	15.5	89	28.56
SPB 400-06	6	400	407	5	3535	90	—	120	357	8	89	15.5	89	30.48
SPB 425-06	6	425	432	5	4040	100	—	120	382	8	102	18	102	36.28
SPB 450-06	6	450	457	5	4040	100	—	120	407	8	102	18	102	38.20
SPB 500-06	6	500	507	5	4040	100	—	120	457	8	102	18	102	45.92
SPB 560-06	6	560	567	5	4040	100	—	120	517	8	102	18	102	51.40
SPB 630-06	6	630	637	5	4040	100	—	120	587	8	102	18	102	61.43



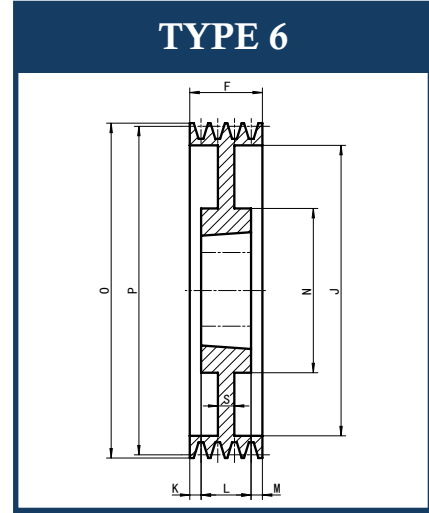
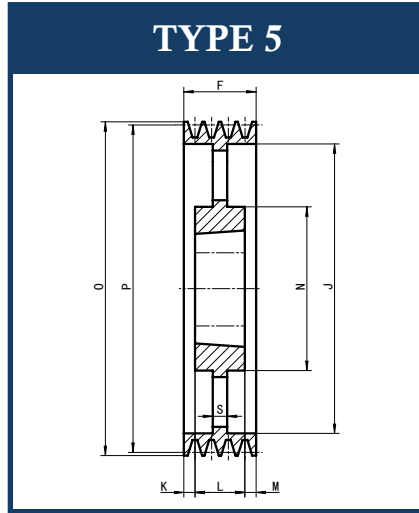
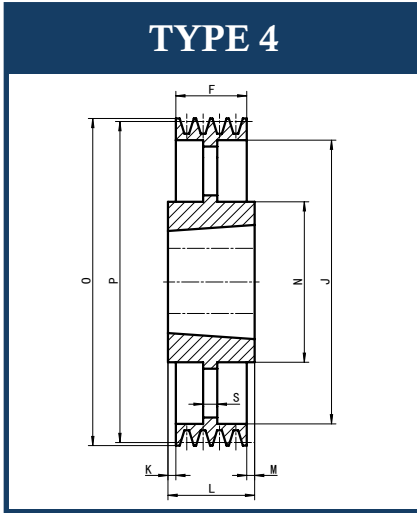
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 710-06	6	710	717	5	4040	100	—	120	667	8	102	9	102	69.48
SPB 800-06	6	800	807	5	4545	110	—	120	757	8	114	3	114	83.89
SPB 900-06	6	900	907	5	4545	110	—	120	857	8	114	3	114	99.65
SPB 1000-06	6	1000	1007	5	4545	110	—	120	957	8	114	3	114	110.76
SPB 1250-06	6	1250	1257	4	5050	125	—	120	1207	8	127	3.5	127	152.16
SPC 200-06	6	200	209.6	3	3535	90	—	162	142	8	89	36.5	—	15.84
SPC 212-06	6	212	221.6	3	3535	90	—	162	154	8	89	36.5	—	18.65
SPC 224-06	6	224	233.6	3	3535	90	—	162	166	8	89	36.5	—	21.61
SPC 236-06	6	236	245.6	3	3535	90	—	162	178	8	89	36.5	—	24.72
SPC 250-06	6	250	259.6	3	3535	90	—	162	192	8	89	36.5	—	28.53
SPC 265-06	6	265	274.6	3	3535	90	—	162	207	8	89	36.5	—	32.85
SPC 280-06	6	280	289.6	6	3535	90	18	162	222	8	89	36.5	89	28.91
SPC 300-06	6	300	309.6	6	3535	90	18	162	242	8	89	36.5	89	31.48
SPC 315-06	6	315	324.6	6	3535	90	18	162	257	8	89	36.5	89	33.96
SPC 335-06	6	335	344.6	6	3535	90	18	162	277	8	89	36.5	89	36.71
SPC 355-06	6	355	364.6	6	3535	90	18	162	297	8	89	36.5	89	39.55
SPC 375-06	6	375	384.6	6	4040	100	25	162	317	8	102	30	102	48.46
SPC 400-06	6	400	409.6	6	4040	100	25	162	342	8	102	30	102	52.90
SPC 425-06	6	425	434.6	6	4545	110	25	162	367	8	114	24	114	61.09
SPC 450-06	6	450	459.6	6	4545	110	25	162	392	8	114	24	114	65.90
SPC 475-06	6	475	484.6	6	4545	110	25	162	417	8	114	24	114	70.90
SPC 500-06	6	500	509.6	5	4545	110	—	162	442	8	114	24	114	65.97
SPC 530-06	6	530	539.6	5	4545	110	—	162	472	8	114	24	114	69.80

Taper Bored V-Belt Pulleys

8-Grooves



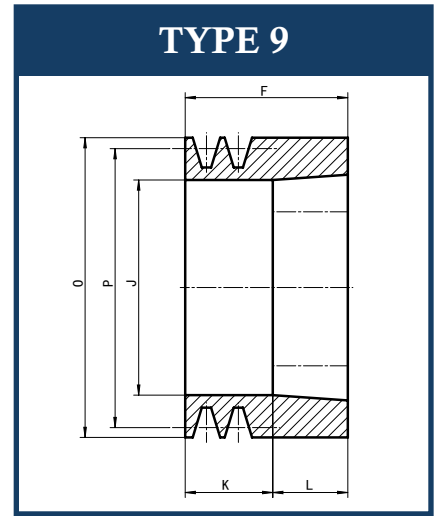
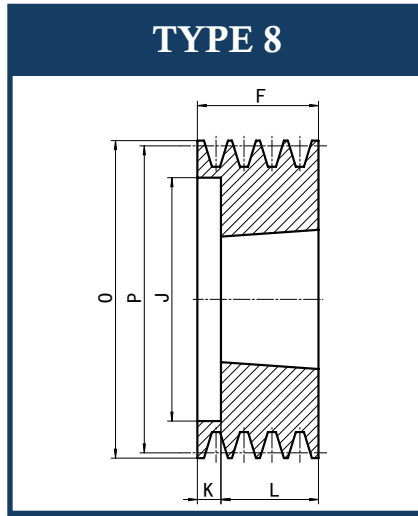
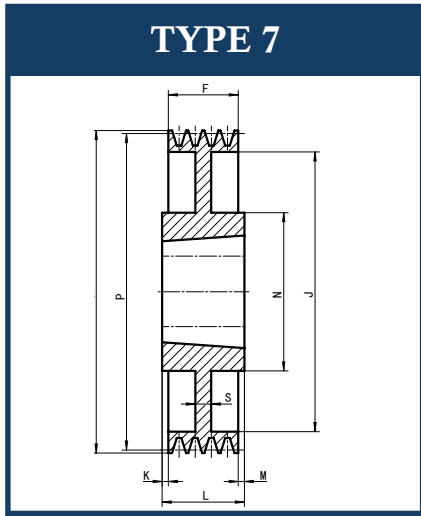
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SPC 560-06	6	560	569.6	5	5050	125	—	162	502	8	127	17.5	127	77.78
SPC 630-06	6	630	639.6	5	5050	125	—	162	572	8	127	17.5	127	89.84
SPC 710-06	6	710	719.6	5	5050	125	—	162	652	8	127	17.5	127	100.79
SPC 800-06	6	800	809.6	5	5050	125	—	162	737	8	127	17.5	127	121.31
SPC 1000-06	6	1000	1009.6	5	5050	125	—	162	937	8	127	17.5	127	162.15
SPC 1250-06	6	1250	1259.6	5	5050	125	—	162	1187	8	127	17.5	127	218.58
SPZ 140-08	8	140	144	3	2517	60	—	100	112	8	45	27.5	—	4.56
SPZ 150-08	8	150	154	3	2517	60	—	100	122	8	45	27.5	—	5.43
SPZ 160-08	8	160	164	3	2517	60	—	100	132	8	45	27.5	—	6.35
SPZ 180-08	8	180	184	3	2517	60	—	100	152	8	45	27.5	—	8.35
SPZ 200-08	8	200	204	3	3020	75	—	100	172	8	51	24.5	—	10.09
SPZ 224-08	8	224	228	3	3020	75	—	100	196	8	51	24.5	—	13.33
SPZ 250-08	8	250	254	6	3020	75	20	100	222	8	51	24.5	51	12.35
SPZ 280-08	8	280	284	6	3020	75	20	100	252	8	51	24.5	51	14.77
SPZ 355-08	8	355	359	5	3030	75	—	100	327	8	76	12	76	18.83
SPZ 400-08	8	400	404	5	3030	75	—	100	372	8	76	12	76	21.17
SPZ 450-08	8	450	454	5	3535	90	—	100	422	8	89	5.5	89	25.31
SPB 160-08	8	160	167	3	3020	75	—	158	117	8	51	53.5	—	8.52
SPB 170-08	8	170	177	3	3030	75	—	158	127	8	76	41	—	10.66
SPB 180-08	8	180	187	3	3030	75	—	158	137	8	76	41	—	12.41
SPB 190-08	8	190	197	3	3030	75	—	158	147	8	76	41	—	14.46
SPB 200-08	8	200	207	3	3535	90	—	158	157	8	89	34.5	—	15.19
SPB 212-08	8	212	219	3	3535	90	—	158	169	8	89	34.5	—	17.94



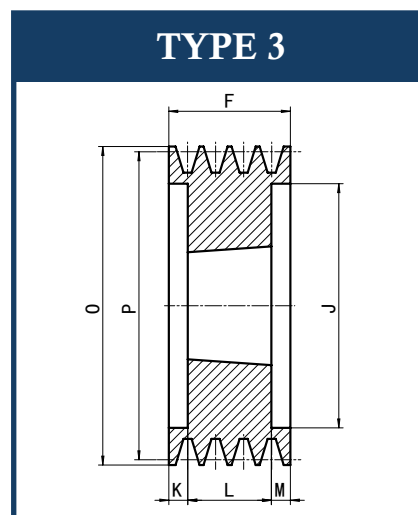
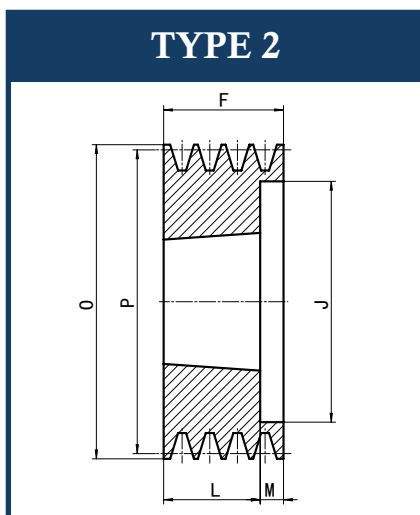
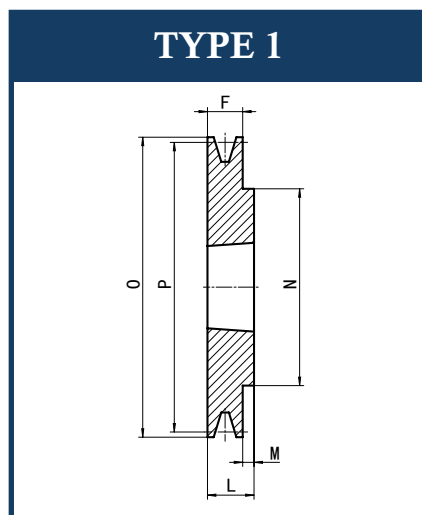
PART NO.	GROOVE	P.D.	O.D.	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 224-08	8	224	231	3	3535	90	—	158	181	8	89	34.5	—	20.83
SPB 236-08	8	236	243	3	3535	90	—	158	193	8	89	34.5	—	23.88
SPB 250-08	8	250	257	3	3535	90	—	158	207	8	89	34.5	—	27.62
SPB 265-08	8	265	272	3	3535	90	—	158	222	8	89	34.5	—	31.86
SPB 280-08	8	280	287	6	3535	90	20	158	237	8	89	34.5	89	25.30
SPB 300-08	8	300	307	6	3535	90	20	158	257	8	89	34.5	89	27.63
SPB 315-08	8	315	322	6	3535	90	20	158	272	8	89	34.5	89	29.44
SPB 335-08	8	335	342	6	3535	90	20	158	292	8	89	34.5	89	31.93
SPB 355-08	8	355	362	6	3535	90	20	158	312	8	89	34.5	89	34.52
SPB 375-08	8	375	382	5	4040	100	—	158	332	8	102	28	102	37.27
SPB 400-08	8	400	407	5	4040	100	—	158	357	8	102	28	102	39.53
SPB 425-08	8	425	432	5	4545	110	—	158	382	8	114	22	114	46.25
SPB 450-08	8	450	457	5	4040	100	—	158	407	8	102	28	102	44.05
SPB 500-08	8	500	507	5	4040	100	—	158	457	8	102	28	102	52.47
SPB 560-08	8	560	567	5	4545	110	—	158	517	8	114	22	114	62.90
SPB 630-08	8	630	637	5	4545	110	—	158	587	8	114	22	114	73.68
SPB 710-08	8	710	717	5	4545	110	—	158	667	8	114	22	114	82.83
SPB 800-08	8	800	807	5	4545	110	—	158	757	8	114	22	114	94.57
SPB 900-08	8	900	907	5	4545	110	—	158	857	8	114	22	114	116.37
SPB 1000-08	8	1000	1007	5	5050	125	—	158	957	8	127	15.5	127	133.31
SPB 1250-08	8	1250	1257	5	5050	125	—	158	1207	8	127	15.5	127	182.03
SPC 200-08	8	200	209.6	3	3535	90	—	213	142	8	89	62	—	19.85
SPC 212-08	8	212	221.6	3	3535	90	—	213	154	8	89	62	—	22.95

Taper Bored V-Belt Pulleys

8-Grooves



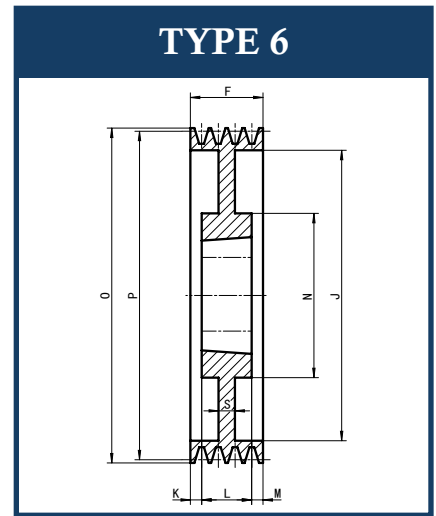
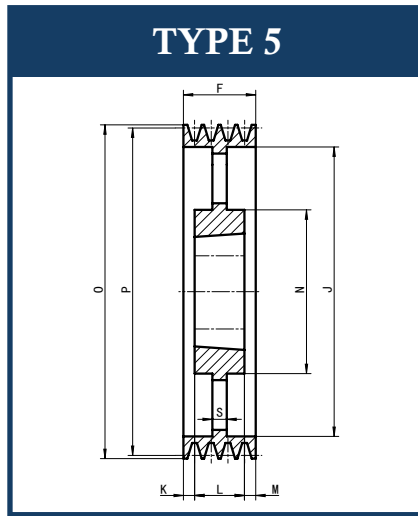
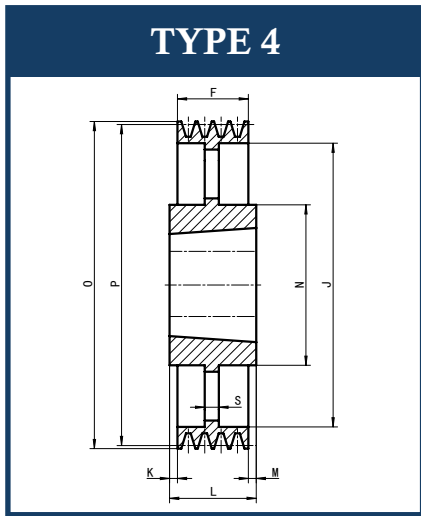
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPC 224-08	8	224	233.6	3	3535	90	—	213	166	8	89	62	—	26.20
SPC 236-08	8	236	245.6	3	3535	90	—	213	178	8	89	62	—	29.60
SPC 250-08	8	250	259.6	3	3535	90	—	213	192	8	89	62	—	33.75
SPC 265-08	8	265	274.6	3	3535	90	—	213	207	8	89	62	—	38.43
SPC 280-08	8	280	289.6	3	3535	90	—	213	222	8	89	62	—	43.34
SPC 300-08	8	300	309.6	3	4040	100	—	213	242	8	102	55.5	—	50.55
SPC 315-08	8	315	324.6	3	4040	100	—	213	257	8	102	55.5	—	57.25
SPC 335-08	8	335	344.6	6	4040	100	18	213	277	8	102	55.5	102	47.66
SPC 355-08	8	355	364.6	6	4040	100	25	213	297	8	102	55.5	102	52.97
SPC 375-08	8	375	384.6	6	4545	110	25	213	317	8	114	49.5	114	60.45
SPC 400-08	8	400	409.6	6	4545	110	25	213	342	8	114	49.5	114	65.51
SPC 425-08	8	425	434.6	6	5050	125	30	213	367	8	127	43	127	76.50
SPC 450-08	8	450	459.6	6	5050	125	30	213	392	8	127	43	127	82.48
SPC 475-08	8	475	484.6	6	5050	125	30	213	417	8	127	43	127	88.69
SPC 500-08	8	500	509.6	6	5050	125	30	213	442	8	127	43	127	95.11
SPC 530-08	8	530	539.6	6	5050	125	30	213	472	8	127	43	127	103.12
SPC 560-08	8	560	569.6	5	5050	125	—	213	502	8	127	43	127	93.24
SPC 630-08	8	630	639.6	5	5050	125	—	213	572	8	127	43	127	107.38
SPC 710-08	8	710	719.6	5	5050	125	—	213	652	8	127	43	127	120.97
SPC 800-08	8	800	809.6	5	5050	125	—	213	737	8	127	43	127	146.78
SPC 1000-08	8	1000	1009.6	5	5050	125	—	213	937	8	127	43	127	198.02
SPC 1250-08	8	1250	1259.6	5	5050	125	—	213	1187	8	127	43	127	252.17
SPB 224-10	10	224	231	3	3535	90	—	196	181	8	89	53.5	—	23.58



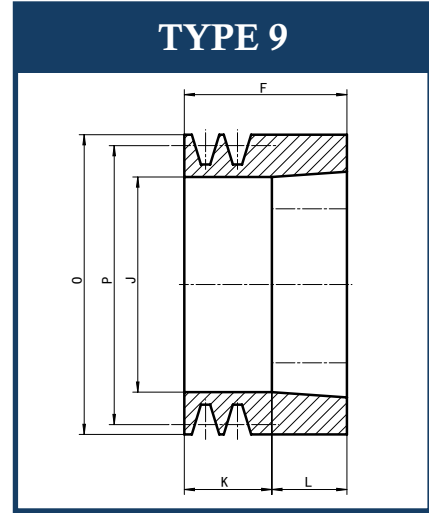
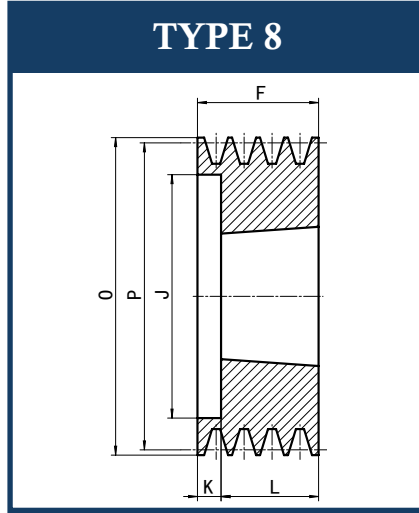
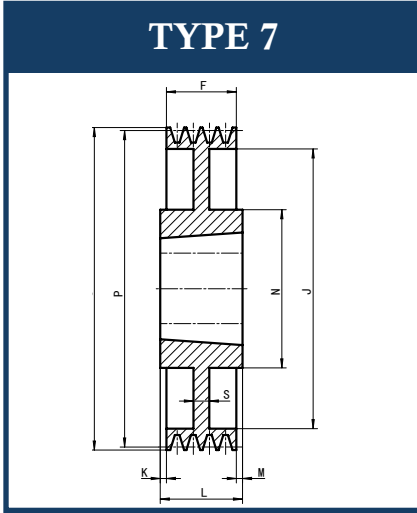
PART NO.	GROOVE	P.D.	O.D.	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPB 236-10	10	236	243	3	3535	90	—	196	193	8	89	53.5	—	26.79
SPB 250-10	10	250	257	3	3535	90	—	196	207	8	89	53.5	—	30.72
SPB 280-10	10	280	287	6	3535	90	20	196	237	8	89	53.5	89	28.81
SPB 315-10	10	315	322	6	3535	90	20	196	272	8	89	53.5	89	33.43
SPB 335-10	10	335	342	6	4040	100	20	196	292	8	102	47	102	39.58
SPB 355-10	10	355	362	6	4040	100	20	196	312	8	102	47	102	42.44
SPB 400-10	10	400	407	5	4040	100	—	196	357	8	102	47	102	45.34
SPB 450-10	10	450	457	5	4545	110	—	196	407	8	114	41	114	55.11
SPB 500-10	10	500	507	5	4545	110	—	196	457	8	114	41	114	65.36
SPB 560-10	10	560	567	5	4545	110	—	196	517	8	114	41	114	73.05
SPB 630-10	10	630	637	5	4545	110	—	196	587	8	114	41	114	85.11
SPB 710-10	10	710	717	5	4545	110	—	196	667	8	114	41	114	96.02
SPB 800-10	10	800	807	5	4545	110	—	196	757	8	114	41	114	109.89
SPB 900-10	10	900	907	5	5050	125	—	196	857	8	127	34.5	127	140.30
SPB 1000-10	10	1000	1007	5	5050	125	—	196	957	8	127	34.5	127	156.20
SPB 1250-10	10	1250	1257	5	5050	125	—	196	1207	8	127	34.5	127	198.90
SPC 250-10	10	250	259.6	3	4040	100	—	264	192	8	102	81	—	37.61
SPC 280-10	10	280	289.6	3	4040	100	—	264	222	8	102	81	—	48.87
SPC 300-10	10	300	309.6	3	4545	110	—	264	242	8	114	75	—	56.30
SPC 315-10	10	315	324.6	3	4545	110	—	264	257	8	114	75	—	64.05
SPC 335-10	10	335	344.6	3	4545	110	—	264	277	8	114	75	—	73.80
SPC 355-10	10	355	364.6	3	4545	110	—	264	297	8	114	75	—	84.08
SPC 375-10	10	375	384.6	3	4545	110	—	264	317	8	114	75	—	94.91

Taper Bored V-Belt Pulleys

10-Grooves



PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
SPC 400-10	10	400	409.6	6	5050	125	25	264	342	8	127	68.5	127	78.11
SPC 450-10	10	450	459.6	6	5050	125	40	264	392	8	127	68.5	127	98.26
SPC 475-10	10	475	484.6	6	5050	125	25	264	417	8	127	68.5	127	96.25
SPC 500-10	10	500	509.6	6	5050	125	40	264	442	8	127	68.5	127	114.57
SPC 560-10	10	560	569.6	5	5050	125	—	264	502	8	127	68.5	127	106.24
SPC 630-10	10	630	639.6	5	5050	125	—	264	572	8	127	68.5	127	122.10
SPC 710-10	10	710	719.6	5	5050	125	—	264	652	8	127	68.5	127	137.68
SPC 800-10	10	800	809.6	5	5050	125	—	264	737	8	127	68.5	127	167.91
SPC 1000-10	10	1000	1009.6	5	5050	125	—	264	937	8	127	68.5	127	224.69
SPC 1250-10	10	1250	1259.6	5	5050	125	—	264	1187	8	127	68.5	127	285.76



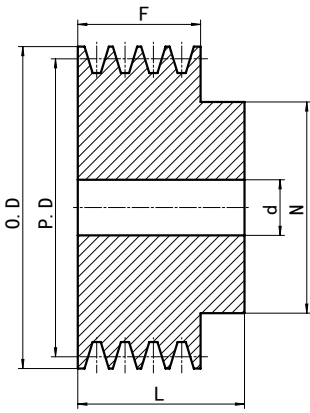
PART NO.	GROOVE	P.D	O.D	TYPE	BUSH	MAX BORE	E	F	J	K	L	M	N	WEIGHT
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Taper Bored V-Belt Pulleys

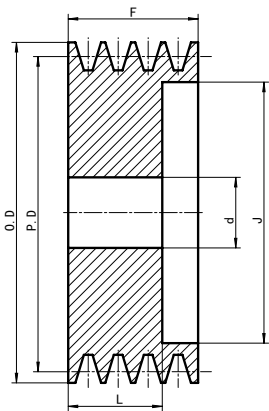
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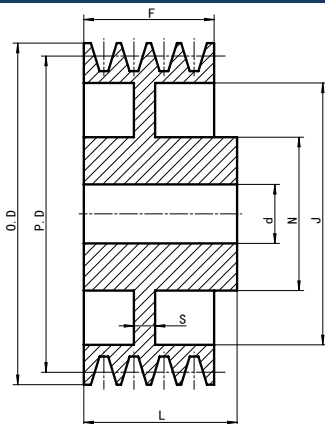
TYPE 1



TYPE 2



TYPE 3

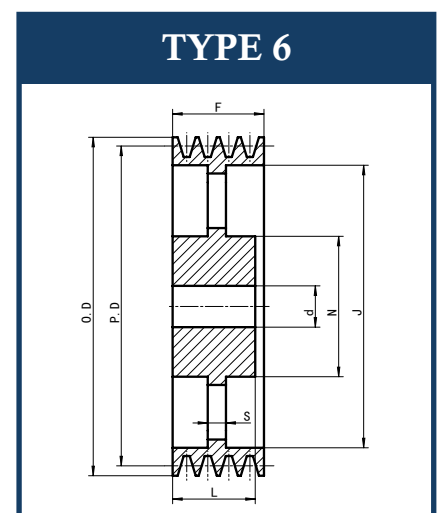
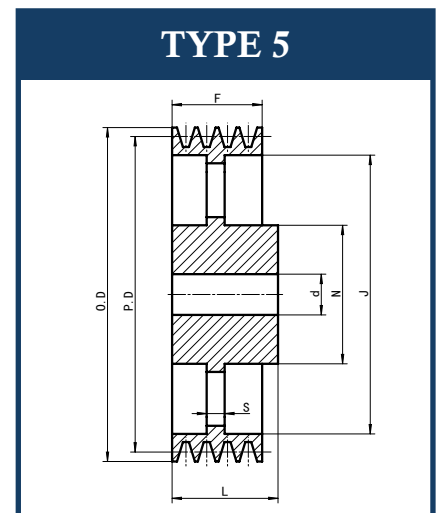
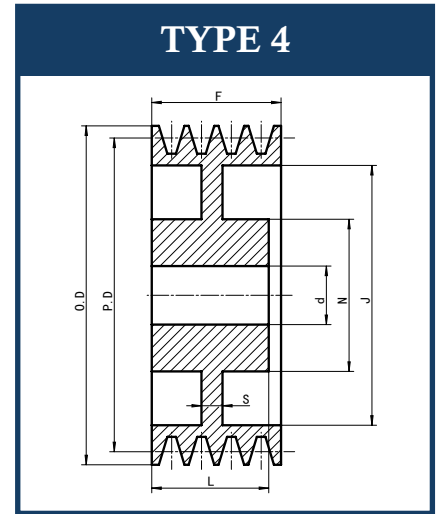


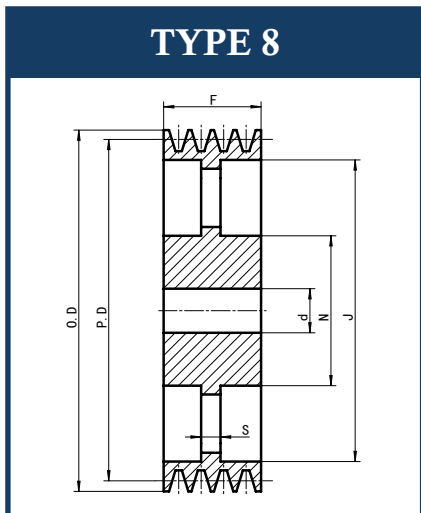
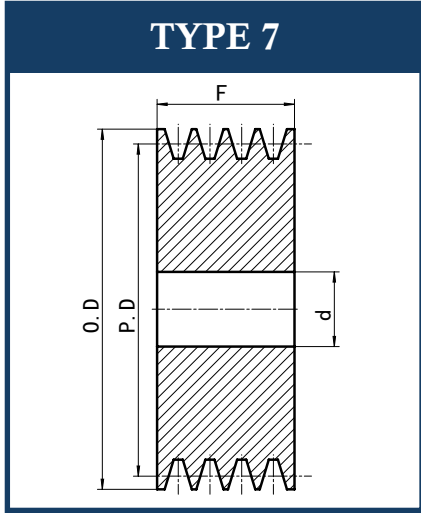
PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPZ 50-01	1	50	54	1	16	28		40		10	0.31
SPZ 56-01	1	56	60	1	16	28		45		10	0.40
SPZ 63-01	1	63	67	1	16	28		50		10	0.50
SPZ 71-01	1	71	75	1	16	28		50		10	0.60
SPZ 75-01	1	75	79	1	16	28		50		10	0.65
SPZ 80-01	1	80	84	1	16	28		50		10	0.72
SPZ 85-01	1	85	89	1	16	28		50		10	0.79
SPZ 90-01	1	90	94	1	16	28		50		10	0.87
SPZ 95-01	1	95	99	1	16	28		50		10	0.95
SPZ 100-01	1	100	104	1	16	28		50		10	1.04
SPZ 106-01	1	106	110	1	16	28		50		10	1.15
SPZ 112-01	1	112	116	1	16	28		50		10	1.26
SPZ 118-01	1	118	122	3	16	28	93	50	8	10	1.11
SPZ 125-01	1	125	129	3	16	28	100	50	16	15	1.55
SPZ 132-01	1	132	136	3	16	28	106	50	8	15	1.30
SPZ 140-01	1	140	144	3	16	28	114	50	8	15	1.42
SPZ 150-01	1	150	154	3	16	28	124	50	8	15	1.57
SPZ 160-01	1	160	164	3	16	32	134	55	8	15	1.86
SPZ 180-01	1	180	184	5	16	32	154	55	8	20	1.97
SPZ 200-01	1	200	204	5	16	32	174	55	8	20	2.19
SPZ 224-01	1	224	228	5	16	32	198	55	8	20	2.46
SPZ 250-01	1	250	254	5	16	32	224	55	8	20	2.75
SPA 40-01	1	40	45.5	1	20	35		40		10	0.29
SPA 50-01	1	50	55.5	1	20	35		40		10	0.38
SPA 56-01	1	56	61.5	1	20	35		40		10	0.45
SPA 63-01	1	63	68.5	1	20	35		40		10	0.53
SPA 71-01	1	71	76.5	1	20	40		40		10	0.70
SPA 75-01	1	75	80.5	1	20	40		40		10	0.76
SPA 80-01	1	80	85.5	1	20	40		45		10	0.89
SPA 85-01	1	85	90.5	1	20	40		45		10	0.98
SPA 90-01	1	90	95.5	1	20	40		45		10	1.08
SPA 95-01	1	95	100.5	1	20	40		45		10	1.18
SPA 100-01	1	100	105.5	1	20	40		48		10	1.32
SPA 106-01	1	106	111.5	1	20	40		48		10	1.45
SPA 112-01	1	112	117.5	1	20	40		48		10	1.60
SPA 118-01	1	118	123.5	1	20	40		60		15	1.90
SPA 125-01	1	125	130.5	1	20	40		60		15	2.11

Pilot Bored V-Belt Pulleys

1-Groove

PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPA 132-01	1	132	137.5	1	20	40		60	15	2.31	
SPA 140-01	1	140	145.5	3	20	40	107	60	10	15	2.09
SPA 150-01	1	150	155.5	3	20	40	117	60	10	15	2.29
SPA 160-01	1	160	165.5	3	20	40	127	60	10	15	2.49
SPA 170-01	1	170	175.5	3	20	40	137	60	10	15	2.71
SPA 180-01	1	180	185.5	3	20	40	147	60	10	20	2.94
SPA 190-01	1	190	195.5	3	20	40	157	60	10	20	3.19
SPA 200-01	1	200	205.5	3	20	45	167	65	10	20	3.67
SPA 212-01	1	212	217.5	3	20	45	179	65	10	20	3.99
SPA 224-01	1	224	229.5	3	20	45	192	65	10	20	4.31
SPA 236-01	1	236	241.5	3	20	50	204	70	12	20	5.37
SPA 250-01	1	250	255.5	3	20	50	217	75	12	20	6.06
SPA 280-01	1	280	285.5	5	20	50	247	75	14	20	4.62
SPA 300-01	1	300	305.5	5	20	50	267	75	14	20	4.89
SPA 315-01	1	315	320.5	5	20	50	282	75	14	20	5.61
SPA 355-01	1	355	360.5	5	20	50	322	75	14	20	6.25
SPA 400-01	1	400	405.5	5	20	50	367	90	14	20	7.59
SPA 450-01	1	450	455.5	5	20	50	417	90	14	20	8.38
SPA 500-01	1	500	505.5	5	20	50	467	90	14	20	9.17
SPA 560-01	1	560	565.5	5	20	50	527	100	15	25	10.62
SPA 630-01	1	630	635.5	5	20	50	597	100	16	25	13.44
SPB 63-01	1	63	70	1	25	45		45	10	0.71	
SPB 70-01	1	70	77	1	25	45		45	10	0.83	
SPB 80-01	1	80	87	1	25	45		50	10	1.08	
SPB 85-01	1	85	92	1	25	45		50	10	1.19	
SPB 90-01	1	90	97	1	25	45		50	10	1.31	
SPB 95-01	1	95	102	1	25	45		50	10	1.43	
SPB 100-01	1	100	107	1	25	45		52	10	1.59	
SPB 106-01	1	106	113	1	25	45		52	15	1.76	
SPB 112-01	1	112	119	1	25	45		55	15	1.97	
SPB 118-01	1	118	125	1	25	45		55	15	2.16	
SPB 120-01	1	120	127	1	25	45		55	15	2.22	
SPB 125-01	1	125	132	1	25	45		58	10	2.43	
SPB 132-01	1	132	139	1	25	45		60	15	2.71	
SPB 140-01	1	140	147	1	25	45		65	20	3.08	
SPB 150-01	1	150	157	1	25	45		65	20	3.48	
SPB 160-01	1	160	167	3	25	45	118	65	12	20	3.17



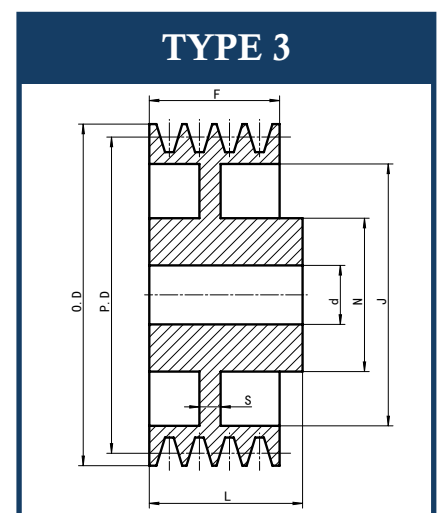
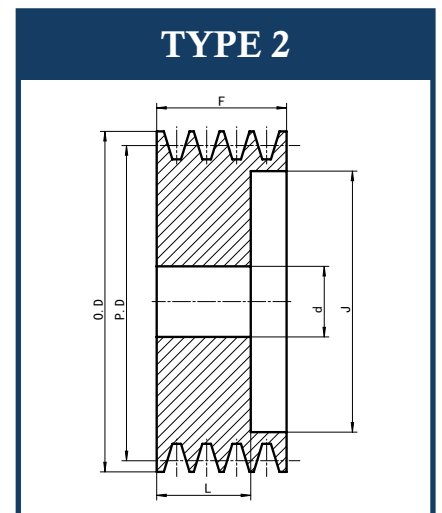
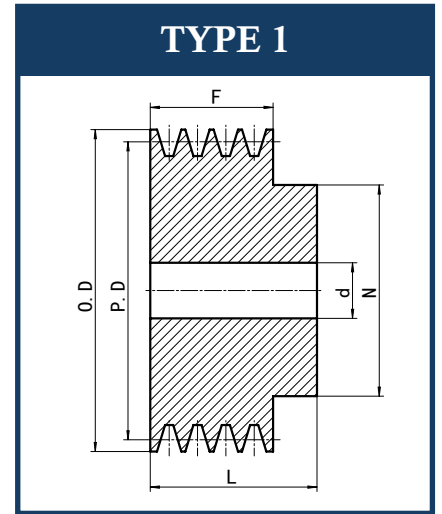


PART NO.	GROOVES	P.D.	O.D.	TYPE	F	L	J	N	S	d	Weight
SPB 170-01	1	170	177	3	25	45	128	65	12	20	3.45
SPB 180-01	1	180	187	3	25	45	138	65	12	20	3.73
SPB 190-01	1	190	197	3	25	45	148	65	12	20	4.06
SPB 200-01	1	200	207	3	25	45	158	70	14	20	4.74
SPB 212-01	1	212	219	3	25	45	170	70	14	20	5.19
SPB 224-01	1	224	231	3	25	45	182	70	14	20	5.65
SPB 250-01	1	250	257	3	25	50	208	70	14	20	6.89
SPB 280-01	1	280	287	3	25	50	238	76	14	20	8.48
SPB 300-01	1	300	307	5	25	50	258	76	15	20	6.33
SPB 315-01	1	315	322	5	25	50	273	76	15	20	7.28
SPB 355-01	1	355	362	5	25	50	313	80	15	20	8.35
SPB 400-01	1	400	407	5	25	55	358	85	18	20	9.79
SPB 450-01	1	450	457	5	25	60	408	90	18	20	11.42
SPB 500-01	1	500	507	5	25	60	458	100	18	25	14.33
SPB 560-01	1	560	567	5	25	60	518	100	18	25	15.91
SPB 600-01	1	600	607	5	25	60	558	100	18	25	16.97
SPB 630-01	1	630	637	5	25	60	588	100	18	25	19.15
SPC 100-01	1	100	109.6	1	34	50		60		15	2.00
SPC 120-01	1	120	129.6	1	34	50		65		15	2.85
SPC 140-01	1	140	149.6	1	34	50		70		20	3.86
SPC 150-01	1	150	159.6	1	34	50		70		20	4.40
SPC 160-01	1	160	169.6	1	34	50		72		20	5.00
SPC 180-01	1	180	189.6	3	34	50	117	76	16	20	5.49
SPC 200-01	1	200	209.6	3	34	50	137	76	16	20	6.38
SPC 224-01	1	224	233.6	3	34	50	161	86	16	20	7.87
SPC 250-01	1	250	259.6	3	34	50	187	86	16	20	9.26
SPC 280-01	1	280	289.6	3	34	50	217	86	16	20	11.03
SPC 300-01	1	300	309.6	3	34	50	237	86	16	20	12.29
SPC 315-01	1	315	324.6	5	34	50	252	92	16	20	10.62
SPC 335-01	1	335	344.6	5	34	50	272	110	16	20	12.20
SPC 355-01	1	355	364.6	5	34	50	292	110	16	20	12.88
SPC 400-01	1	400	409.6	5	34	60	337	110	18	25	15.12
SPC 450-01	1	450	459.6	5	34	60	387	110	18	25	16.82
SPC 500-01	1	500	509.6	5	34	60	437	114	18	25	19.88
SPC 560-01	1	560	569.6	5	34	60	497	114	20	25	22.12
SPC 600-01	1	600	609.6	5	34	60	537	114	20	25	23.61
SPC 630-01	1	630	639.6	5	34	60	567	114	20	25	26.03

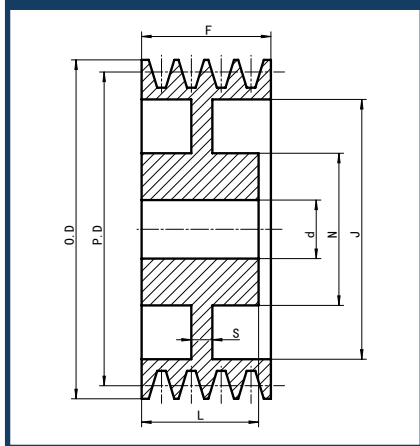
Pilot Bored V-Belt Pulleys

2-Grooves

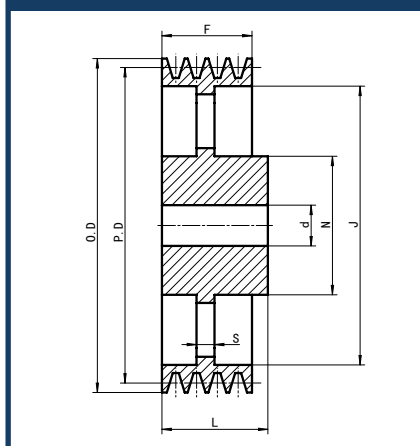
PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPZ 50-02	2	50	54	1	28	35		40		10	0.40
SPZ 56-02	2	56	60	1	28	35		45		10	0.51
SPZ 63-02	2	63	67	1	28	35		50		10	0.65
SPZ 63-02	2	63	67	1	28	35		50		10	0.65
SPZ 71-02	2	71	75	1	28	35		55		10	0.83
SPZ 75-02	2	75	79	1	28	35		60		10	0.94
SPZ 80-02	2	80	84	1	28	35		60		10	1.06
SPZ 85-02	2	85	89	1	28	54		60		10	1.59
SPZ 90-02	2	90	94	1	28	35		60		10	1.32
SPZ 95-02	2	95	99	1	28	35		60		15	1.46
SPZ 100-02	2	100	104	1	28	54		60		15	2.01
SPZ 106-02	2	106	110	1	28	54		60		15	2.21
SPZ 112-02	2	112	116	1	28	35		60		15	2.01
SPZ 118-02	2	118	122	3	28	35	91	60	8	15	1.69
SPZ 125-02	2	125	129	3	28	54	99	60	28	15	2.90
SPZ 132-02	2	132	136	3	28	40	106	60	8	15	1.99
SPZ 140-02	2	140	144	3	28	40	114	60	8	15	2.13
SPZ 150-02	2	150	154	3	28	40	124	60	8	15	2.31
SPZ 160-02	2	160	164	3	28	40	134	60	8	15	2.50
SPZ 180-02	2	180	184	5	28	40	154	60	8	20	2.90
SPZ 200-02	2	200	204	5	28	40	174	60	8	20	3.22
SPZ 224-02	2	224	228	5	28	40	198	60	8	20	3.61
SPZ 250-02	2	250	254	5	28	40	224	60	10	20	4.03
SPZ 280-02	2	280	284	5	28	45	254	65	10	20	4.76
SPZ 315-02	2	315	319	5	28	45	289	65	10	20	6.07
SPA 50-02	2	50	55.5	1	35	45		40		10	0.48
SPA 56-02	2	56	61.5	1	35	45		40		10	0.60
SPA 63-02	2	63	68.5	1	35	45		40		10	0.74
SPA 71-02	2	71	76.5	1	35	45		50		10	0.99
SPA 75-02	2	75	80.5	1	35	45		50		10	1.10
SPA 80-02	2	80	85.5	1	35	45		50		10	1.24
SPA 85-02	2	85	90.5	1	35	45		50		10	1.39
SPA 90-02	2	90	95.5	1	35	45		60		15	1.62
SPA 95-02	2	95	100.5	1	35	45		60		15	1.80
SPA 100-02	2	100	105.5	1	35	45		60		15	1.98
SPA 106-02	2	106	111.5	1	35	45		60		15	2.21
SPA 112-02	2	112	117.5	1	35	45		60		15	2.46



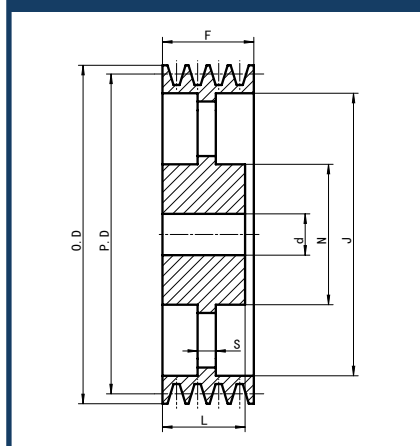
TYPE 4



TYPE 5



TYPE 6

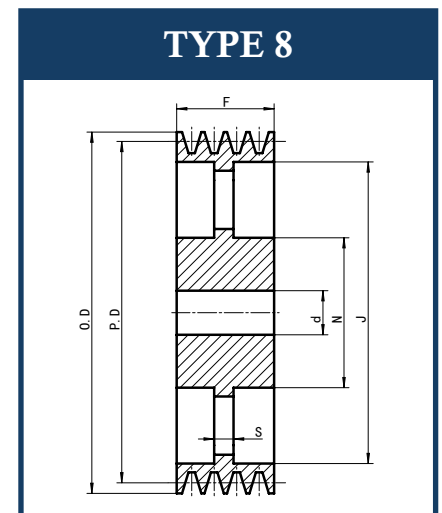
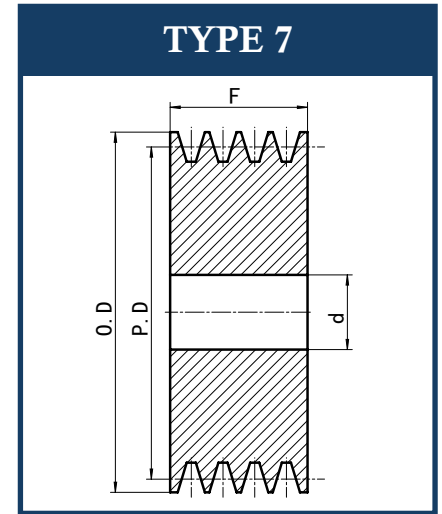


PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPA 118-02	2	118	123.5	1	35	45		60	15	2.73	
SPA 125-02	2	125	130.5	1	35	45		60	15	3.08	
SPA 132-02	2	132	137.5	1	35	45		60	15	3.43	
SPA 140-02	2	140	145.5	3	35	45	107	60	10	15	2.70
SPA 150-02	2	150	155.5	3	35	45	117	60	10	15	2.93
SPA 160-02	2	160	165.5	3	35	45	127	60	10	15	3.18
SPA 170-02	2	170	175.5	3	35	45	137	60	10	15	3.44
SPA 180-02	2	180	185.5	3	35	50	147	70	12	20	4.32
SPA 190-02	2	190	195.5	3	35	50	157	70	12	20	4.64
SPA 200-02	2	200	205.5	3	35	50	167	70	12	20	4.97
SPA 212-02	2	212	217.5	3	35	50	179	70	12	20	5.39
SPA 224-02	2	224	229.5	3	35	50	192	70	12	20	5.78
SPA 236-02	2	236	241.5	3	35	50	204	70	12	20	6.24
SPA 250-02	2	250	255.5	3	35	50	217	75	12	20	7.01
SPA 280-02	2	280	285.5	5	35	50	247	80	14	20	6.33
SPA 300-02	2	300	305.5	5	35	50	267	80	14	20	6.73
SPA 315-02	2	315	320.5	5	35	50	282	80	14	20	7.71
SPA 355-02	2	355	360.5	5	35	50	322	80	14	20	8.65
SPA 400-02	2	400	405.5	5	35	50	367	90	14	20	10.11
SPA 450-02	2	450	455.5	5	35	50	417	100	14	25	11.74
SPA 500-02	2	500	505.5	5	35	50	467	100	16	25	14.14
SPA 560-02	2	560	565.5	5	35	50	527	100	18	25	15.75
SPA 630-02	2	630	635.5	5	35	50	597	110	18	25	19.50
SPB 70-02	2	70	77	1	44	55		45	10	1.11	
SPB 80-02	2	80	87	1	44	55		50	10	1.48	
SPB 85-02	2	85	92	1	44	55		50	10	1.66	
SPB 90-02	2	90	97	1	44	55		50	10	1.86	
SPB 100-02	2	100	107	1	44	55		55	15	2.33	
SPB 106-02	2	106	113	1	44	55		55	15	2.62	
SPB 112-02	2	112	119	1	44	55		60	15	2.97	
SPB 118-02	2	118	125	1	44	55		60	15	3.29	
SPB 120-02	2	120	127	1	44	55		60	15	3.40	
SPB 125-02	2	125	132	1	44	55		70	15	3.78	
SPB 132-02	2	132	139	1	44	55		60	15	4.12	
SPB 140-02	2	140	147	1	44	55		65	20	4.68	
SPB 150-02	2	150	157	1	44	55		65	20	5.38	
SPB 160-02	2	160	167	3	44	55	118	70	12	20	4.47

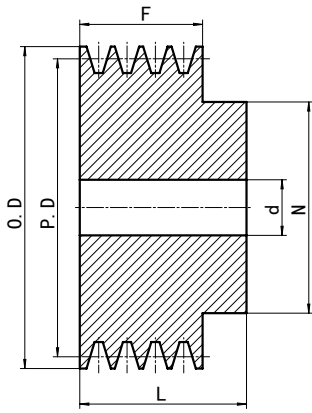
Pilot Bored V-Belt Pulleys

2-Grooves

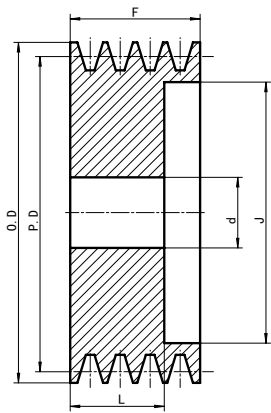
PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPB 170-02	2	170	177	3	44	55	128	70	12	20	4.81
SPB 180-02	2	180	187	3	44	55	138	70	12	20	5.16
SPB 190-02	2	190	197	3	44	55	148	70	12	20	5.58
SPB 200-02	2	200	207	3	44	55	158	70	12	20	5.97
SPB 212-02	2	212	219	3	44	55	170	77	14	20	6.97
SPB 224-02	2	224	231	3	44	55	182	77	14	20	7.52
SPB 250-02	2	250	257	3	44	55	208	77	14	20	8.79
SPB 280-02	2	280	287	3	44	55	238	80	14	20	10.50
SPB 300-02	2	300	307	5	44	55	258	80	15	20	9.11
SPB 315-02	2	315	322	5	44	60	273	88	15	20	10.76
SPB 355-02	2	355	362	5	44	60	313	88	15	20	12.08
SPB 400-02	2	400	407	5	44	60	358	88	18	20	13.56
SPB 450-02	2	450	457	5	44	60	408	90	18	20	15.31
SPB 500-02	2	500	507	5	44	65	458	100	20	25	18.82
SPB 560-02	2	560	567	5	44	65	518	100	20	25	20.97
SPB 600-02	2	600	607	5	44	65	558	100	20	25	22.40
SPB 630-02	2	630	637	5	44	65	588	100	20	25	25.37
SPC 120-02	2	120	129.6	7	59.5					15	4.07
SPC 140-02	2	140	149.6	7	59.5					20	5.69
SPC 150-02	2	150	159.6	7	59.5					20	6.61
SPC 160-02	2	160	169.6	7	59.5					20	7.59
SPC 180-02	2	180	189.6	8	59.5	59.5	117	80	30	20	8.51
SPC 200-02	2	200	209.6	3	59.5	60	137	80	20	20	9.39
SPC 224-02	2	224	233.6	3	59.5	60	161	88	18	20	11.15
SPC 250-02	2	250	259.6	3	59.5	60	187	92	18	20	13.18
SPC 280-02	2	280	289.6	3	59.5	60	217	92	18	20	15.49
SPC 300-02	2	300	309.6	3	59.5	60	237	92	18	20	17.13
SPC 315-02	2	315	324.6	5	59.5	60	252	92	18	20	15.52
SPC 335-02	2	335	344.6	5	59.5	60	272	110	18	20	17.60
SPC 355-02	2	355	364.6	5	59.5	60	292	110	18	25	18.62
SPC 400-02	2	400	409.6	5	59.5	70	337	110	20	25	21.63
SPC 450-02	2	450	459.6	5	59.5	70	387	110	20	25	24.19
SPC 500-02	2	500	509.6	5	59.5	70	437	114	20	25	29.24
SPC 560-02	2	560	569.6	5	59.5	70	497	114	24	25	32.71
SPC 600-02	2	600	609.6	5	59.5	70	537	114	24	25	35.03
SPC 630-02	2	630	639.6	5	59.5	70	567	114	24	25	38.68
SPZ 50-03	3	50	54	7	40					10	0.46



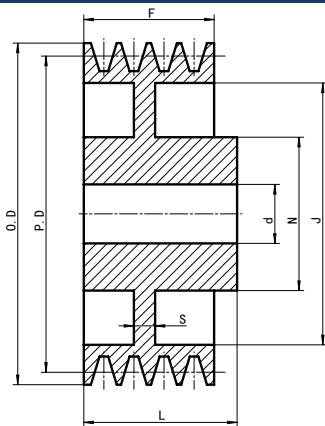
TYPE 1



TYPE 2



TYPE 3

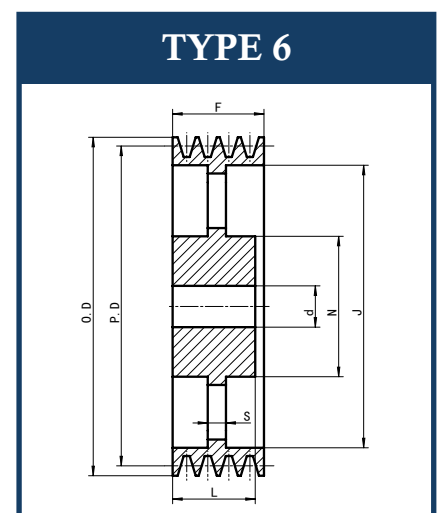
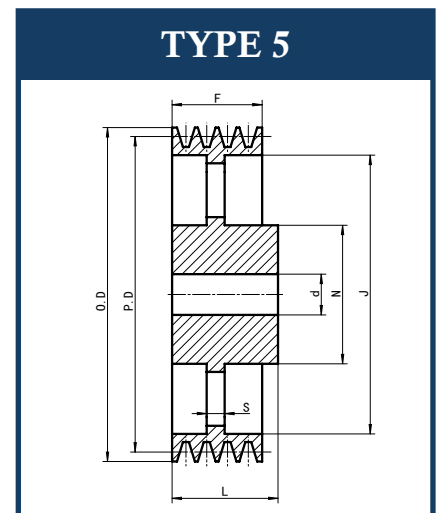
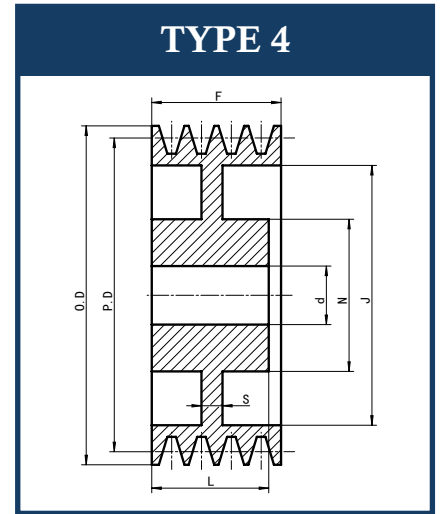


PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPZ 56-03	3	56	60	7	40					10	0.59
SPZ 63-03	3	63	67	7	40					10	0.77
SPZ 63-03	3	63	67	7	40					10	0.77
SPZ 71-03	3	71	75	7	40					10	1.00
SPZ 75-03	3	75	79	7	40					10	1.12
SPZ 80-03	3	80	84	7	40					10	1.29
SPZ 85-03	3	85	89	7	40					15	1.47
SPZ 90-03	3	90	94	7	40					15	1.66
SPZ 95-03	3	95	99	7	40					15	1.86
SPZ 100-03	3	100	104	7	40					15	2.07
SPZ 106-03	3	106	110	7	40					15	2.34
SPZ 112-03	3	112	116	7	40					15	2.63
SPZ 118-03	3	118	122	7	40					15	2.94
SPZ 125-03	3	125	129	7	40					15	3.32
SPZ 132-03	3	132	136	8	40	40	106	60	8	15	2.30
SPZ 140-03	3	140	144	8	40	40	114	60	8	15	2.46
SPZ 150-03	3	150	154	8	40	40	124	60	8	20	2.67
SPZ 160-03	3	160	164	3	40	45	134	65	8	20	3.12
SPZ 180-03	3	180	184	5	40	45	154	65	8	20	3.58
SPZ 200-03	3	200	204	5	40	45	174	65	10	20	3.95
SPZ 224-03	3	224	228	5	40	45	198	65	10	20	4.40
SPZ 250-03	3	250	254	5	40	45	224	65	12	20	4.89
SPA 56-03	3	56	61.5	7	50					10	0.70
SPA 60-03	3	60	65.5	7	50					10	0.81
SPA 63-03	3	63	68.5	7	50					10	0.91
SPA 71-03	3	71	76.5	7	50					10	1.18
SPA 75-03	3	75	80.5	7	50					10	1.33
SPA 80-03	3	80	85.5	7	50					15	1.54
SPA 85-03	3	85	90.5	7	50					15	1.75
SPA 90-03	3	90	95.5	7	50					15	1.98
SPA 95-03	3	95	100.5	7	50					15	2.23
SPA 100-03	3	100	105.5	7	50					15	2.49
SPA 106-03	3	106	111.5	7	50					15	2.82
SPA 112-03	3	112	117.5	7	50					15	3.18
SPA 118-03	3	118	123.5	7	50					15	3.55
SPA 125-03	3	125	130.5	7	50					15	4.05
SPA 132-03	3	132	137.5	7	50					15	4.55

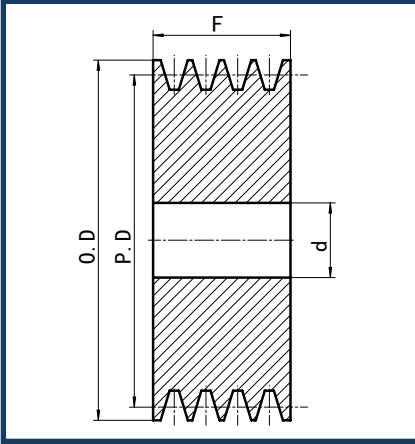
Pilot Bored V-Belt Pulleys

3-Grooves

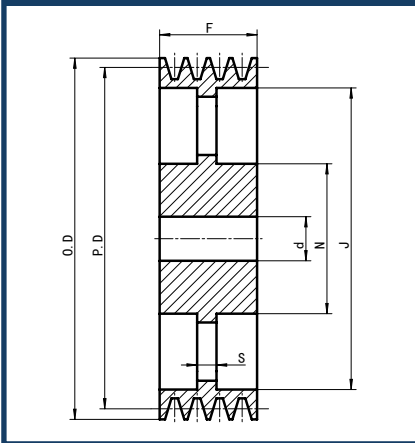
PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPA 140-03	3	140	145.5	3	50	52	107	65	18	20	3.84
SPA 150-03	3	150	155.5	3	50	52	117	65	18	20	4.22
SPA 160-03	3	160	165.5	3	50	52	127	70	18	20	4.76
SPA 170-03	3	170	175.5	3	50	52	137	70	18	20	5.19
SPA 180-03	3	180	185.5	3	50	52	147	70	12	20	5.05
SPA 190-03	3	190	195.5	3	50	52	157	70	12	20	5.41
SPA 200-03	3	200	205.5	3	50	52	167	70	12	20	5.78
SPA 212-03	3	212	217.5	3	50	52	179	70	12	20	6.25
SPA 224-03	3	224	229.5	3	50	52	192	80	12	20	7.01
SPA 236-03	3	236	241.5	3	50	52	204	80	12	20	7.51
SPA 250-03	3	250	255.5	3	50	60	217	80	12	20	8.52
SPA 280-03	3	280	285.5	5	50	60	247	80	14	20	8.35
SPA 300-03	3	300	305.5	5	50	60	267	80	14	20	8.90
SPA 315-03	3	315	320.5	5	50	60	282	90	14	20	10.46
SPA 355-03	3	355	360.5	5	50	60	322	90	14	20	11.70
SPA 400-03	3	400	405.5	5	50	60	367	100	16	25	13.63
SPA 450-03	3	450	455.5	5	50	60	417	100	16	25	15.18
SPA 500-03	3	500	505.5	5	50	60	467	105	20	25	18.05
SPA 560-03	3	560	565.5	5	50	65	527	120	20	25	21.46
SPA 630-03	3	630	635.5	5	50	65	597	120	20	25	25.68
SPB 71-03	3	71	78	7	63					15	1.41
SPB 80-03	3	80	87	7	63					15	1.84
SPB 85-03	3	85	92	7	63					15	2.10
SPB 90-03	3	90	97	7	63					15	2.39
SPB 100-03	3	100	107	7	63					15	3.01
SPB 112-03	3	112	119	7	63					15	3.85
SPB 118-03	3	118	125	7	63					15	4.31
SPB 120-03	3	120	127	7	63					15	4.47
SPB 125-03	3	125	132	2	63	60	83			20	4.76
SPB 132-03	3	132	139	2	63	60	88			15	5.36
SPB 140-03	3	140	147	2	63	60	98			20	6.06
SPB 150-03	3	150	157	2	63	60	108			20	7.02
SPB 160-03	3	160	167	2	63	60	118			20	8.04
SPB 170-03	3	170	177	4	63	60	128	70	30	20	7.12
SPB 180-03	3	180	187	4	63	60	138	80	18	20	7.19
SPB 200-03	3	200	207	4	63	60	158	80	18	20	8.36
SPB 212-03	3	212	219	4	63	60	170	80	18	20	9.05



TYPE 7



TYPE 8

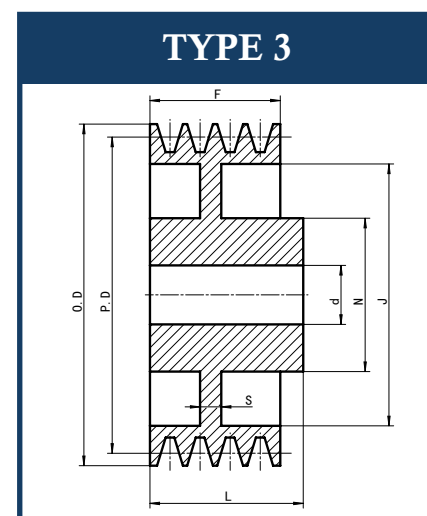
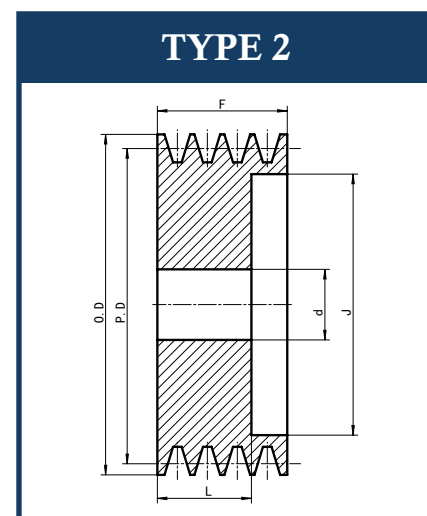
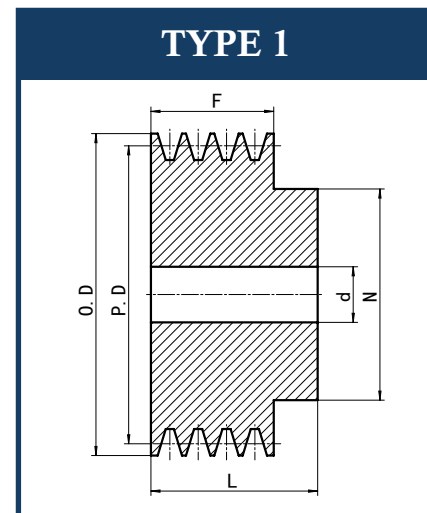


PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPB 224-03	3	224	231	4	63	60	182	80	18	20	9.78
SPB 250-03	3	250	257	4	63	60	208	80	18	20	11.46
SPB 280-03	3	280	287	4	63	60	238	90	18	20	13.99
SPB 300-03	3	300	307	6	63	60	258	90	18	20	12.20
SPB 315-03	3	315	322	6	63	60	273	90	18	20	13.32
SPB 355-03	3	355	362	6	63	60	313	92	18	25	15.11
SPB 400-03	3	400	407	5	63	65	358	96	22	25	17.50
SPB 425-03	3	425	432	5	63	65	383	96	22	20	18.56
SPB 450-03	3	450	457	5	63	65	408	96	22	25	19.62
SPB 500-03	3	500	507	5	63	75	458	104	24	25	25.73
SPB 560-03	3	560	567	5	63	75	518	104	24	25	28.77
SPB 600-03	3	600	607	5	63	75	558	104	24	25	30.80
SPB 630-03	3	630	637	5	63	75	588	105	24	25	34.64
SPC 140-03	3	140	149.6	2	85	65	77			20	7.28
SPC 150-03	3	150	159.6	2	85	65	87			20	8.39
SPC 160-03	3	160	169.6	2	85	65	97			20	9.57
SPC 180-03	3	180	189.6	4	85	65	117	82	35	20	10.93
SPC 200-03	3	200	209.6	4	85	65	137	86	25	20	12.38
SPC 224-03	3	224	233.6	4	85	70	161	90	21	20	14.57
SPC 250-03	3	250	259.6	4	85	70	187	92	21	20	17.03
SPC 280-03	3	280	289.6	4	85	70	217	92	21	20	19.96
SPC 300-03	3	300	309.6	4	85	70	237	92	21	20	22.04
SPC 315-03	3	315	324.6	6	85	70	252	92	22	25	20.93
SPC 335-03	3	335	344.6	6	85	70	272	110	22	25	23.53
SPC 355-03	3	355	364.6	6	85	70	292	110	22	25	24.96
SPC 400-03	3	400	409.6	5	85	90	337	114	24	25	30.01
SPC 450-03	3	450	459.6	5	85	90	387	114	24	25	33.60
SPC 500-03	3	500	509.6	5	85	90	437	114	24	25	40.06
SPC 560-03	3	560	569.6	5	85	90	497	114	28	25	44.90
SPC 600-03	3	600	609.6	5	85	90	537	114	28	25	48.12
SPC 630-03	3	630	639.6	5	85	90	567	114	28	25	52.98
SPA 75-04	4	75	80.5	7	65					10	1.71
SPA 80-04	4	80	85.5	7	65					15	1.98
SPA 85-04	4	85	90.5	7	65					15	2.26
SPA 90-04	4	90	95.5	7	65					15	2.56
SPA 95-04	4	95	100.5	7	65					15	2.87
SPA 100-04	4	100	105.5	2	65	52	67			15	2.87

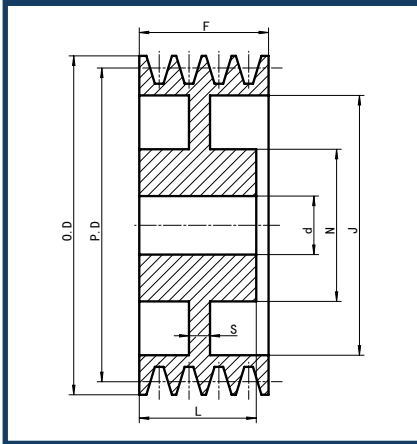
Pilot Bored V-Belt Pulleys

4-Grooves

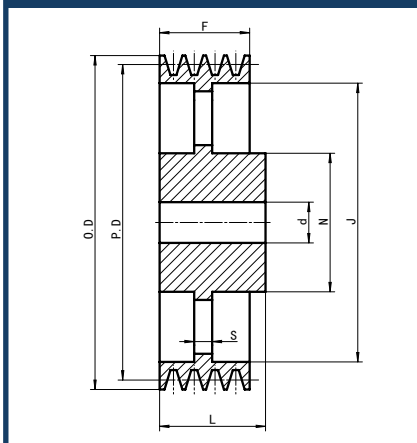
PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPA 106-04	4	106	111.5	2	65	52	76			15	3.20
SPA 112-04	4	112	117.5	2	65	52	79			15	3.63
SPA 118-04	4	118	123.5	2	65	52	87			15	4.01
SPA 125-04	4	125	130.5	2	65	52	92			15	4.59
SPA 132-04	4	132	137.5	2	65	52	97			15	5.16
SPA 140-04	4	140	145.5	2	65	52	107			20	5.78
SPA 150-04	4	150	155.5	2	65	52	117			20	6.65
SPA 160-04	4	160	165.5	4	65	52	127	70	22	20	5.61
SPA 170-04	4	170	175.5	4	65	52	137	80	18	20	6.11
SPA 180-04	4	180	185.5	4	65	60	147	80	22	20	7.26
SPA 190-04	4	190	195.5	4	65	60	157	80	18	20	7.41
SPA 200-04	4	200	205.5	4	65	60	167	80	18	20	7.94
SPA 212-04	4	212	217.5	4	65	60	179	80	18	20	8.60
SPA 224-04	4	224	229.5	4	65	60	192	90	18	20	9.61
SPA 236-04	4	236	241.5	4	65	60	204	90	18	20	10.33
SPA 250-04	4	250	255.5	3	65	65	217	90	18	20	11.56
SPA 280-04	4	280	285.5	5	65	65	247	90	16	20	10.70
SPA 300-04	4	300	305.5	5	65	65	267	90	16	20	11.40
SPA 315-04	4	315	320.5	5	65	65	282	90	16	20	11.28
SPA 355-04	4	355	360.5	5	65	65	322	90	16	25	13.98
SPA 400-04	4	400	405.5	5	65	65	367	100	20	25	16.26
SPA 450-04	4	450	455.5	6	65	65	417	105	20	25	18.47
SPA 500-04	4	500	505.5	5	65	65	467	105	20	25	23.29
SPA 560-04	4	560	565.5	5	65	65	527	120	22	25	27.01
SPA 630-04	4	630	635.5	5	65	65	597	120	22	25	32.47
SPB 80-04	4	80	87	7	82					15	2.36
SPB 90-04	4	90	97	7	82					15	3.07
SPB 100-04	4	100	107	7	82					15	3.87
SPB 112-04	4	112	119	7	82					20	4.97
SPB 118-04	4	118	125	7	82					20	5.57
SPB 120-04	4	120	127	7	82					20	5.77
SPB 125-04	4	125	132	2	82	60	83			20	5.42
SPB 132-04	4	132	139	2	82	60	88			20	6.10
SPB 140-04	4	140	147	2	82	60	98			20	6.82
SPB 150-04	4	150	157	2	82	60	108			20	7.84
SPB 160-04	4	160	167	2	82	60	118			20	8.93
SPB 170-04	4	170	177	4	82	60	128	70	30	20	8.07



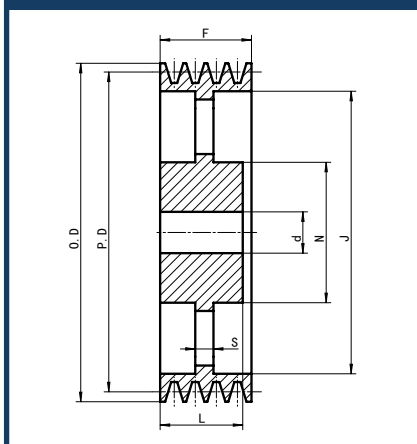
TYPE 4



TYPE 5



TYPE 6

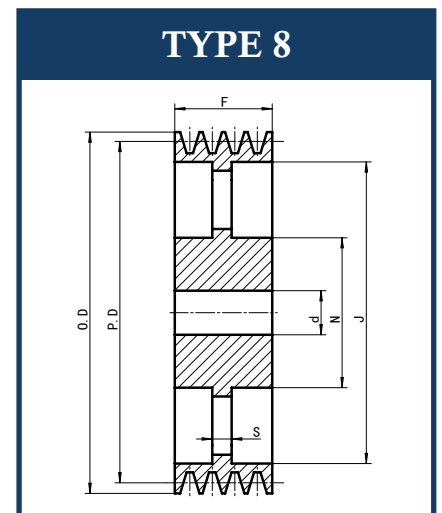
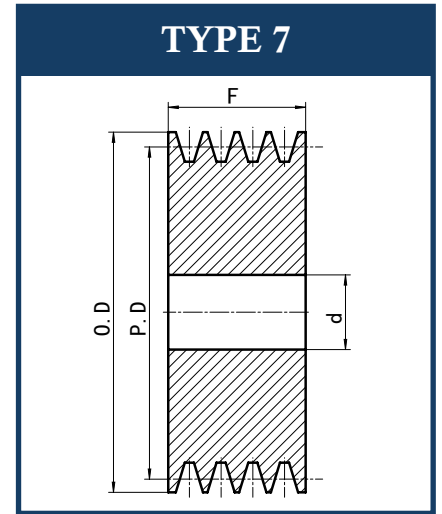


PART NO.	GROOVES	P.D.	O.D.	TYPE	F	L	J	N	S	d	Weight
SPB 180-04	4	180	187	4	82	60	138	80	30	20	9.09
SPB 200-04	4	200	207	4	82	60	158	88	25	20	10.57
SPB 212-04	4	212	219	4	82	60	170	88	25	20	11.50
SPB 224-04	4	224	231	4	82	60	182	88	25	20	12.48
SPB 250-04	4	250	257	4	82	65	208	96	25	25	15.33
SPB 280-04	4	280	287	4	82	65	238	96	25	25	18.19
SPB 300-04	4	300	307	6	82	65	258	96	20	25	15.09
SPB 315-04	4	315	322	6	82	65	273	96	20	25	16.50
SPB 355-04	4	355	362	6	82	65	313	96	20	25	18.62
SPB 400-04	4	400	407	6	82	75	358	104	24	25	22.11
SPB 425-04	4	425	432	6	82	75	383	104	24	25	23.44
SPB 450-04	4	450	457	6	82	75	408	104	24	25	24.76
SPB 500-04	4	500	507	5	82	85	458	112	28	25	31.85
SPB 560-04	4	560	567	5	82	85	518	112	28	25	35.56
SPB 600-04	4	600	607	5	82	85	558	115	28	25	38.30
SPB 630-04	4	630	637	5	82	85	588	120	28	25	43.16
SPC 140-04	4	140	149.6	2	110.5	80	77			20	9.21
SPC 150-04	4	150	159.6	2	110.5	80	87			20	10.59
SPC 160-04	4	160	169.6	2	110.5	80	97			20	12.07
SPC 180-04	4	180	189.6	4	110.5	80	117	82	60	20	14.49
SPC 200-04	4	200	209.6	4	110.5	90	137	90	70	20	18.77
SPC 224-04	4	224	233.6	4	110.5	90	161	90	50	25	21.09
SPC 250-04	4	250	259.6	4	110.5	90	187	100	30	25	22.85
SPC 280-04	4	280	289.6	4	110.5	90	217	100	25	25	25.74
SPC 300-04	4	300	309.6	4	110.5	90	237	100	25	25	28.30
SPC 315-04	4	315	324.6	4	110.5	90	252	110	25	25	31.43
SPC 335-04	4	335	344.6	6	110.5	90	272	114	25	25	30.14
SPC 355-04	4	355	364.6	6	110.5	90	292	114	25	25	31.94
SPC 400-04	4	400	409.6	6	110.5	90	337	114	26	25	35.98
SPC 450-04	4	450	459.6	6	110.5	90	387	120	28	25	41.08
SPC 500-04	4	500	509.6	6	110.5	90	437	126	28	25	50.48
SPC 560-04	4	560	569.6	6	110.5	90	497	130	30	25	57.10
SPC 600-04	4	600	609.6	6	110.5	90	537	130	30	25	61.24
SPC 630-04	4	630	639.6	6	110.5	90	567	130	30	25	66.83
SPA 75-05	5	75	80.5	7	80					10	2.09
SPA 80-05	5	80	85.5	7	80					15	2.42
SPA 85-05	5	85	90.5	7	80					15	2.76

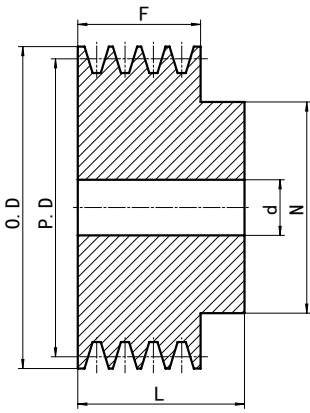
Pilot Bored V-Belt Pulleys

5-Grooves

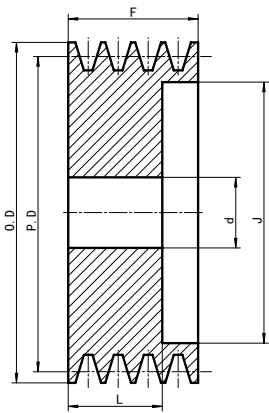
PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPA 90-05	5	90	95.5	7	80					15	3.13
SPA 95-05	5	95	100.5	7	80					15	3.52
SPA 100-05	5	100	105.5	2	80	52	67			15	3.20
SPA 106-05	5	106	111.5	2	80	52	76			15	3.51
SPA 112-05	5	112	117.5	2	80	52	79			15	4.00
SPA 118-05	5	118	123.5	2	80	52	87			15	4.38
SPA 125-05	5	125	130.5	2	80	52	92			15	5.03
SPA 132-05	5	132	137.5	2	80	52	97			15	5.66
SPA 140-05	5	140	145.5	2	80	52	107			20	6.28
SPA 150-05	5	150	155.5	2	80	52	117			20	7.20
SPA 160-05	5	160	165.5	4	80	52	127	80	22	20	6.46
SPA 170-05	5	170	175.5	4	80	52	137	80	18	20	6.74
SPA 180-05	5	180	185.5	4	80	65	147	80	22	20	8.11
SPA 190-05	5	190	195.5	4	80	65	157	80	22	20	8.73
SPA 200-05	5	200	205.5	4	80	65	167	80	20	20	9.13
SPA 212-05	5	212	217.5	4	80	65	179	80	20	20	9.89
SPA 224-05	5	224	229.5	4	80	65	192	90	20	20	11.00
SPA 236-05	5	236	241.5	4	80	65	204	90	20	20	11.82
SPA 250-05	5	250	255.5	4	80	65	217	90	20	20	12.98
SPA 280-05	5	280	285.5	6	80	65	247	100	18	25	12.80
SPA 300-05	5	300	305.5	6	80	65	267	100	18	25	13.64
SPA 315-05	5	315	320.5	6	80	65	282	100	18	25	14.97
SPA 355-05	5	355	360.5	6	80	65	322	100	18	25	16.80
SPA 400-05	5	400	405.5	6	80	65	367	100	22	25	18.87
SPA 450-05	5	450	455.5	6	80	65	417	105	22	25	21.46
SPA 500-05	5	500	505.5	6	80	65	467	110	22	25	27.26
SPA 560-05	5	560	565.5	5	80	80	527	120	24	25	32.43
SPA 630-05	5	630	635.5	5	80	80	597	120	24	25	38.09
SPB 80-05	5	80	87	7	101					15	2.89
SPB 90-05	5	90	97	7	101					15	3.76
SPB 100-05	5	100	107	7	101					15	4.74
SPB 112-05	5	112	119	7	101					20	6.08
SPB 118-05	5	118	125	7	101					20	6.82
SPB 120-05	5	120	127	7	101					20	7.07
SPB 125-05	5	125	132	2	101	60	83			20	6.07
SPB 132-05	5	132	139	2	101	60	88			20	6.84
SPB 140-05	5	140	147	2	101	60	98			20	7.57



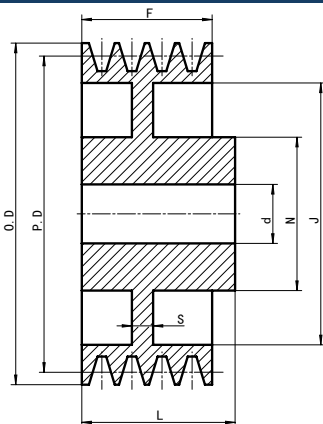
TYPE 1



TYPE 2



TYPE 3

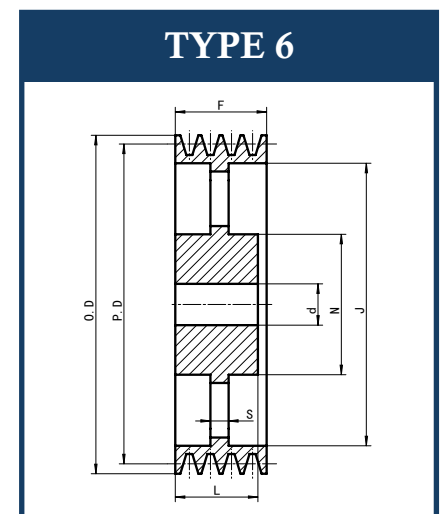
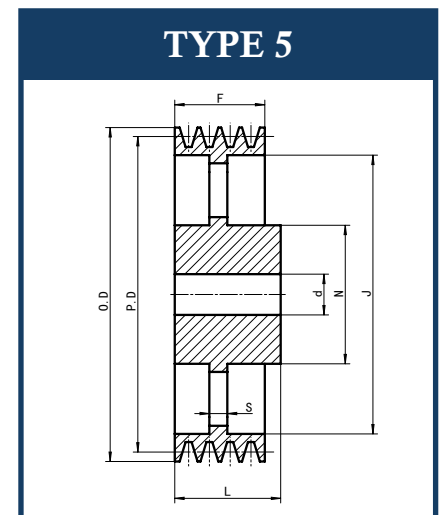
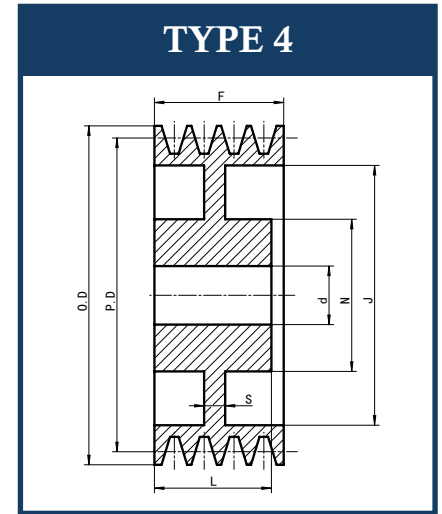


PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPB 150-05	5	150	157	2	101	60	108			20	8.65
SPB 160-05	5	160	167	2	101	60	118			20	9.81
SPB 170-05	5	170	177	4	101	60	128	70	30	20	9.01
SPB 180-05	5	180	187	4	101	70	138	80	40	20	11.22
SPB 200-05	5	200	207	4	101	70	158	96	35	25	13.50
SPB 212-05	5	212	219	4	101	70	170	96	35	25	14.75
SPB 224-05	5	224	231	4	101	70	182	96	25	25	14.66
SPB 250-05	5	250	257	4	101	75	208	104	25	25	17.84
SPB 280-05	5	280	287	4	101	75	238	104	25	25	20.90
SPB 300-05	5	300	307	6	101	75	258	104	22	25	18.64
SPB 315-05	5	315	322	6	101	75	273	104	22	25	20.24
SPB 355-05	5	355	362	6	101	75	313	104	22	25	22.80
SPB 400-05	5	400	407	6	101	85	358	112	26	25	27.00
SPB 425-05	5	425	432	6	101	85	383	112	26	25	28.59
SPB 450-05	5	450	457	6	101	85	408	112	26	25	30.19
SPB 500-05	5	500	507	6	101	90	458	120	30	25	39.19
SPB 560-05	5	560	567	6	101	90	518	120	30	25	43.85
SPB 600-05	5	600	607	6	101	90	558	120	30	25	46.96
SPB 630-05	5	630	637	6	101	90	588	128	30	25	52.68
SPC 150-05	5	150	159.6	2	136	96	87			20	12.84
SPC 160-05	5	160	169.6	2	136	96	97			20	14.62
SPC 180-05	5	180	189.6	4	136	96	117	82	75	20	17.67
SPC 200-05	5	200	209.6	4	136	100	137	90	80	25	22.08
SPC 224-05	5	224	233.6	4	136	100	161	90	60	25	25.15
SPC 250-05	5	250	259.6	4	136	100	187	102	50	25	29.38
SPC 280-05	5	280	289.6	4	136	100	217	102	40	25	33.03
SPC 300-05	5	300	309.6	4	136	100	237	104	25	25	32.82
SPC 315-05	5	315	324.6	4	136	100	252	112	25	25	36.19
SPC 335-05	5	335	344.6	6	136	100	272	114	28	25	35.79
SPC 355-05	5	355	364.6	6	136	100	292	114	28	25	37.95
SPC 400-05	5	400	409.6	6	136	100	337	120	28	25	43.49
SPC 450-05	5	450	459.6	6	136	100	387	120	30	25	48.91
SPC 500-05	5	500	509.6	6	136	100	437	126	30	25	59.61
SPC 560-05	5	560	569.6	6	136	100	497	130	32	25	67.43
SPC 600-05	5	600	609.6	6	136	100	537	130	32	25	72.35
SPC 630-05	5	630	639.6	6	136	100	567	130	32	25	80.07
SPA 560-06	6	560	565.5	6	95	80	527	120	26	25	38.33

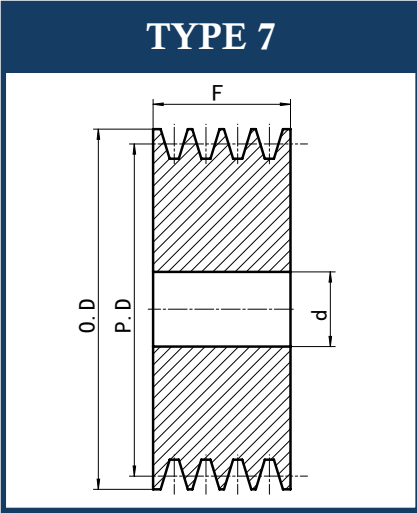
Pilot Bored V-Belt Pulleys

6-Grooves

PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPA 630-06	6	630	635.5	6	95	80	597	120	26	25	45.80
SPB 118-06	6	118	125	7	120					20	8.07
SPB 120-06	6	120	127	7	120					20	8.38
SPB 125-06	6	125	132	2	120	60	83			20	6.73
SPB 132-06	6	132	139	2	120	60	88			20	7.58
SPB 140-06	6	140	147	2	120	60	98			20	8.32
SPB 150-06	6	150	157	2	120	60	108			20	9.47
SPB 160-06	6	160	167	2	120	65	118			20	11.10
SPB 170-06	6	170	177	4	120	65	128	70	40	20	10.78
SPB 180-06	6	180	187	4	120	70	138	80	40	20	12.24
SPB 200-06	6	200	207	4	120	70	158	96	40	25	15.14
SPB 212-06	6	212	219	4	120	80	170	104	40	25	17.50
SPB 224-06	6	224	231	4	120	80	182	104	30	25	17.70
SPB 250-06	6	250	257	4	120	80	208	104	25	25	19.66
SPB 280-06	6	280	287	4	120	80	238	104	25	25	22.93
SPB 300-06	6	300	307	6	120	80	258	104	24	25	21.43
SPB 315-06	6	315	322	6	120	90	273	120	24	25	25.40
SPB 355-06	6	355	362	6	120	90	313	120	24	25	28.41
SPB 400-06	6	400	407	6	120	100	358	120	28	25	32.64
SPB 450-06	6	450	457	6	120	100	408	120	28	25	36.41
SPB 500-06	6	500	507	6	120	105	458	128	33	25	46.46
SPB 560-06	6	560	567	6	120	105	518	128	33	25	51.86
SPB 600-06	6	600	607	6	120	105	558	129	33	25	55.58
SPB 630-06	6	630	637	6	120	105	588	140	33	25	63.80
SPC 160-06	6	160	169.6	2	161.5	96	97			20	16.29
SPC 180-06	6	180	189.6	4	161.5	96	117	82	75	20	19.62
SPC 200-06	6	200	209.6	4	161.5	100	137	90	80	25	24.30
SPC 224-06	6	224	233.6	4	161.5	100	161	90	60	25	27.69
SPC 250-06	6	250	259.6	4	161.5	100	187	102	50	25	32.27
SPC 280-06	6	280	289.6	4	161.5	100	217	102	40	25	36.33
SPC 300-06	6	300	309.6	4	161.5	100	237	104	25	25	36.39
SPC 315-06	6	315	324.6	4	161.5	100	252	112	28	25	40.94
SPC 335-06	6	335	344.6	6	161.5	100	272	114	30	25	39.92
SPC 355-06	6	355	364.6	6	161.5	100	292	114	30	25	42.36
SPC 400-06	6	400	409.6	6	161.5	100	337	120	30	25	48.53
SPC 450-06	6	450	459.6	6	161.5	100	387	120	32	25	54.63
SPC 500-06	6	500	509.6	6	161.5	100	437	126	32	25	66.03

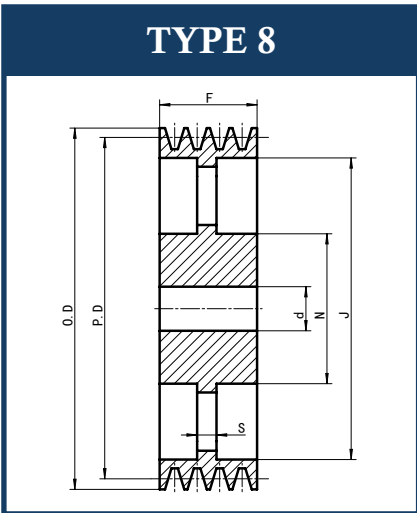


TYPE 7



PART NO.	GROOVES	P.D	O.D	TYPE	F	L	J	N	S	d	Weight
SPC 560-06	6	560	569.6	6	161.5	100	497	130	35	25	74.68
SPC 600-06	6	600	609.6	6	161.5	100	537	130	35	25	80.15
SPC 630-06	6	630	639.6	6	161.5	100	567	130	35	25	88.28

TYPE 8



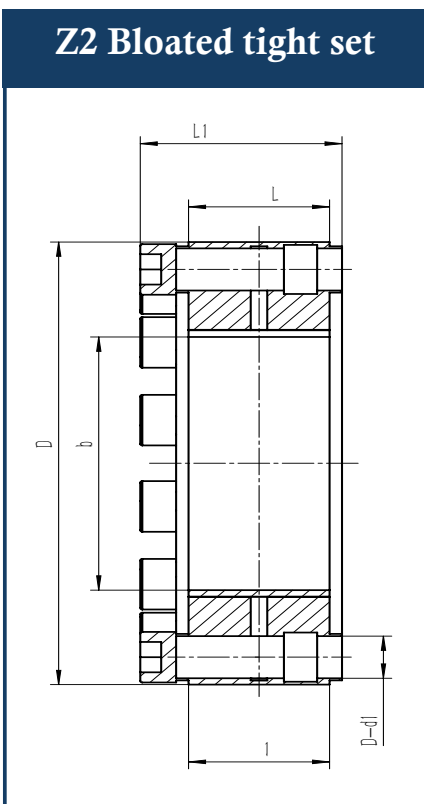
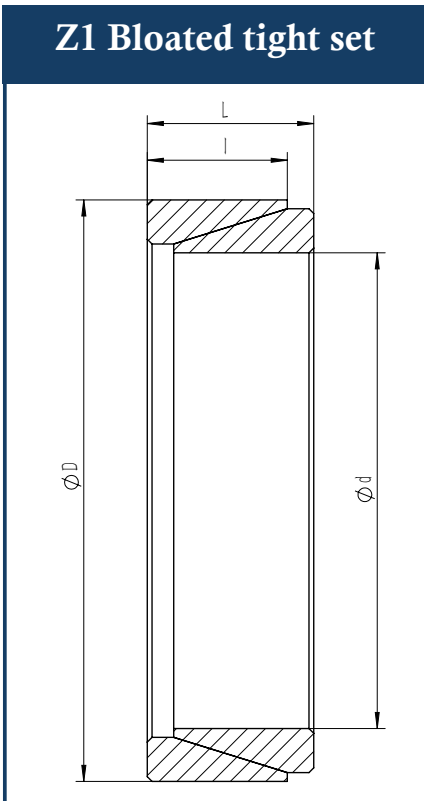
Pilot Bored V-Belt Pulleys

Note



Table for Z1 Bloated tight set

Basic Dimensions				Rated Load at P f =100N/mm ²		Weight		
d	D	L	l	Axial Force Ft	Torque Mt	Kg		
mm				KN	KN.m			
20	25	6.3	5.3	4	0.004	0.01		
22	26			4.5	0.005	0.01		
25	30			5	0.06	0.01		
28	32			5.6	0.08	0.01		
30	35			6	0.09	0.01		
32	36			6.4	0.1	0.01		
35	40	7	6	8.2	0.15	0.02		
40	45	8	6.6	9.9	0.2	0.02		
45	52	10	8.6	14.6	0.33	0.04		
50	57			16.2	0.4	0.05		
55	62			17.8	0.49	0.05		
60	68			23.5	0.7	0.07		
65	73	12	10.4	25.6	0.83	0.08		
70	79	14	12.2	32	1.12	0.11		
75	84			34.4	1.29	0.12		
80	91			45	1.81	0.19		
85	96			45	1.81	0.19		
90	101	17	15	51	2.29	0.22		
95	106			54	2.55	0.23		
100	114			70	3.5	0.38		
105	119	21	18.7	73.2	3.82	0.4		
110	124			77	4.25	0.41		
120	134			84	5.05	0.45		
125	139			92	5.75	0.62		
130	148			28	25.3	124	8.05	0.85
140	158					134	9.35	0.91
150	168					143	10.7	0.97
160	178					152.5	12.2	1.02
170	191			33	30	192	16.3	1.5
180	201					204	18.3	1.58
190	211	214	20.4			1.68		
200	224	262	26.2			2.32		
210	234	38	34.8	275	28.9	2.45		
220	244			288	37.7	2.49		
240	267			42	39.5	358	43	3.52
250	280	48	44	415	52	4.68		
260	290			435	56.5	4.82		
280	313			520	72.5	6.27		
300	333			53	49	555	83	6.47
320	360	65	59	710	114	10.9		
340	380			755	128.5	11.5		
360	400			800	144	12.2		
380	420			845	160.5	12.8		
400	440			890	178	13.5		
420	460			935	196	14.1		
450	490			998	224.5	15.2		
480	520			1070	256	16		
500	540	1110	278	16.5				



Expansion Sleeve

Z2 Bloated tight set

Table for Z2 Bloated tight set

Basic Dimensions							Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Torque M1	Pressure P _{f'} on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight
d	D	l	L	L1	d 1	n	Axial Force F1 (KN)	MA			kg	
mm								KN·m	N/mm ²	N/mm ²	N·m	
20	47					8	27	0.27	210	90	14	0.24
22	47					9	30	0.3	195	90		0.23
25	50					10	33	0.38	190	95		0.25
28	55	17	20	27.5	M6	12	40	0.47	185	95		0.3
30	55	17	20	27.5	M6	14	46	0.5	175	95		0.29
35	60					12	40	0.7	180	105		0.32
38	63					14	46	0.88	185	105	0.33	
40	65					14	46	0.92	180	110	0.34	
42	72					12	65	1.36	200	117	0.48	
45	75					12	72	1.62	210	125	0.57	
50	80	20	24	33.5	M8	14	83	2.27	200	130	0.63	
55	85	20	24	33.5	M8	16	93	2.47	180	120	0.69	
60	90					16	93	3.04	190	130	0.73	
65	95					14	132	4.6	210	130	1.26	
70	110					14	131	4.9	195	125	1.33	
75	115					16	148	5.2	180	120	1.4	
80	120	24	28	39	M10	18	147	6.3	195	130	1.49	
85	125	24	28	39	M10	18	167	6.6	180	125	1.53	
90	130					18	167	7.9	195	135	1.62	
95	135					14	192	9.6	195	135	2.01	
100	145					14	190	9.98	185	130	2.1	
105	150					14	191	10.5	180	125	2.15	
110	155	29	33	47	M12	16	218	13.1	185	135	2.35	
120	165					18	220	17.6	180	130	2.95	
125	170					20	272	20.9	165	125	3.51	
130	180					22	298	24.2	170	125	3.85	
140	190	34	38	52		24	324	28	170	130	4.07	
150	200	34	38	52		26	350	32.8	160	120	4.3	
160	210					22	386	37.8	165	125	5.78	
170	225	38	44	60	M14	24	420	46.5	150	115	6.05	
180	235	38	44	60		28	490	52.5	150	115	8.25	
190	250	46	52	68		30	525	62.89	151	115	8.65	
200	260	46	52	68		24	599	68	150	115	10.1	
210	275					26	620	85.5	160	125	11.22	
220	285					30	715	96	162	125	12.2	
240	305	50	56	74	M16	32	768	104	165	130	12.7	
250	315					32	800	128	145	115	13.2	
260	325					32	915	153	150	120	19.2	
280	355	60	66	86.5	M18	36	1020	210	150	120	20.5	
300	375					36	1310	224	145	115	29.6	
320	405	72	78	100.5	M20	36	1630	294	145	115	31.1	
340	425					36	1620	308	135	110	42.2	
360	455					36	1610	322	130	105	44	
380	475	84	90	116	M22	40	1780	374	135	110	46	
400	495					40	1780	374	135	110	50	
420	515					40	1780	374	135	110	50	

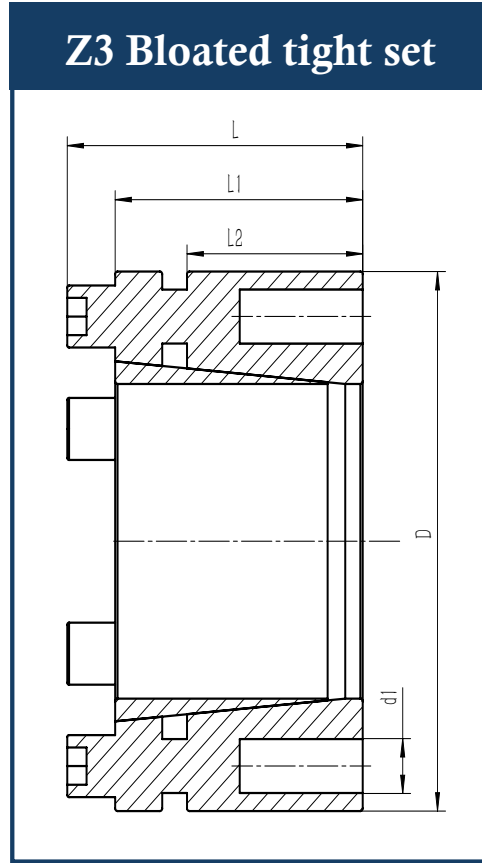
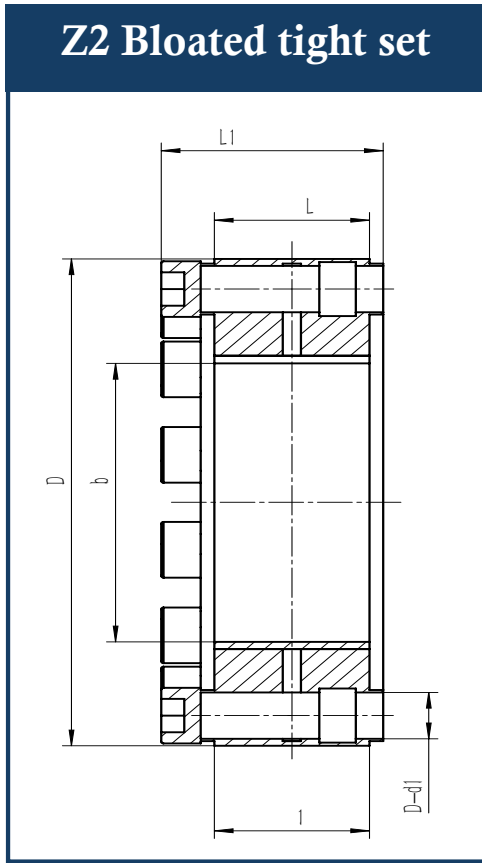


Table for Z2 Bloated tight set

Basic Dimensions							Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Torque M1 N/mm ²	Pressure Pf' on Shrink Disc & Hub Contact Surface N/mm ²	Bolt Tightening Torque MA N·m	Weight kg
d	D	l	L	L1	d1	n	Axial Force F1 (KN)	KN·m				
mm												
450	555					40	2050	461.25	124	100	1000	65
480	585					42	2160	518.4		71		
500	605					44	2240	560		72.6		
530	640					45	2330	617		83.6		
560	670					48	2440	680		85		
600	710					50	2580	775		91		
630	740					52	2680	844		94		
670	780	96	102	130	M24	56	2820	944		100		101
710	820					60	2970	1054		100		106
750	860					62	3130	1173		100		112
800	910					66	3260	1300		100		118
850	960					70	3500	1487		100		125
900	1010					75	3680	1650		100		132
950	1060					80	3870	1838		100		139
1000	1110					82	4000	2000		100		146

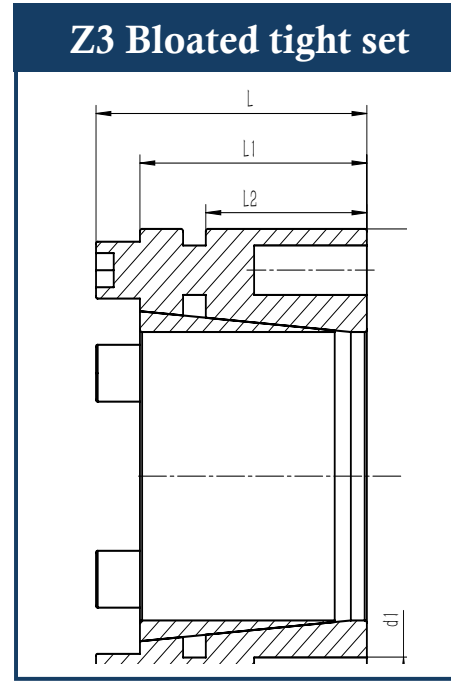
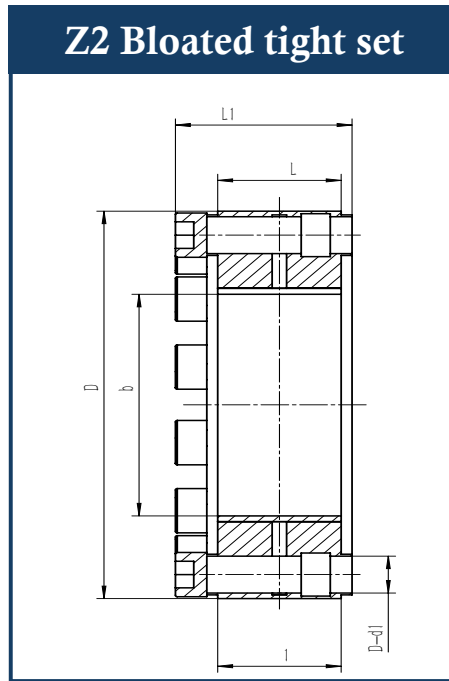


Table for Z3 Bloated tight set

Basic Dimensions							Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Torque M1	Pressure Pf' on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque MA	Weight kg
d	D	l	L	L1	d1	n	Axial Force F1 (KN)	KN·m				
mm												
20	47					4	30	0.3	287	90	17	0.29
22	47							0.33	260	90		0.27
25	50					5	35	0.44	287	106		0.3
28	55	37	31	21.7	M6			0.49	256	96		0.36
30	55							0.53	239	96		0.34
35	60					6	45	0.81	246	106		0.38
40	65							0.94	215	98		0.41
45	75							1.86	283	134		0.7
50	80					7	80	2.07	255	126		0.76
55	85	46	38	25.3	M8			2.54	270	138		0.82
60	90							2.77	247	130		0.88
65	95					8	105	3.58	261	141		0.94
70	110					7	140	5.1	244	128	83	2.1
75	115							5.46	228	119		2.2
80	120	60	50	33.4	M10			5.85	214	112		2.3
85	125					8	175	7.45	230	129		2.4
90	130							7.9	217	124		2.6
95	135				9.9			257	149	2.7		
100	145					10	220	11	192	114		3.7
105	150							11.55	210	114		3.9
110	155							12.1	175	107		4
120	165	68	58	40.8	M12	12	260	15.7	192	120		4.3
125	170						17.5	189	120	4.8		
130	180					10	320	20.7	188	120		145
140	190				22.5			175	114	6.3		
150	200	77	65	45.4	12			380	28.5	196	130	

All dimensions in millimeters unless otherwise stated.

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Z3 Short-type Bloated tight set

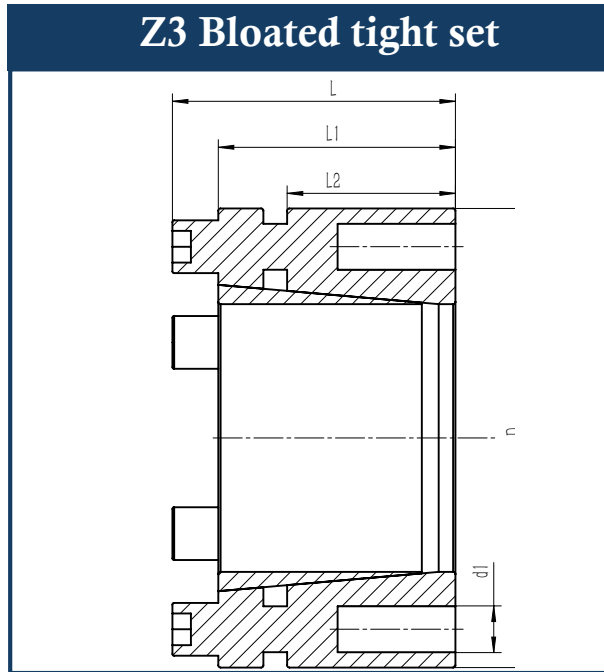


Table for Z3 Short-type Bloated tight set

Basic Dimensions							Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Torque M1	Pressure Pf on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight
d	D	l	L	L1	d 1	n	Axial Force F1 (KN)	KN·m			MA	kg
mm									N/mm ²	N/mm ²	N·m	
20	47					4	30	0.30	287	90	17	0.29
22	47					5		0.33	260	90		0.27
24	50							0.44	287	106		0.30
25	50						6	35	0.49	256		96
20	55	34	28	17	M6	0.53		239	96	0.34		
30	55					0.81		246	106	0.38		
32	60					7	45	0.94	215	98		0.41
35	60						1.86	283	134	0.70		
38	65						2.07	255	126	0.76		
40	65					8	80	2.54	270	138		0.82
42	75						2.77	247	130	0.88		
45	75						7	90	3.58	261		141
48	80					5.10		244	128	2.10		
50	80	41	33	20	M8	5.46		228	119	41	2.20	
65	85					8	140	5.85	214	112	2.30	
60	90						7.45	230	129	2.40		
65	95						7.90	217	124	2.60		
70	110					10	205	9.90	257	149	2.70	
75	115						11.00	192	114	3.70		
80	120	50	40	24	M10		11.55	210	114	83	3.90	
85	125					12.10	175	107	4.00			
90	130					15.70	192	120	4.30			
95	135					12	260	17.50	189	120	4.80	
100	145						17.50	189	120	5.90		
110	155	56	44	26	M12		20.70	188	120	145	6.30	
110	155					22.50	175	114	6.30			
120	165					28.50	196	130	6.70			

Note: The mechanical property class of the screw for Z3 type shrink disc coupling is Class 12.9.

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z4 Bloated tight set

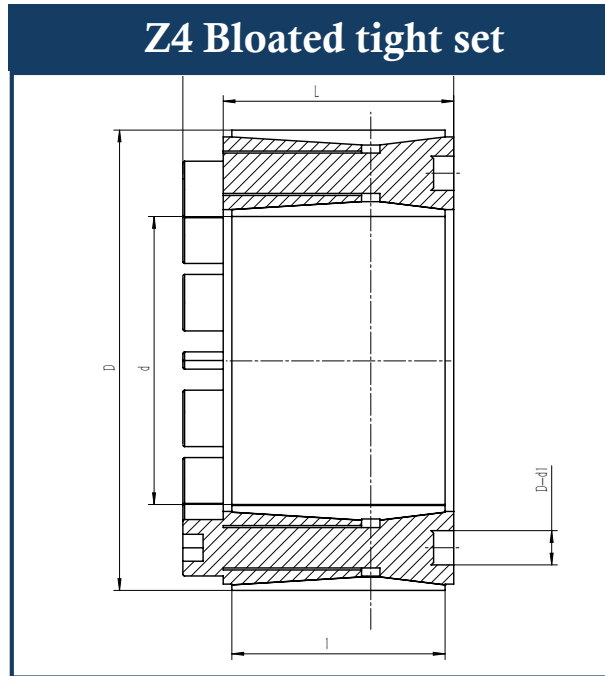


Table for Z4 Bloated tight set

Basic Dimensions						Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Torque M1	Pressure Pf' on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight	
d	D	l	L	L1	d1	n	Axial Force F1 (KN)					KN·m
mm								N/mm ²	N/mm ²	N·m		
70	120					8	197	6.85	201	117		3.3
80	130	56	62	74	M12	12	291	11.65	263	162	145	3.7
90	140						290	13	234	150		4
100	160						389	19.7	213	133		7.2
110	170						483	22.6	242	157		7.7
120	180					15	482	28	222	148		8.3
		74	80	94	M14			90			230	
125	185						480	30	212	143		8.5
130	190							31.2	205	140		8.8
140	200						574	40.2	227	159		9.3
150	210					18	572	42.9	212	152		10
160	230						800	64	227	158		14.9
170	240						795	67.8	214	152		15.7
180	250	88	94	110	M16	21	923	83	235	170	355	16.4
190	260						921	88	223	163		17.2
200	270					24	1050	105	242	179		18.8
210	290					20	1118	117.3	197	143		23
220	300					21	1120	123	189	138		27.7
240	320	110	116	134	M18	24	1280	153	198	148	485	29.8
250	330						1282	160.2	205	157		31
260	340					27	1430	186	205	157		32
280	370	130	136	156	M20	24	1650	230	192	145	690	46
300	390							245	179	138		49

Note: The mechanical property class of the screw for Z4 type shrink disc coupling is Class 12.9.

Z5 Bloated tight set

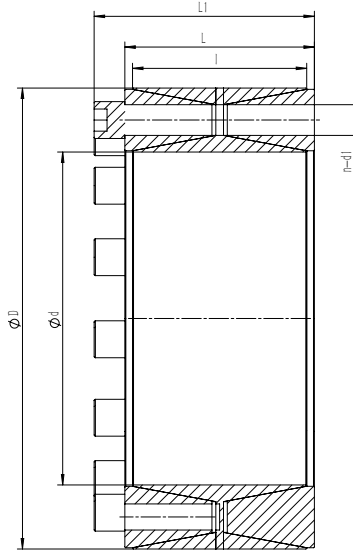


Table for Z5 Bloated tight setV

Basic Dimensions							Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Torque M1	Pressure P _f on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque MA	Weight
d	D	l	L	L1	d 1	n	Axial Force F1 (kN)	KN·m				
mm												
100	145					10	288	14.4	192	132		4.1
110	155	60	65	77	M12	12	346	15.8	175	123	145	4.4
120	165					15	433	20.8	192	139		4.8
130	180					18	519	28.1	193	139		6.5
140	190	68	74	86	M12	21	606	36.3	214	157	145	7
150	200					18	519	39	200	150		7.4
160	210					21	606	48.5	219	167		7.8
170	225	75	81	95	M14	18	712	60.6	215	162		10
180	235					20	792	64.1	203	155	230	10.6
190	250	88	94	108	M14	24	950	75.2	178	135		14.3
200	260					24	950	95	203	156		15
210	275					18	970	102	187	142		17.5
220	285					18	990	109	183	141		19.8
240	305	98	104	120	M16	24	1318	158	222	176	355	21.4
250	315					24	1340	167.5	215	170		22
260	325					25	1370	178	215	172		23
280	355	120	126	144	M18	24	1590	222.5	188	149		35.2
300	375					24	1650	248	183	146	485	37.4
320	405	135	142	162	M20	25	2140	344	192	152		51.3
340	425					25	2140	365	181	144	690	54.1
360	455					25	2140	480	176	139		75.4
380	475	158	165	187	M22	25	2670	508	166	133		79
400	495					25	2670	535	158	128	930	82.8
420	515					30	3200	673	181	147		86.5
450	555					30	3700	832.5	175	142		112
480	585	172	180	204	M24	32	3950	948	168	139	1200	119
500	605					32	3950	988	168	139		123
530	640					30	4320	1145	157	130		151
560	670	190	200	227	M27	30	4320	1210	148	124	1600	160
600	710					32	4610	1380	147	124		170

Note: The mechanical property class of the screw for Z5 type shrink disc coupling is Class 12.9.

Expansion Sleeve

Z6 Bloated tight set

Z6 Bloated tight set

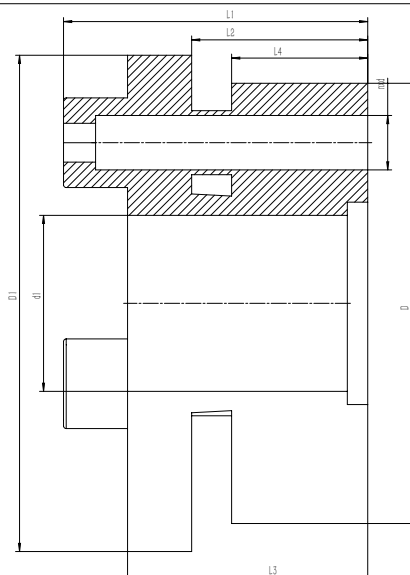


Table for Z6 Bloated tight set

Basic Dimensions							Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Weight
d	D	L4	L3	L2	D1	L1	Axial Force	Torque	d1	n	MA	Pf	Pf'	kg
mm							KN	KN-m			N-m			
14	55	17	30	22	62	38	18	127	M8	3	25	208	52.5	0.48
16	55	17	30	22	62	38	18	142	M8	3	25	181	52.5	0.47
18	55	17	30	22	62	38	18	157	M8	3	25	161	52.5	0.46
19	55	17	30	22	62	38	18	165	M8	3	25	152	52.5	0.46
20	55	17	30	22	62	38	18	172	M8	3	25	145	52.5	0.45
22	55	17	30	22	62	38	25.5	285	M8	3	35	186	75	0.44
24	55	17	30	22	62	38	25.5	307	M8	3	35	170	75	0.42
25	55	17	30	22	62	38	25.5	315	M8	3	35	163	75	0.41
28	55	17	30	22	62	38	31.5	435	M8	3	41	175	89	0.39
30	55	17	30	22	62	38	31.5	472	M8	3	41	163	89	0.37
24	65	17	30	22	72	38	37.4	440	M8	5	30	244	90	0.62
25	65	17	30	22	72	38	37.4	460	M8	5	30	234	90	0.61
28	65	17	30	22	72	38	43.6	600	M8	5	35	243	105	0.58
30	65	17	30	22	72	38	43.6	640	M8	5	35	227	105	0.56
32	65	17	30	22	72	38	43.6	690	M8	5	35	213	105	0.55
35	65	17	30	22	72	38	52.5	910	M8	5	41	234	126	0.51
38	65	17	30	22	72	38	52.5	990	M8	5	41	216	126	0.48
40	65	17	30	22	72	38	52.5	1050	M8	5	41	205	125	0.46
30	80	20	33	25	87	41	52.4	780	M8	7	30	232	87	1.01
32	80	20	33	25	87	41	52.4	830	M8	7	30	217.5	87	0.99
35	80	20	33	25	87	41	61	1060	M8	7	35	232	102	0.96
38	80	20	33	25	87	41	61	1150	M8	7	35	214	102	0.92
40	80	20	33	25	87	41	61	1220	M8	7	35	203	102	0.89
42	80	20	33	25	87	41	73.5	1540	M8	7	41	233	122	0.86
45	80	20	33	25	87	41	73.5	1650	M8	7	41	217	122	0.82
48	80	20	33	25	87	41	73.5	1760	M8	7	41	203	122	0.76
50	80	20	33	25	87	41	73.5	1830	M8	7	41	195	122	0.73

Note: The mechanical property class of the screw for Z6 type shrink disc coupling is Class 12.9.

All dimensions in millimeters unless otherwise stated.

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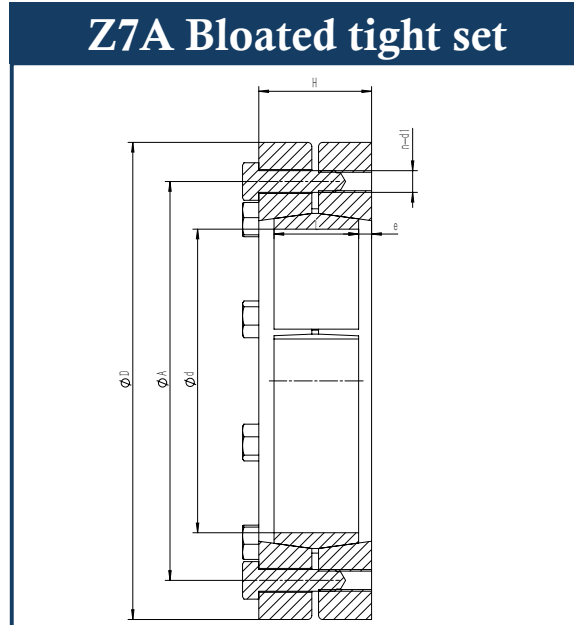


Table for Z7A Bloated tight set

Basic Dimensions						Hexagon Socket Screw		Rated Load		Bolt Tightening Torque	Weight	
d	D	dn	L	H	e	d1	n	Axial Force	Torque			MA
mm								F1	M1	N·m		
								KN	KN·m			
125	185	95					8	242	11.5	58	6	
		100						260	13			
		105						276	14.5			
140	220	110	39	52	6	M10×40	10	391	16	58	8	
		120						330	20			
		125						352	22			
155	245	130					12	385	25	100	10	
		135						427	28.8			
		140						464	32.5			
165	260	135					10	474	32	100	14	
		140						507	32.5			
		145						538	39			
175	275	145	46	62	8	M12×50	10	538	39	100	16	
		150						573	43			
		155						606	47			
185	295	155					12	632	49	100	20	
		160						662	53			
		165						691	57			
195	315	165	56	72		M12×55	15	800	66	240	27	
		170						835	71			
		175						869	76			
220	345	180	66	84		M16×65	9	978	88	240	35	
		190						1063	101			
		200						1140	114			
240	370	200					12	1200	120	240	44	
		210						1276	134			
		215						1312	141			
260	395	220	72	92		M16×70	12	1309	144	240	48	
		230						1384	159			
		235						1421	167			

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z7A Bloated tight set

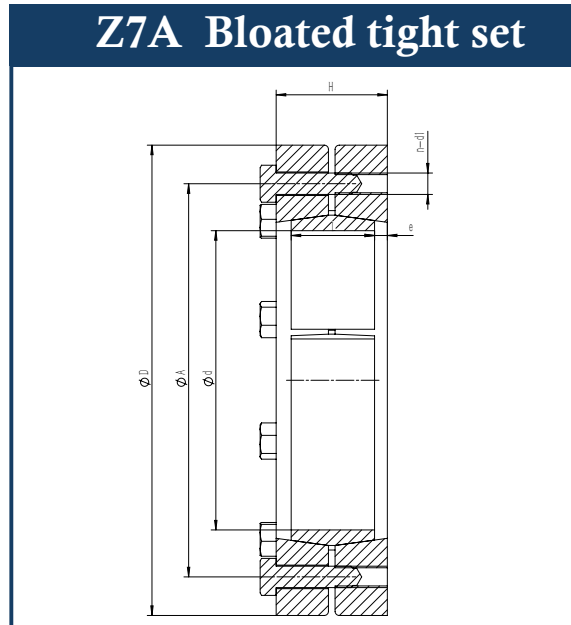


Table for Z7A Bloated tight set

Basic Dimensions						Hexagon Socket Screw	Rated Load		Bolt Tightening Torque	Weight	
d	D	dn	L	H	e	d1	n	Axial Force			Torque
mm								F1	M1	MA	
								KN	KN·m	N·m	
280	425	230	104	10	10	M16×75	15	1478	170	470	kg
		240						1583	190		
		250						1680	210		
300	460	250	84	10	10	M16×75	16	1704	213		
		260						1800	234		
		270						1889	255		
320	495	270	106	11	11	M16×80	18	1955	264		
		280						2036	285		
		290						2076	301		
340	535	290	106	11	11	M16×80	20	2193	318		
		300						2300	345		
		305						2354	359		
360	555	300	100	122	12	M20×90	15	2547	382		
		310						2645	410		
		320						2738	438		
390	595	330	112	136	12	M20×100	18	3091	510		
		340						3194	543		
		350						3291	576		
420	630	350	120	144	13	M20×100	20	3371	590		
		360						3500	630		
		370						3620	670		
460	685	390	132	158	13	M20×110	24	3949	770		
		400						4300	860		
		410						4634	950		
500	750	420	152	178	13	M20×120	30	4881	1025		
		430						5233	1125		
		440						5568	1225		

Note: The mechanical property class of the screw for Z7A type shrink disc coupling is Class 10.9.

All dimensions in millimeters unless otherwise stated.

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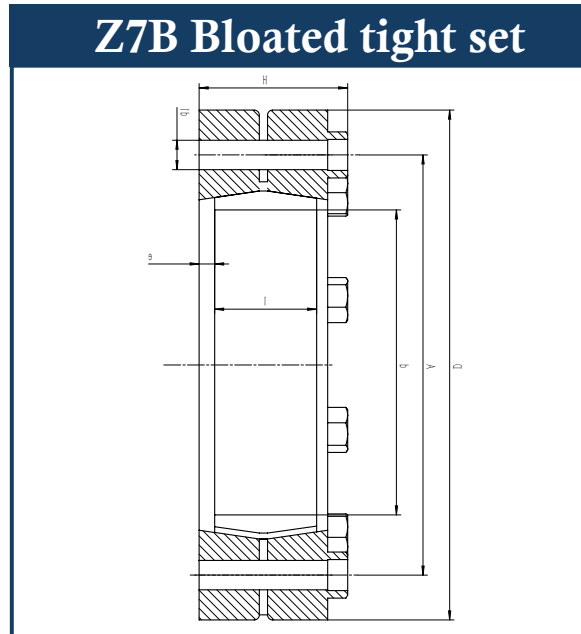


Table for Z7B Bloated tight set

Basic Dimensions					Hexagon Socket Screw		Rated Load		Bolt Tightening Torque	Weight		
d	D	dn	L	H	e	d1	n	Axial Force			Torque	
mm								F1	M1	MA	kg	
								KN	KN·m	N·m		
140	230	95	46	58	7	M12×45	10	317	15.1	100	10	
		100						352	17.6			
		105						382	20.1			
155	263	105	50	62		M12×50	12	419	22			
		110						454	25			
		115						487	28			
165	290	115	56	68		M16×55	8	539	31		240	22
		120						583	35			
		125						624	39			
175	300	125	71	85	M16×65	8	640	40				
		130					677	44				
		135					711	48				
185	330	135	88	103	M16×75	10	815	55	470	37		
		140					857	60				
		145					896	65				
195	350	140	92	107	M20×80	12	928	65		82	41	
		150					1013	76				
		155					1052	81.5				
200	350	150	103	119	M20×85	12	1040	78			204	54
		155					1084	84				
		160					1125	90				
220	370	160	103	119	M20×85	15	1250	100	204			54
		165					1309	108				
		170					1365	116				
240	405	170	92	107	M20×80	12	1412	120		204		67
		180					1533	138				
		190					1642	156				
260	430	190	103	119	M20×85	12	1726	164			204	82
		190					1840	184				
		210					1943	204				

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

Expansion Sleeve

Z7B Bloated tight set

Table for Z7B Bloated tight set

Basic Dimensions						Hexagon Socket Screw		Rated Load		Bolt Tightening Torque	Weight
d	D	dn	L	H	e	d1	n	Axial Force	Torque		
mm									F1	M1	MA
								KN	KN·m	N·m	
280	460	210	114	132		M20×95	15	2062	217	470	102
		220						2227	245		
		230						2374	273		
300	485	230	122	140		M20×100	16	2278	262		
		240						2442	293		
		245						2514	308		
320	520	240					18	2550	306		
		250						2720	340		
		260						2877	374		
340	570	250	134	155				3152	394		
		260						3308	430		
		270						3452	466		
350	590	270					24	3393	458		
		280						3572	500		
		285						3656	521		
360	590	280	140	159		M20×110	24	3622	507		
		290						3793	550		
		295						3878	572		
380	645	290	144	163			18	4069	590		
		300						4267	640		
		310						4452	690		
390	660	300					20	4400	660		
		310						4580	710		
		320						4750	760		
420	690	330	164	184			20	4727	780		
		340						4940	840		
		350						5143	900		
440	750	340	172	192			24	5235	890		
		350						5486	960		
		360						5722	1030		
460	770	360						5556	1000		
		370						5784	1070		
		380						6000	1140		
480	800	380	188	213			28	6316	1200		
		390						6513	1270		
		400						6700	1340		
500	850	400					24	7200	1440		
		410						7415	1520		
		420						7619	1600		
530	910	430	213	238			30	8465	1820		
		440						8818	1940		
		450						9156	2060		
560	940	450						8889	2000		
		460						9261	2130		
		470						9617	2260		

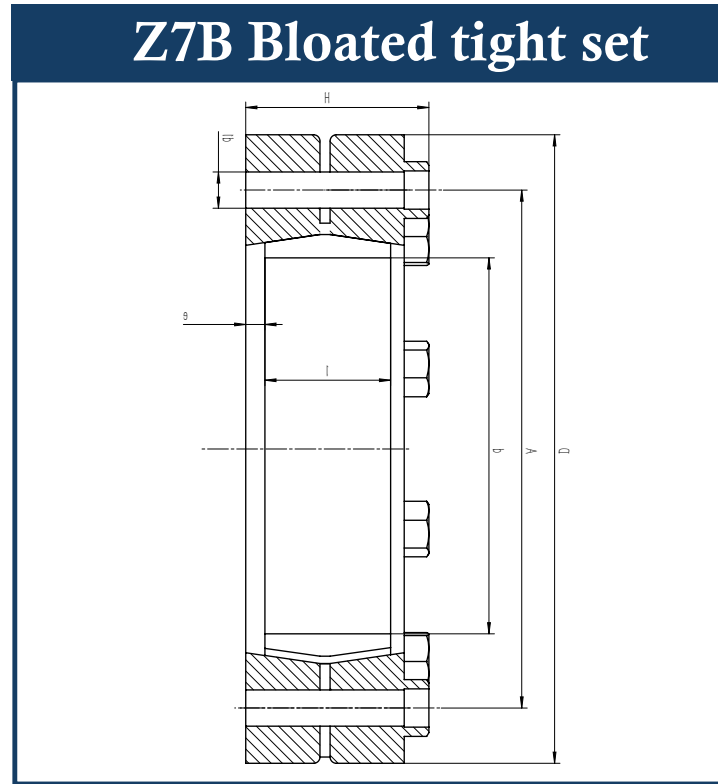


Table for Z7B Bloated tight set

Basic Dimensions						Hexagon Socket Screw	Rated Load		Bolt Tightening Torque	Weight	
d	D	dn	L	H	e	d1	n	Axial Force	Torque	MA	kg
mm								F1	M1		
								KN	KN·m	N·m	
590	980	470	228	260		M27×170	36	9574	2250	1640	900
		480						10000	2400		
		490						10410	2550		
620	1020	500	254	286		M30×190	30	10800	2700	1640	1080
		510						11220	2860		
		520						11620	3020		
660	1070	530	260	292		M30×190	36	11700	3100	1640	1190
		540						12150	3280		
		550						12580	3460		
700	1180	560				M30×200	40	12320	3450	1640	1515
		575						12870	3700		
		590						13390	3950		
750	1250	600	278	310		M30×210	45	14670	4400	1640	1785
		615						15280	4700		
		630						15870	5000		
800	1370	645	296	334		M33×240	40	16740	5400	2200	2390
		660						17420	5750		
		670						18070	6100		
900	1480	720	332	370		M33×240	40	20000	7200	2200	2930
		740						20950	7750		
		760						21840	8300		

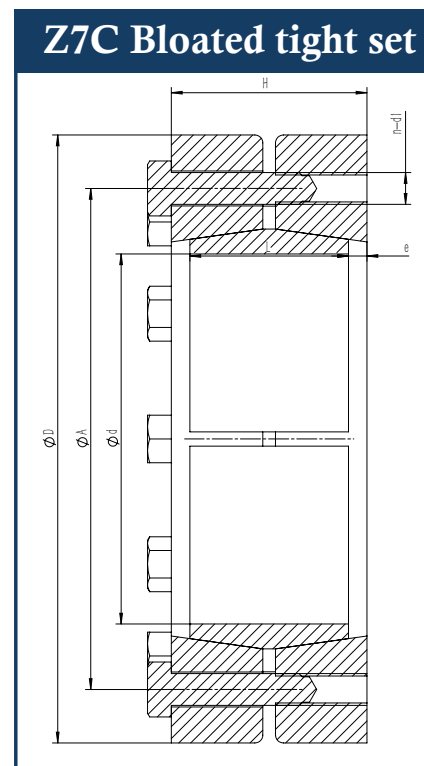
Note: The mechanical property class of the screw for Z7B type shrink disc coupling is Class 10.9.

Expansion Sleeve

Z7C Bloated tight set

Table for Z7C Bloated tight set

Basic Dimensions						Hexagon Socket Screw		Rated Load		Bolt Tightening Torque	Weight kg
d	D	dn	l	H	e	d1	n	Axial Force F1	Torque M1	MA	
mm								KN	KN·m	N·m	
140	230	95	60	74	7	M12×55	12	436	20.7	100	13
		100						480	24		
		105						518	27.2		
155	263	105	66	80	7	M12×60	15	545	28.6	100	20
		110						591	32.5		
		115						633	36.4		
165	290	115	72	88	8	M16×65	10	701	40.3	240	26
		120						758	45.5		
		125						811	50.7		
175	300	125	72	88	8	M16×65	10	832	52	240	29
		130						880	57.2		
		135						924	62.4		
185	330	135	92	112	10	M16×80	15	1037	70	240	47
		140						1100	77		
		145						1159	84		
200	350	145	92	112	10	M16×80	15	1291	93	240	50
		150						1353	101.5		
		155						1409	109.2		
220	370	160	114	134	10	M16×90	20	1625	130	240	65
		165						1703	140.5		
		170						1776	151		
240	405	170	120	144	10	M20×100	15	1835	156	470	87
		180						1994	179.5		
		190						2137	203		
260	430	190	136	160	12	M20×110	16	2242	213	470	100
		200						2390	239		
		210						2542	265		
280	460	210	148	172	12	M20×110	20	2686	282	470	132
		220						2900	319		
		230						3087	355		
300	485	230	152	176	12	M20×110	20	2965	341	470	140
		240						3175	381		
		245						3273	401		
320	520	240	160	184	12	M20×120	24	3317	398	820	165
		250						3536	442		
		260						3738	486		
340	570	250	176	200	12	M20×130	24	4080	510	820	240
		260						4307	560		
		270						4519	610		
360	590	270	180	204	12	M24×130	20	4707	659	820	250
		280						4931	715		
		295						5044	744		



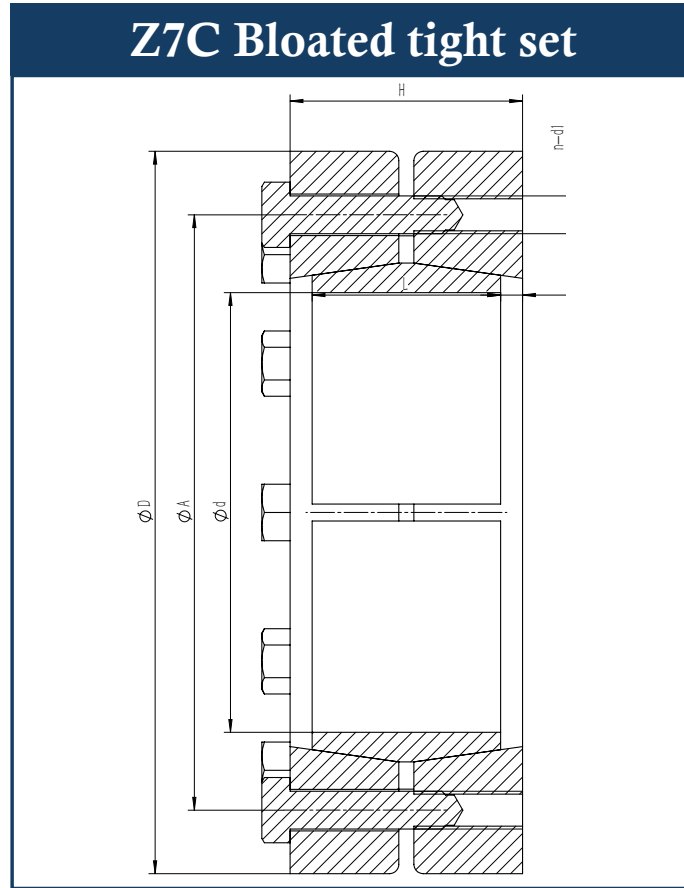


Table for Z7C Bloated tight set

Basic Dimensions						Hexagon Socket Screw		Rated Load		Bolt Tightening Torque	Weight
d	D	dn	l	H	e	d1	n	Axial Force F1	Torque		
mm								KN	KN·m	N·m	
390	660	300	188	212	14	M24×140	24	5733	860	1210	350
		310						5903	915		
		320						6063	970		
420	690	330	214	238	14	M24×150	28	6182	1020	1210	410
		340						6470	1100		
		350						6743	1180		
460	770	360	224	252	14	M27×170	24	7222	1300	1210	540
		370						7514	1390		
		380						7789	1480		
500	850	400	246	274	14	M27×180	30	9400	1880	1210	750
		410						9659	1980		
		420						9905	2080		

Note: The mechanical property class of the screw for Z7C type shrink disc coupling is Class 10.9.

Expansion Sleeve

Z8 Bloated tight set

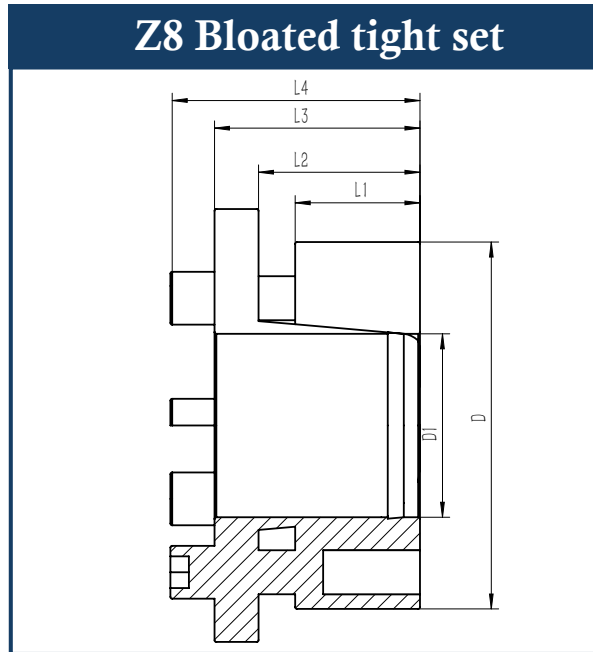


Table for Z8 Bloated tight set

Basic Dimensions						Hexagon Socket Screw		Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight
d	D	L1	L2	L3	L4	d 1	n	Axial Force F1	Torque				
mm								KN	M1				Pf
									KN·m	N/mm ²	N/mm ²	N·m	
20	47	17	22	28	34	M6×20	5	30	0.29	220	95	17	0.25
22	47	17	22	28	34	M6×20	5	30	0.32	200	95		0.25
24	50	17	22	28	34	M6×20	5	30	0.37	200	95		0.27
25	50	17	22	28	34	M6×20	6	36	0.45	215	110		0.27
28	55	17	22	28	34	M6×20	6	36	0.5	200	100		0.32
30	55	17	22	28	34	M6×20	6	36	0.54	190	100		0.35
32	60	17	22	28	34	M6×20	8	48	0.77	215	115		0.37
35	60	17	22	28	34	M6×20	8	48	0.84	190	110		0.34
38	65	17	22	28	34	M6×20	8	48	0.91	195	115		0.4
40	65	17	22	28	34	M6×20	8	48	0.96	190	105		0.38
45	75	20	25	33	41	M8×25	7	77	1.75	230	135	41	0.63
50	80	20	25	33	41	M8×25	7	77	1.93	210	130		0.68
55	85	20	25	33	41	M8×25	8	88	2.45	215	135		0.73
60	90	20	25	33	41	M8×25	8	88	2.7	190	125		0.78
63	95	20	25	33	41	M8×25	9	100	3.18	205	140		0.89
65	95	20	25	28	41	M8×25	9	100	3.25	200	135		0.83
70	110	24	30	40	50	M10×30	8	141	5	220	140	83	1.33
75	115	24	30	40	50	M10×30	8	141	5.25	200	130		1.4
80	120	24	30	40	50	M10×30	8	141	5.6	190	125		1.48
85	125	24	30	40	50	M10×30	9	159	6.75	200	135		1.55
90	130	24	30	40	50	M10×30	9	159	7.1	190	130		1.63
95	135	24	30	40	50	M10×30	10	176	8.35	200	140		1.7
100	145	26	32	44	56	M12×30	8	205	10.3	210	145	145	2.6
110	155	26	32	44	56	M12×30	8	205	11.25	190	135		2.8
120	165	26	32	44	56	M12×30	9	231	13.9	210	145		3

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

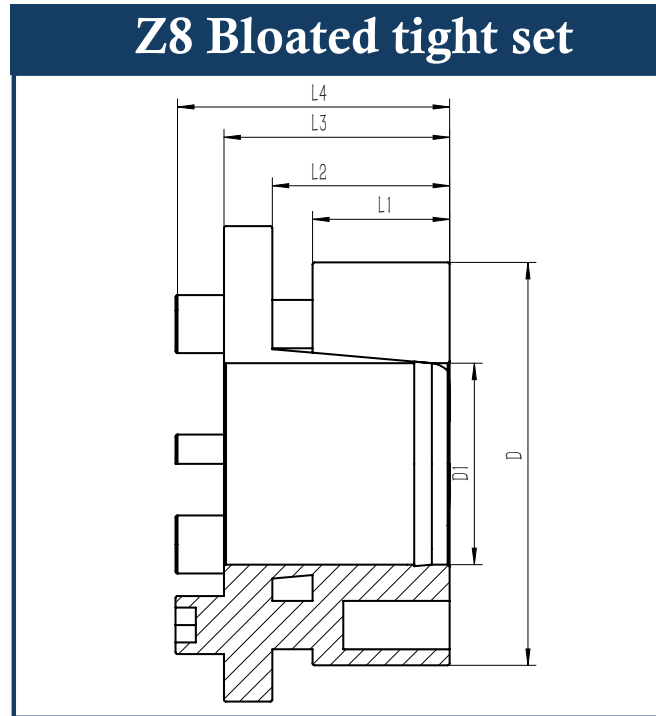


Table for Z8 Bloated tight set

Basic Dimensions						Hexagon Socket Screw		Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight
d	D	L1	L2	L3	L4	d 1	n	Axial Force F1	Torque				
mm								KN	M1	Pf	Pf'	MA	kg
									KN·m	N/mm ²	N/mm ²	N·m	
130	180	34	40	52	64	M12×30	12	308	20	190	140		4.6
140	190	34	40	54	68	M14×40	9	317	22.25	180	130		4.9
150	200	34	40	54	68	M14×40	10	352	26.3	190	140		5.2
160	210	34	40	54	68	M14×40	11	287	31	190	145		5.5
170	225	44	40	64	78	M14×40	12	422	35.9	150	115	230	7.75
180	235	44	50	64	78	M14×40	12	422	38	145	110		8.15
190	250	44	50	64	78	M14×40	15	528	50.1	170	130		9.5
200	260	44	50	64	78	M14×40	15	528	52.8	160	125		9.9
220	285	50	56	72	88	M16×40	12	587	64.5	145	110		13.4
240	305	50	56	72	88	M16×40	15	734	88	165	130	355	14.3
260	325	50	56	72	88	M16×40	18	880	114	180	145		15.5
280	355	60	66	84	102	M18×50	16	948	132	150	120	485	22.9
300	375	60	66	84	102	M18×50	18	1059	159	160	125		24.4
320	405	74	81	101	121	M20×50	18	1374	220	150	120	690	36.1
340	425	74	81	101	121	M20×50	21	1603	272.5	175	135		38.4
360	455	86	94	116	138	M22×60	18	1710	308	140	110		46.2
380	475	86	94	116	138	M22×60	21	1995	379	155	125	930	55
400	495	86	94	116	138	M22×60	21	1995	399	150	120		61

Note: The mechanical property class of the screw for Z8 type shrink disc coupling is Class 12.9.

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z9 Bloated tight set

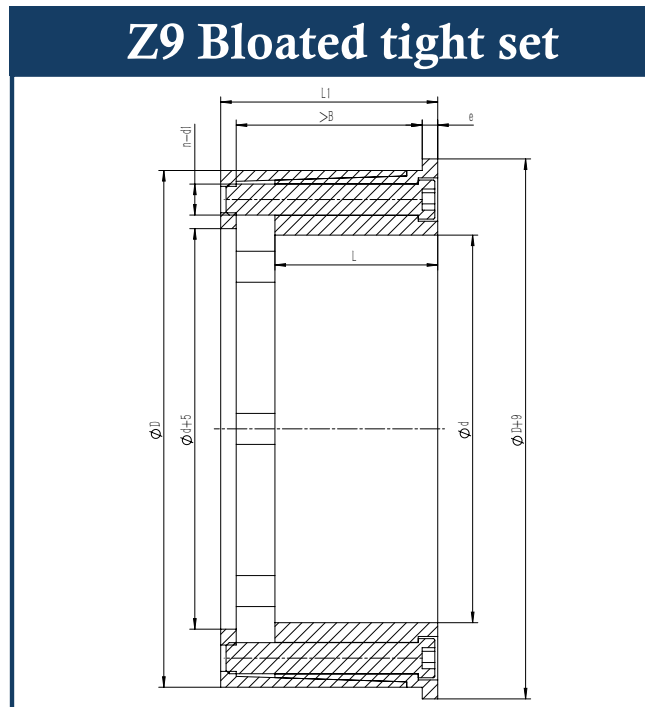


Table for Z9 Bloated tight set

Basic Dimensions						Hexagon Socket Screw	Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Pf	Pressure on Shrink Disc & Hub Contact Surface Pf'	Bolt Tight- ening Torque MA	Weight kg	
d	D	L	L1	e	B		d1	n					Axial Force F1
mm								KN	KN·m	N/mm ²	N/mm ²	N·m	
100	145	54	75	5	65	M12×60	8	192	9.6	102	70	145	4.7
110	155	54	75	5	65	M12×60	8	191	10.5	93	66	145	5.1
120	165	54	75	5	65	M12×60	9	216	13	96	70	145	5.5
130	180	63	84	6	72	M12×70	12	287	17.8	100	78	145	7.5
140	190	63	84	6	72	M12×70	12	287	20.2	94	69	145	7.9
150	200	63	84	6	72	M12×70	12	287	21.6	88	66	145	8.4
160	210	63	84	6	72	M12×70	15	360	28.8	101	77	145	8.9
170	225	63	84	6	72	M12×70	16	383	32.6	101	76	145	10.5
180	235	63	84	6	72	M12×70	18	431	38.8	108	82	145	11
190	250	69	94	6	81	M14×75	15	493	46.8	106	80	230	14.3
200	260	69	94	6	81	M14×75	16	526	52.8	100	77	230	15
220	285	69	94	6	81	M16×75	14	640	70	119	92	355	17.8
240	305	86	112	7	98	M16×90	16	731	88	96	75	355	23.2
260	325	86	112	7	98	M16×90	18	822	107	103	82	355	24.8
280	355	94	120	8	106	M16×100	20	910	128	96	75	355	33
300	375	94	120	8	106	M16×100	22	1000	151	99	79	355	36
320	405	109	142	8	125	M20×120	18	1280	206	101	80	690	52
340	425	109	142	8	125	M20×120	20	1420	242	106	85	690	54
360	455	120	159	8	140	M22×130	20	1770	319	113	89	930	72
380	475	120	159	8	140	M22×130	20	1770	337	109	87	930	75
400	485	120	159	8	140	M22×130	20	1770	355	101	83	930	79
420	515	120	159	8	140	M22×130	22	1980	410	107	87	930	82

Note: The mechanical property class of the screw for Z9 type shrink disc coupling is Class 12.9.

All dimensions in millimeters unless otherwise stated.

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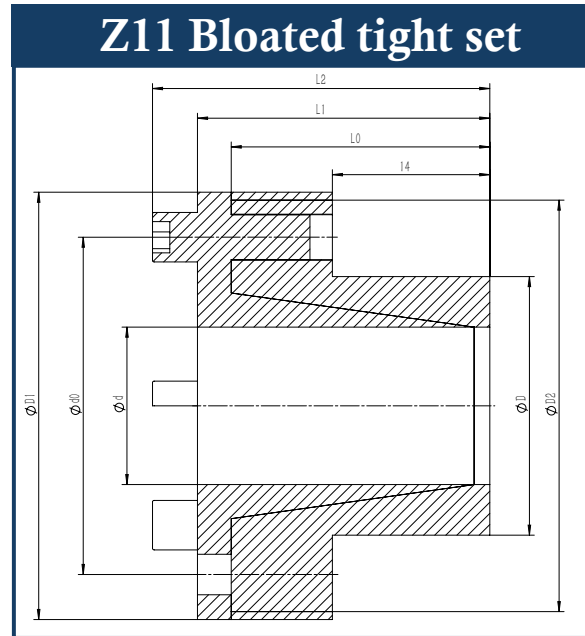


Table for Z11 Bloated tight set

Size	Basic Dimensions						Hexagon Socket Screw		Rated Load		Pressure on Shrink Disc & Shaft Contact Surface Pf	Pressure on Shrink Disc & Hub Contact Surface MA	Weight
	L	L0	L1	L2	D1	D2	d1	N	Axial Force Ft	Torque Mt			
	mm												
12×18	14	23	26	30	32	28	M4×10	4	10	0.058	105	5	0.08
13×23	14	23	26	30	38	34	M4×10	4	10	0.063	80	5	0.13
14×23	14	23	26	30	38	34	M4×10	4	10	0.068	80	5	0.13
15×24	16	29	36	42	45	40	M6×18	4	17	0.127	115	17	0.26
16×24	16	29	36	42	45	40	M6×18	4	17	0.136	115	17	0.26
17×26	18	31	38	44	47	42	M6×18	4	21.6	0.18	125	17	0.27
18×26	18	31	38	44	47	42	M6×18	4	21.6	0.196	126	17	0.27
19×27	18	31	38	44	49	45	M6×18	4	21.6	0.206	122	17	0.29
20×28	18	31	38	44	50	44	M6×18	4	21.6	0.216	118	17	0.3
22×32	25	38	45	51	54	48	M6×18	4	21.6	0.245	74	17	0.38
24×34	25	38	45	51	56	50	M6×18	4	21.6	0.265	70	17	0.41
25×34	25	38	45	51	56	50	M6×18	4	21.6	0.274	70	17	0.45
28×39	25	38	45	51	61	55	M6×18	6	32.3	0.461	91	17	0.47
30×41	25	38	45	51	62	57	M6×18	6	32.3	0.5	86	17	0.48
32×43	25	38	45	51	65	59	M6×18	6	32.3	0.529	82	17	0.52
35×47	32	45	52	58	69	62	M6×18	8	44.1	0.774	78	17	0.63
38×50	32	45	52	58	72	66	M6×18	8	44.1	0.843	74	17	0.67
40×53	32	45	52	58	75	69	M6×18	8	44.1	0.882	70	17	0.73
42×55	32	45	52	58	78	71	M6×18	8	44.1	0.931	68	17	0.78
45×59	45	62	70	78	86	80	M8×22	8	82.3	1.85	82	41	1.23
48×62	45	62	70	78	87	81	M8×22	8	82.3	1.97	78	41	1.24
50×65	45	62	70	78	92	86	M8×22	8	82.3	2.06	74	41	1.4
55×71	55	72	80	88	98	92	M8×22	9	92.1	2.55	63	41	1.7
60×77	55	72	80	88	104	98	M8×22	9	92.1	2.77	58	41	1.9
65×84	55	72	80	88	111	105	M8×22	9	92.1	3.01	53	41	2.21
70×90	65	86	96	106	119	113	M10×25	9	147	5.15	67	83	3.05
75×95	65	86	96	106	126	119	M10×25	9	147	5.49	63	83	3.32
80×100	65	86	96	106	131	125	M10×25	12	196	7.84	79	83	3.5
85×106	65	86	96	106	137	131	M10×25	12	196	8.33	75	83	3.81

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z12ABloated tight set

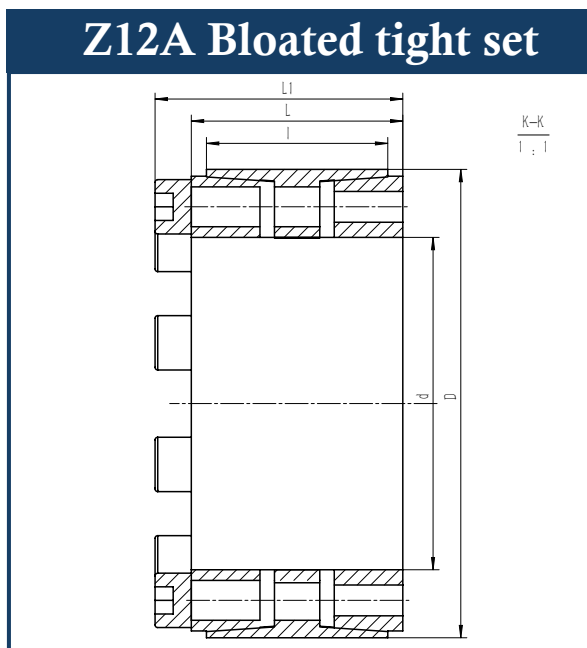


Table for Z12 Bloated tight set

Basic Dimensions					Hexagon Socket Screw	Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight		
d	D	l	L	L1		d1	n	Axial Force	Torque			Pf	pf'
mm							F1	M1	N/mm ²	N/mm ²	MA	kg	
							KN	KN·m			N·m		
25					M6	6		0.84	297	101	17	0.47	
28	55	32	40	46				67	0.94	265		101	0.44
30									1	248		101	0.42
35	60	44	54	60	M8	7	74	1.3	165	87	41	1	
40	75	44	54	62			145	2.9	282	116		116	1.1
45	75	44	54	62			145	3.26	251	116		116	1.2
50	80				M8	8	165	4.15	200	98	41	1.4	
55	85	56	64	72		9	186	5.15	205	104		1.6	
60	90					10	207	6.2	202	106		1.7	
65	95				M10	10	207	6.75	187	100	83	1.9	
70	110					10	329	11.5	223	114		3.1	
80	120	70	78	88		11	362	14.5	215	115		3.5	
90	130				M12	12	390	17.8	208	115	145	3.8	
100	145					14	527	26.3	200	107		6.1	
110	155	90	100	112		17	575	31.8	198	110		7.2	
120	165				M14	18	670	40.4	212	120	230	11.1	
130	180					16	759	49	180	112		11.1	
140	190	104	116	130		18	842.8	59	186	124		11.8	
150	200				19	896.6	67	185	127	12.6			
160	210				20	950	76	183	128	13.4			
170	225				M16	19	1223.5	104	172	113	355	19.6	
180	235					20	1288.8	116	172	115		20.6	
190	250	134	146	162		21	1363	129.5	172	116		23.8	
200	260				22	1437.5	143.7	172	112	24.9			
220	285				24	1581.8	174	172	115	29.6			
240	305				26	1725	207	172	119	31.9			

All dimensions in millimeters unless otherwise stated.

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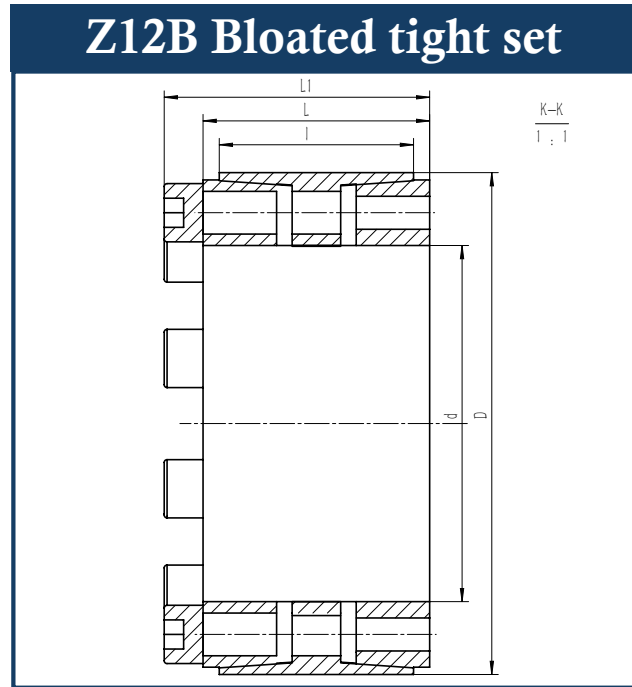
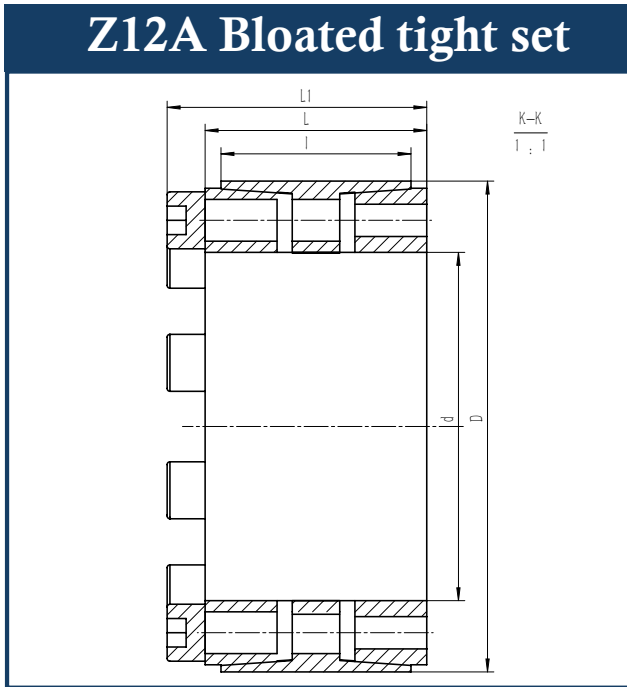


Table for Z12A Bloated tight set

Basic Dimensions					Hexagon Socket Screw	Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight	
d	D	l	L	L1		d1	n	Axial Force	Torque			Pf
mm							F1	M1	N/mm ²	N/mm ²	N·m	kg
							KN	KN·m				
260	325				M20	28	1846	240	170	117	690	34.3
280	355			24		2428.5	340	168	117	52		
300	375	165	177	197		25	2540	381	161	123		55.3
320	405					28	2881	461	175	119		67.3
340	425					29	2994	509	171	119		71
360	455					28	3588.8	646	169	115		96.5
380	475					30	3821	726	170	115		101.2
400	495					31	3960	792	168	120		106
420	515					32	4100	861	165	116		110.7
440	535					24	4260	937	165	112		110
460	555				24	4260	980	158	107	113		
480	575	190	202	224	M22	28	5000	1200	176	121	930	118
500	595					28	5000	1240	169	117		122
520	615					30	5330	1390	174	121		126
540	635					30	5330	1440	168	117		131
560	655					32	5680	1590	172	121		135
580	675					33	5860	1705	172	121		140
600	695					33	5860	1760	166	118		144

Note: The mechanical property class of the screw for Z12A type shrink disc coupling is Class 12.9.

Expansion Sleeve

Z12B Bloated tight set

Table for Z12B Bloated tight set

Basic Dimensions					Hexagon Socket Screw		Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight	
d	D	l	L	L1	d1	n	Axial Force	Torque	Pf	Pf'	MA	kg	
mm							F1	M1	N/mm ²	N/mm ²			MA
							KN	KN·m					N·m
70	110				M10	8	204	7.15	194	107	83	2.3	
80	120	50	60	70		10	250	10.25	212	123		2.5	
90	130					11	280	12.6	207	125		2.7	
100	145				M12	10	372	18.6	205	126	145	4.1	
110	155	60	70	82		10	372	20.5	187	118		4.4	
120	165					11	408	24.5	188	122		4.8	
130	180					14	520	33.8	197	128		6.3	
140	190					15	557	39	196	130		6.6	
150	200	65	79	91		15	557	41.8	183	123		7.8	
160	210				16	593	47.5	183	125	9.4			
170	225				M14	15	764	65.5	193	133	230	10.7	
180	235	78	92	106		15	765	69	182	127		11.3	
190	250	88	102	116		16	815	77.5	163	103		14.6	
200	260				M16	20	1020	102	194	124	355	15.3	
220	285					15	1060	117	174	113		20.2	
240	305		108	124		20	1410	170	212	140		21.8	
260	325	96			M20	21	1480	193	205	138	690	23.4	
280	355		110	130		15	1650	232	213	141		30	
300	375					15	1650	249	198	134		31.2	
320	405	124	136	156		20	2210	354	191	125		48	
340	425					20	2210	376	180	119		51	
360	455					20	2750	496	185	118		69	
380	475					20	2750	524	175	113		73	
400	495					22	3010	602	183	122		76	
420	515					24	3300	694	190	127		80	
440	535					24	3300	728	166	123		81	
460	555				24	3300	760	159	118	85			
480	575	140	155	177	M22	25	3440	830	159	119	930	88	
500	595					25	3440	861	153	115		91	
520	615					28	3850	1003	164	124		95	
540	635					28	3850	1042	158	120		98	
560	655					30	4130	1157	163	125		101	
580	675					30	4130	1199	158	121		104	
600	695					30	4130	1240	153	118		108	

Note: The mechanical property class of the screw for Z12B type shrink disc coupling is Class 12.9.

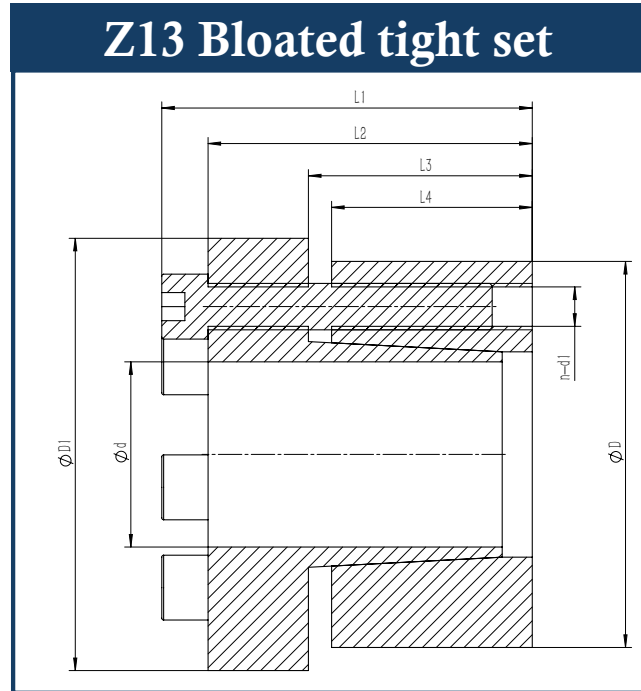
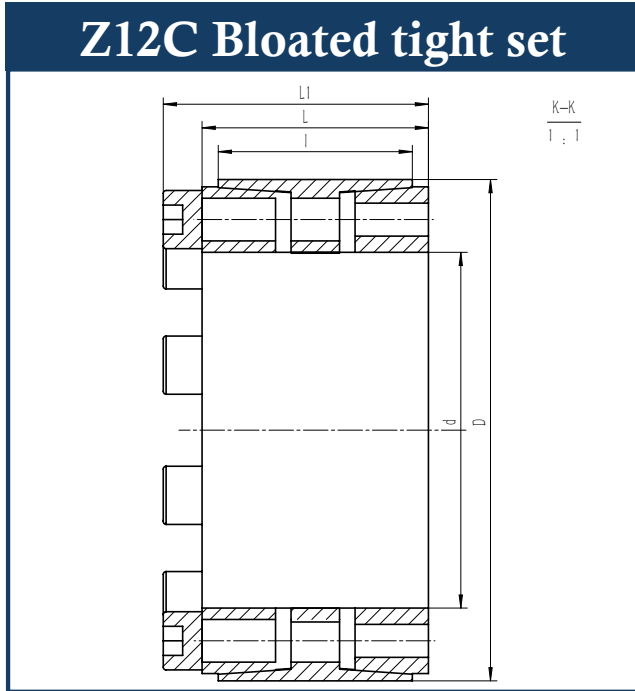


Table for Z12C Bloated tight set

Basic Dimensions					Hexagon Socket Screw		Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight
d	D	l	L	L1	d1	n	Axial Force	Torque	Pf	Pf'		
mm							KN	KN·m	N/mm ²	N/mm ²	MA	
											N·m	kg
70	110					8	121	4.25	115	64		2.3
80	120	50	60	70	M10	10	152	6.1	125	73	49	2.5
90	130					11	167	7.5	122	74		2.7
100	145					10	177	8.81	97	60		4.1
110	155	60	70	82		10	177	9.74	89	56		4.4
120	165					11	193	11.6	89	58		4.8
130	180				M12	14	247	16.06	93	61	69	6.3
140	190					15	264	18.5	93	62		6.6
150	200	65	79	91		15	264	19.86	87	59		7.8
160	210					16	290	23.27	87	60		9.4
170	225					15	363	30.87	92	63		10.7
180	235	78	92	106	M14	15	363	32.75	87	60	108	11.3
190	250					16	387	36.8	78	50		14.6
200	260	88	102	116		20	484	48.45	92	59		15.3
220	285					15	505	55.57	83	54		20.2
240	305	108	124		M16	20	673	80.75	100	67	168	21.8
260	325	96				21	705	91.67	97	66		23.4
280	355					15	877	122.8	114	75		30
300	375		110	130	M20	15	887	133	106	72	369	31.2
320	405					20	1181	189	102	67		48
340	425	124	136	156		20	1181	200.8	96	64		51
360	455					20	1455	262	98	62		69
380	475	140	155	177	M22	20	1455	277.7	93	60	495	73

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z13 Bloated tight set

Table for Z12C Bloated tight set

Basic Dimensions					Hexagon Socket Screw		Rated Load		Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Bolt Tightening Torque	Weight	
d	D	l	L	L1	d1	n	Axial Force	Torque	Pf	Pf'	MA N·m	kg	
mm							F1	M1	N/mm ²	N/mm ²			
							KN	KN·m					
380	475	140	155	177	M22	20	1455	277.7	93	60	495	73	
400	495					22	1595	319	97	65			550
420	515					24	1751	367.8	100	68			
440	535					24	1952	429.5	98	73			
460	555					24	1952	448.4	94	70			
480	575					25	2040	489.7	94	70			
500	595					25	2040	508	90	68			
520	615					28	2273	591	97	73			
540	635					28	2273	614	93	71			
560	655					30	2437	682.6	96	74			
580	675					30	2437	707.4	93	72			
600	695					30	2437	731.6	90	70			

Note: The mechanical property class of the screw for Z12C type shrink disc coupling is Class 8.8.

Table for Z13 Bloated tight set

Basic Dimensions							Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Weight
d	D	L1	L2	L3	L4	D 1	Torque	Axial Force	d1	n	MA N·m	Pf N/mm ²	Pf' N/mm ²	kg
mm							M1	F1						
							KN·m	KN						
20	47	48	42	29	26	53	0.54	54	M6	7	14	276	117	0.51
22	47	48	42	29	26	53	0.6	54	M6	7	14	253	118	0.53
24	50	48	42	29	26	56	0.65	54	M6	7	14	230	110	0.55
25	50	48	42	29	26	56	0.68	54	M6	7	14	222	111	0.65
28	55	48	42	29	26	61	0.76	54	M6	7	14	198	100	0.62
30	55	48	42	29	26	61	0.82	54	M6	7	14	186	101	0.8
32	60	48	42	29	26	66	1.31	82	M6	11	14	261	139	0.7
35	60	48	42	29	26	66	1.44	82	M6	11	14	240	140	0.81
38	65	48	42	29	26	71	1.56	82	M6	11	14	220	129	0.77
40	65	48	42	29	26	71	1.64	82	M6	11	14	209	129	1.33
42	75	59	51	34.4	30	81	2.13	101	M8	6	41	213	119	1.24
45	75	59	51	34.4	30	81	2.28	101	M8	6	41	199	119	1.44
48	80	59	51	34.4	30	86	2.43	101	M8	6	41	186	112	1.41
50	80	59	51	34.4	30	86	2.53	101	M8	6	41	179	112	1.35
55	85	59	51	34.4	30	91	4.18	152	M8	9	41	244	158	1.45
60	90	59	51	34.4	30	96	4.56	152	M8	9	41	224	149	1.55
65	95	59	51	34.4	30	102	4.94	152	M8	9	41	206	141	1.67
70	110	66	56	45	40	117	6.5	186	M10	7	83	176	112	2.61
75	115	66	56	45	40	122	7	186	M10	7	83	165	107	2.75

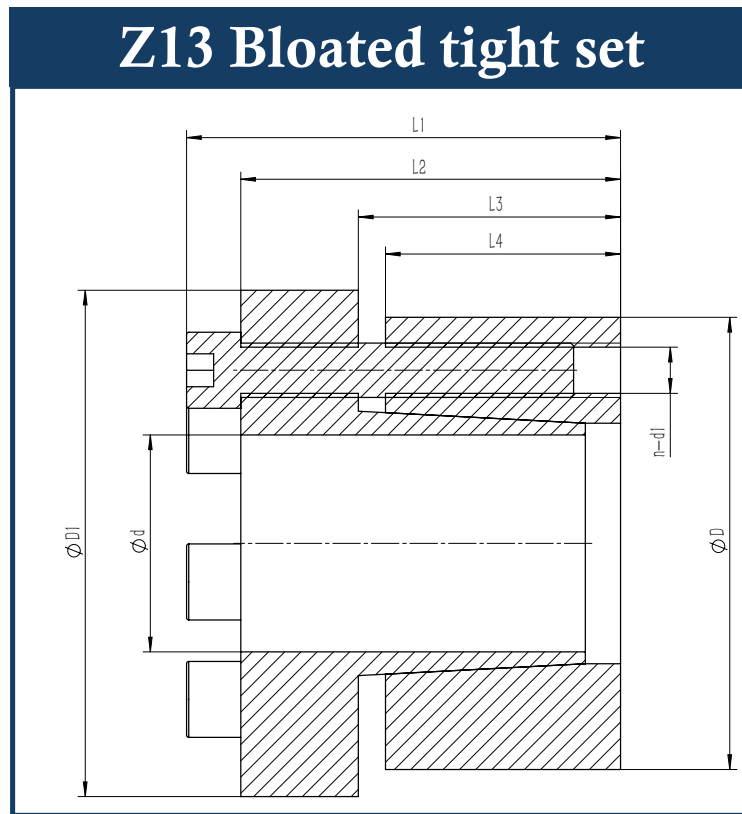


Table for Z13 Bloated tight set

Basic Dimensions							Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Weight
d	D	L1	L2	L3	L4	D 1	Torque	Axial Force	d1	n	MA			
mm							M1	F1	d1	n	N·m	Pf	Pf'	kg
							KN·m	KN				N/mm ²	N/mm ²	
80	120	66	56	45	40	127	7.4	186	M10	7	83	153	102	2.89
85	125	66	56	45	40	132	9	213	M10	8	83	165	112	3.04
90	130	66	56	45	40	137	9.6	213	M10	8	83	157	109	3.18
95	135	66	56	45	40	142	12.6	267	M10	10	83	185	130	3.33
100	145	77	65	52	46	153	13.3	270	M12	7	145	153	105	4.62
110	155	77	65	52	46	163	14.7	270	M12	7	145	140	99	5
120	165	77	65	52	46	173	18.4	309	M12	8	145	147	107	5.37
130	180	77	65	52	46	188	25.1	388	M12	10	145	171	124	6.46
140	190	87.5	73.5	58.5	51	199	40.15	586	M14	11	230	213	157	7.73
150	200	87.5	73.5	58.5	51	209	47	639	M14	12	230	217	163	8.21
160	210	87.5	73.5	58.5	51	219	54.3	692	M14	13	230	220	167	8.64
170	225	87.5	73.5	58.5	51	234	63	746	M14	14	230	226	171	10.14
180	235	87.5	73.5	58.5	51	244	66	746	M14	14	230	212	162	10.66

Note:

1. The data listed in the table refers to the rated load of the shrink disc under the configuration "A" without spacer. When the configuration with spacer is used, its rated load is 62% of the load listed in the table.
2. The mechanical property class of the screw for Z13 type shrink disc coupling is Class 12.9.

Expansion Sleeve

Z14 Bloated tight set

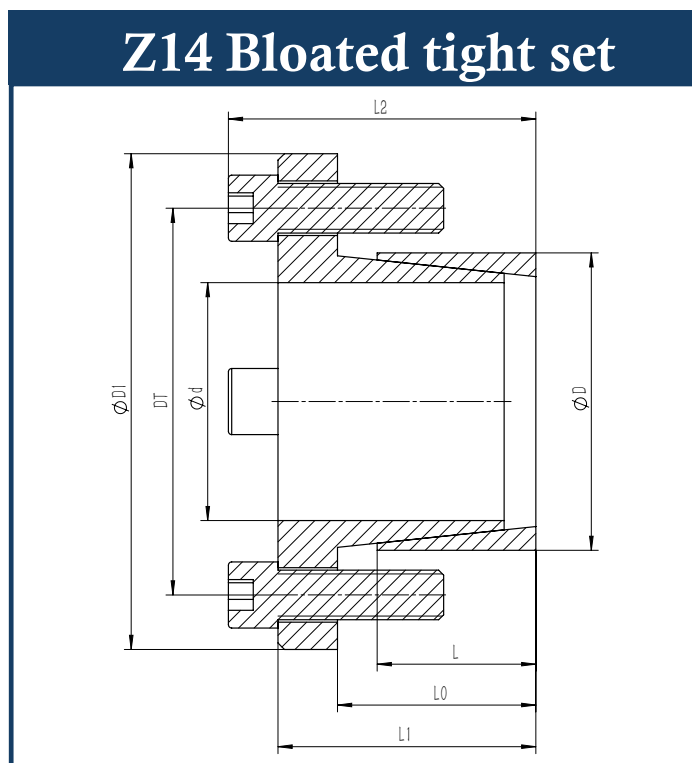


Table for Z14 Bloated tight set

Basic Dimensions								Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface	Pressure on Shrink Disc & Hub Contact Surface	Weight
d	D	DT	D1	L	L0	L1	L2	Torque	Axial Force	d1	n	MA	Pf	Pf'	kg
mm								M1	F1						
14	25	33	42	16	20	26	30	64	9.2	M4	4	2.9	109	61	0.091
16								74	9.2	M4	4	2.9	95	61	0.082
18								82	9.2	M4	4	2.9	85	61	0.072
19								87	9.2	M4	4	2.9	80	61	0.068
20	30	39	50	16	20	26	31	150	15	M5	4	6	124	82	0.113
22								165	15	M5	4	6	113	82	0.11
24								180	15	M5	4	6	104	82	0.088
25	36	45	55	16	20	26	31	187	15	M5	4	6	100	69	0.144
28								210	15	M5	4	6	89	69	0.121
30								225	15	M5	4	6	83	69	0.105
32	42	51	62	16	20	28	33	240	15	M5	4	6	77	59	0.2
35								260	15	M5	4	6	71	59	0.173
36								270	15	M5	4	6	69	59	0.162
38	44	54	66	16	20	28	34	400	21.2	M6	4	10	93	80	0.182
40	48	58	70	16	20	28	34	425	21.2	M6	4	10	88	73	0.223
42								446	21.2	M6	4	10	83	73	0.191
45	55	67	82	20	25	35	43	875	38.9	M8	4	25	115	94	0.4
48								935	38.9	M8	4	25	107	94	0.35
50	62	74	89	20	25	35	43	974	38.9	M8	4	25	103	83	0.5
55								1070	38.9	M8	4	25	94	83	0.41
60	72	81	99	20	25	35	43	1165	38.9	M8	4	25	86	71	0.58
65								1265	38.9	M8	4	25	79	71	0.46

Note: The mechanical property class of the screw for Z14 type shrink disc coupling is Class 8.8.

All dimensions in millimeters unless otherwise stated.

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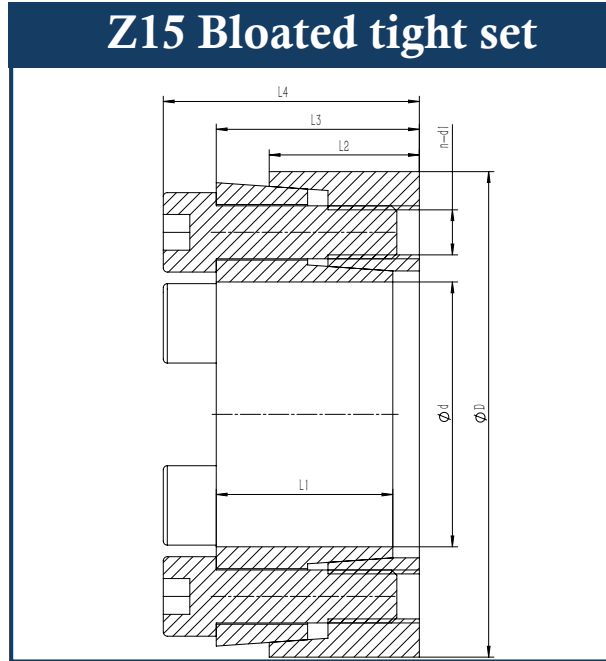


Table for Z15 Bloated tight set

Basic Dimensions mm						Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	L1	L2	L3	L4	Torque-Mt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
						KN	KN·m			N·m			
20	47	20	17	23	29	0.34	34	M6	5	17	242	121	0.25
22	47	20	17	23	29	0.38	34	M6	5	17	220	121	0.24
24	50	20	17	23	29	0.41	34	M6	5	17	202	114	0.27
25	50	20	17	23	29	0.43	34	M6	5	17	194	114	0.29
28	55	20	17	23	29	0.6	42	M6	6	17	207	124	0.31
30	55	20	17	23	29	0.64	42	M6	6	17	194	124	0.3
35	60	20	17	23	29	0.9	51	M6	7	17	194	133	0.33
40	65	20	17	23	29	1.03	51	M6	8	17	194	140	0.37
45	75	24	20	28	36	1.8	80	M8	6	41	200	144	0.62
50	80	24	20	28	36	2.3	80	M8	7	41	210	156	0.67
55	85	24	20	28	36	2.9	107	M8	8	41	218	169	0.72
60	90	24	20	28	36	3.2	107	M8	8	41	200	160	0.77
65	95	24	20	28	36	3.8	120	M8	9	41	208	171	0.82
70	110	29	24	34	44	6	170	M10	8	83	225	173	1.5
75	115	29	24	34	44	6.4	170	M10	8	83	210	166	1.59
80	120	29	24	34	44	6.8	170	M10	8	83	197	159	1.67
85	125	29	24	34	44	8.1	190	M10	9	83	209	171	1.76
90	130	29	24	34	44	9.6	210	M10	10	83	219	183	1.84
95	135	29	24	34	44	10.1	210	M10	10	83	207	176	1.9
100	145	33	28	38	50	11	220	M12	8	145	190	154	2.58
110	155	33	28	38	50	14	250	M12	9	145	194	162	2.79
120	165	33	28	38	50	17	280	M12	10	145	198	170	3
130	180	38	33	43	55	23	350	M12	12	145	190	158	4.1
140	190	38	33	43	55	24	345	M12	12	145	177	150	4.37
150	200	38	33	43	55	30	400	M12	14	145	192	166	4.63

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z15 Bloated tight set

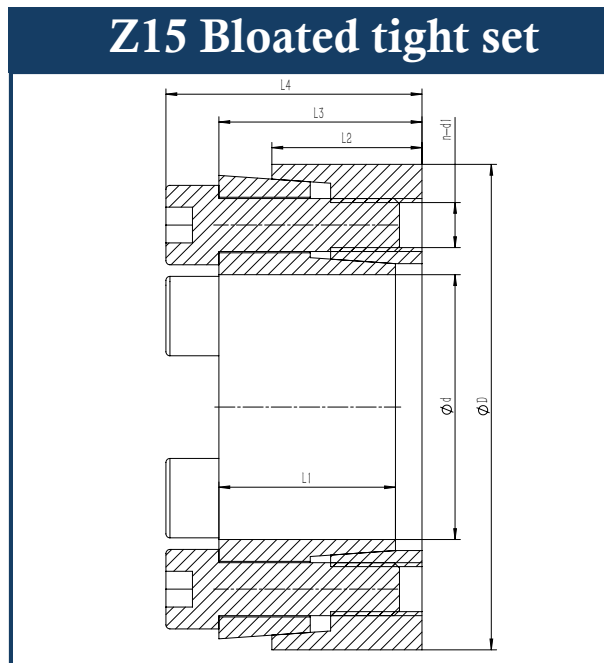


Table for Z15 Bloated tight set

Basic Dimensions mm						Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	L1	L2	L3	L4	Torque-Mt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
						KN	KN·m			N·m			
160	210	38	33	43	55	35	440	M12	15	145	193	170	4.9
170	225	43	38	49	63	41	480	M14	12	230	176	151	6.56
180	235	43	38	49	63	51	560	M14	14	230	194	168	6.9
190	250	51	46	57	71	61	640	M14	16	230	177	150	9.27
200	260	51	46	57	71	72	700	M14	18	230	190	162	9.7
220	285	55	50	61	77	99	900	M16	16	355	198	168	12.3
240	305	55	50	61	77	108	900	M16	16	355	181	157	13.3
260	325	55	50	61	77	130	1000	M16	18	355	188	165	14.3
280	355	65	60	73	91	170	1200	M18	18	485	178	152	21.4
300	375	65	60	73	91	200	1350	M18	20	485	184	160	22.7
320	405	77	72	85	105	275	1700	M20	20	690	189	160	32.2
340	425	77	72	85	105	290	1700	M20	20	690	178	152	34
360	455	89	84	99	121	385	2000	M22	20	930	181	152	47.2
380	475	89	84	99	121	430	2200	M22	21	930	180	153	49.5
400	495	89	84	99	121	450	2200	M22	21	930	171	147	51.8
420	515	89	84	99	121	545	2500	M22	24	930	186	161	54.2
440	545	101	96	113	137	660	3000	M24	24	1200	181	154	72
460	565	101	96	113	137	690	3000	M24	24	1200	173	148	74.9
480	585	101	96	113	137	720	3000	M24	24	1200	166	143	77
500	605	101	96	113	137	880	3400	M24	28	1200	186	162	80.8
520	630	101	96	113	137	915	3400	M24	28	1200	179	155	88.1
540	650	101	96	113	137	950	3400	M24	28	1200	172	150	91.1
560	670	101	96	113	137	1060	3700	M24	30	1200	178	156	94.2
580	690	101	96	113	137	1100	3700	M24	30	1200	172	152	97.3
600	710	101	96	113	137	1130	3700	M24	30	1200	166	148	100.3

Note: The mechanical property class of the screw for Z15 type shrink disc coupling is Class 12.9.

Z17A Bloated tight set

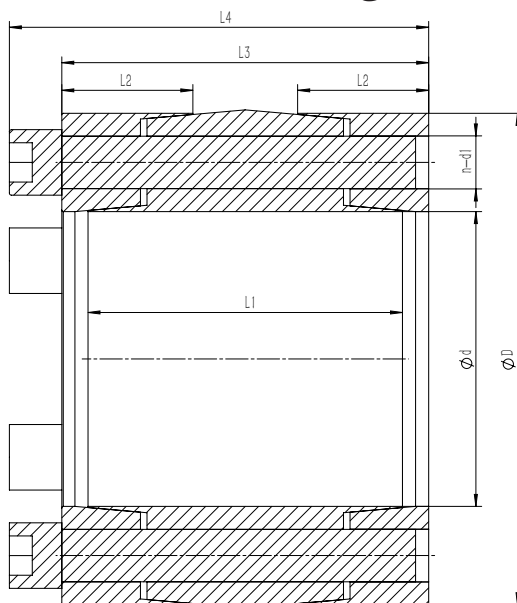


Table for Z17A Bloated tight set

Basic Dimensions mm						Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface Pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	L1	L2	L3	L4	TorqueMt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
						KN	KN·m						
30	55	40	17	46	52	0.9	60	M6	6	17	132	85	0.5
35	60	40	17	46	52	1.25	71	M6	7	17	135	93	0.6
40	65	40	17	46	52	1.5	75	M6	8	17	124	90	0.7
45	75	48	20	56	64	2.5	112	M8	6	41	136	98	1.1
50	80	48	20	56	64	3	120	M8	7	41	132	100	1.2
55	85	48	20	56	64	3.8	138	M8	8	41	138	108	1.3
60	90	48	20	56	64	4.3	143	M8	8	41	127	102	1.4
65	95	48	20	56	64	5.3	162	M8	9	41	132	108	1.5
70	110	58	24	68	78	7.6	219	M10	8	83	143	110	2.6
75	115	58	24	68	78	8.2	219	M10	8	83	134	105	2.8
80	120	58	24	68	78	8.7	219	M10	8	83	125	101	2.9
85	125	58	24	68	78	10.4	240	M10	9	83	133	109	3.1
90	130	58	24	68	78	12.3	274	M10	10	83	139	116	3.2
95	135	58	24	68	78	13	274	M10	10	83	132	112	3.3
100	145	66	28	76	88	15	301	M12	8	145	121	98	4.5
110	155	66	28	76	88	18.6	338	M12	9	145	123	103	4.9
120	165	66	28	76	88	22.5	376	M12	10	145	126	108	5.3
130	180	76	33	86	98	29.3	451	M12	12	145	121	101	7.3
140	190	76	33	86	98	31.5	451	M12	12	145	112	95	7.8
150	200	76	33	86	98	39.4	526	M12	14	145	122	106	8.2
160	210	76	33	86	98	45	563	M12	15	145	123	108	8.7
170	225	86	38	98	112	52.5	619	M14	12	230	112	96	11.6
180	235	86	38	98	112	64.9	722	M14	14	230	124	107	12.2

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z17A Bloated tight set

Z17A Bloated tight set

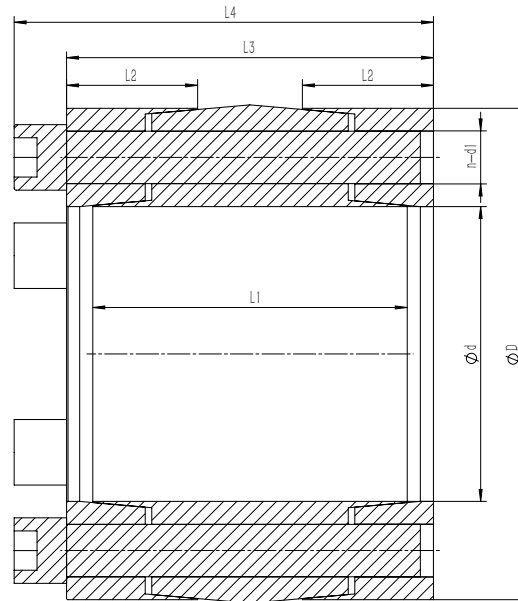


Table for Z17A Bloated tight set

Basic Dimensions mm						Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Con- tact Sur- face Pt	Weight
d	D	L1	L2	L3	L4	TorqueMt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
						KN	KN·m						
190	250	102	46	114	126	78.3	825	M14	16	230	113	95	16.7
200	260	102	46	114	126	92.7	928	M14	18	230	121	103	17.4
220	285	110	50	122	138	126	1146	M16	16	355	126	107	22.3
240	305	110	50	122	138	137.5	1146	M16	16	355	115	100	24.1
260	325	110	50	122	138	167.6	1289	M16	18	355	120	105	25.8
280	355	130	60	146	164	217	1552	M18	18	485	113	97	38.2
300	375	130	60	146	164	258.5	1724	M18	20	485	117	102	40.6
320	405	154	72	170	190	357.8	2236	M20	20	690	120	102	58.6
340	425	154	72	170	190	380	2236	M20	20	690	113	97	61.8
360	455	178	84	198	220	501	2784	M22	20	930	115	97	85
380	475	178	84	198	220	555	2923	M22	21	930	115	97	87.2
400	495	178	84	198	220	584	2923	M22	21	930	109	93	93.4
420	515	178	84	198	220	657	3132	M22	24	930	111	96	97.5
440	545	202	96	226	250	795	3617	M24	24	1200	108	92	128.9
460	565	202	96	226	250	831	3617	M24	24	1200	103	88	134.1
480	585	202	96	226	250	868	3617	M24	24	1200	99	85	139.3
500	605	202	96	226	250	985	3940	M24	28	1200	104	91	144.5
520	630	202	96	226	250	1024	3940	M24	28	1200	100	88	157.6
540	650	202	96	226	250	1063	3940	M24	28	1200	96	84	163.1
560	670	202	96	226	250	1181	4219	M24	30	1200	100	88	168.6
580	670	202	96	226	250	1224	4219	M24	30	1200	96	84	174
600	710	202	96	226	250	1266	4219	M24	30	1200	92	83	179.5

Note: The mechanical property class of the screw for Z17A type shrink disc coupling is Class 12.9.

Z17B Bloated tight set

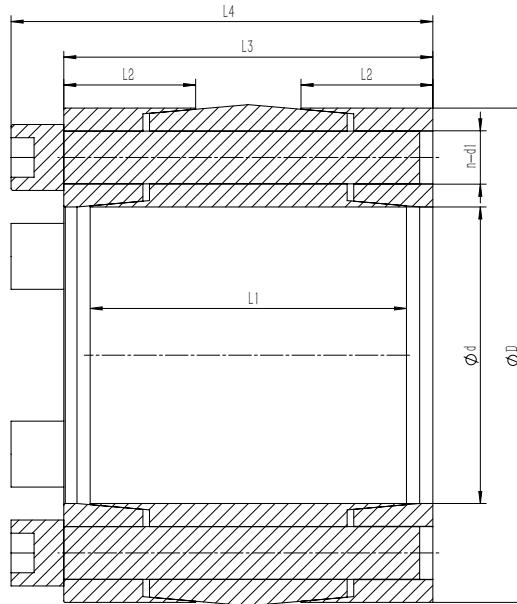


Table for Z17B Bloated tight set

Basic Dimensions mm						Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface Pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	L1	L2	L3	L4	TorqueMt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
						KN	KN·m						
100	145	66	28	76	86	10.3	206	M10	8	83	83	67	4.5
110	155	66	28	76	86	12.7	232	M10	9	83	85	71	4.9
120	165	66	28	76	86	15.5	258	M10	10	83	86	74	5.3
130	180	76	33	86	96	20.1	310	M10	12	83	83	69	7.3
140	190	76	33	86	96	21.6	310	M10	12	83	77	65	7.8
150	200	76	33	86	96	27	361	M10	14	83	84	73	8.2
160	210	76	33	86	96	31	387	M10	15	83	84	74	8.7
170	225	86	38	98	110	38.3	451	M12	12	145	82	70	11.6
180	235	86	38	98	110	47.3	526	M12	14	145	90	78	12.2
190	250	102	46	114	126	57	601	M12	16	145	82	69	16.7
200	260	102	46	114	126	67.6	676	M12	18	145	88	75	17.4
220	285	110	50	122	136	90.7	825	M14	16	230	90	77	22.3
240	305	110	50	122	136	99	825	M14	16	230	83	72	24.1
260	325	110	50	122	136	120.6	928	M14	18	230	86	76	25.8
280	355	130	60	146	162	180.5	1289	M16	18	355	94	80	38.2
300	375	130	60	146	162	215	1433	M16	20	355	97	84	40.6
320	405	154	72	170	188	276	1724	M18	20	485	93	78	58.6
340	425	154	72	170	188	293	1724	M18	20	485	87	75	61.8
360	455	178	84	198	216	372	2069	M18	24	485	86	72	85
380	475	178	84	198	216	393	2069	M18	24	485	81	69	89.2
400	495	178	84	198	216	414	2069	M18	24	485	77	66	93.4
420	515	178	84	198	216	507	2413	M18	28	485	86	74	97.5
440	545	202	96	226	246	517	2348	M20	24	690	70	59	128.9

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z17B Bloated tight set

Z17B Bloated tight set

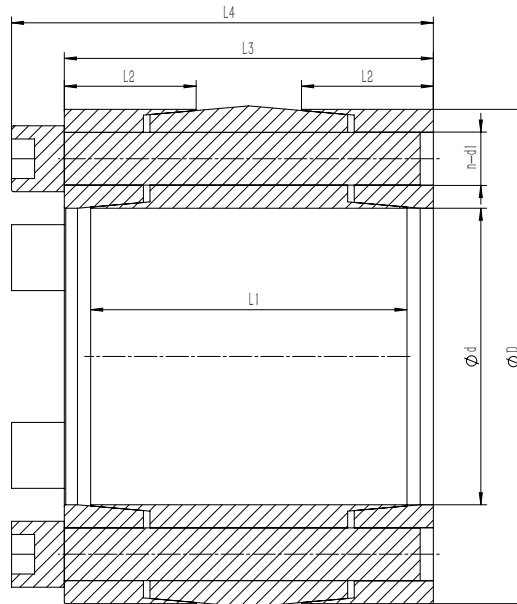


Table for Z17B Bloated tight set

Basic Dimensions mm						Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	L1	L2	L3	L4	TorqueMt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
						KN	KN·m						
460	565	202	96	226	246	540	2348	M20	24	690	67	57	134.1
480	585	202	96	226	246	564	2348	M22	24	690	64	55	139.3
500	605	202	96	226	246	685	2740	M22	28	690	72	63	144.5
520	630	202	96	226	246	712	2740	M22	28	690	69	60	157.6
540	650	202	96	226	246	740	2740	M22	28	690	67	58	163.1
560	670	202	96	226	246	822	2935	M20	30	690	69	60	168.6
580	690	202	96	226	246	851	2935	M20	30	690	66	59	174
600	710	202	96	226	246	880	2935	M20	30	690	64	57	179.5

Note: The mechanical property class of the screw for Z17B type shrink disc coupling is Class 12.9.

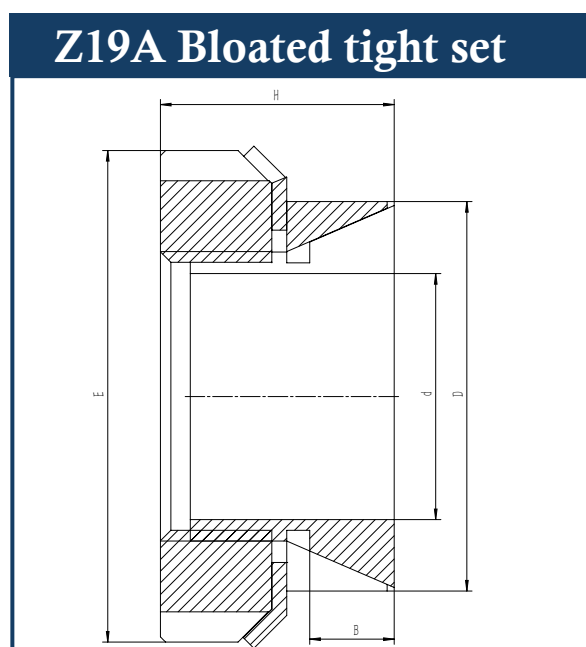
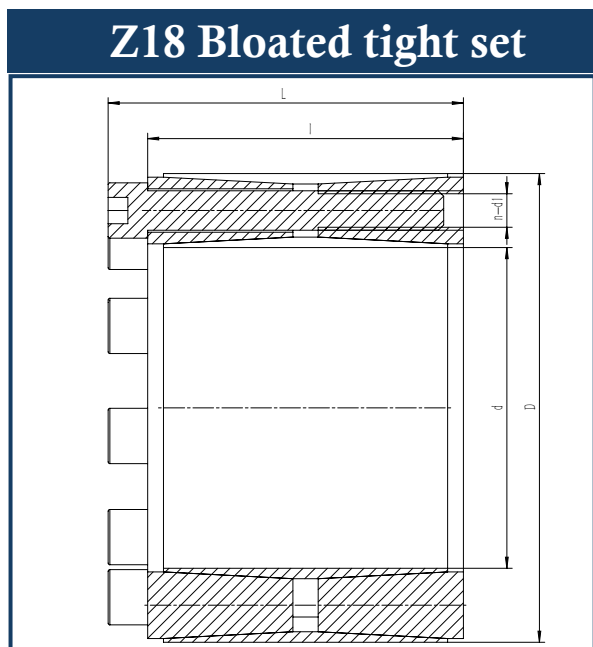


Table for Z18 Bloated tight set

Basic Dimensions mm				Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	I	L	TorqueMt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
				KN·m	KN			N·m			
45	75	64	72	3.9	174	M8	9	41	185	110	1.5
48	80	64	72	4.15	174	M8	9	41	170	105	1.7
50	80	64	72	4.3	174	M8	9	41	165	105	1.6
55	85	64	72	4.8	174	M8	9	41	150	95	1.7
60	90	64	72	6.4	213	M8	11	41	170	110	1.8
65	95	64	72	6.9	213	M8	11	41	155	105	2
70	110	78	88	11.8	338	M10	11	83	185	115	3.6
75	115	78	88	12.7	338	M10	11	83	170	110	3.8
80	120	78	88	14.7	369	M10	12	83	175	115	4
85	125	78	88	15.7	369	M10	12	83	165	110	4.3
90	130	78	88	18	400	M10	13	83	170	115	4.5
95	135	78	88	19	400	M10	13	83	160	110	4.7
100	145	100	112	26.9	538	M12	12	145	160	110	7.2
110	155	100	112	32	583	M12	13	145	155	110	7.7
120	165	100	112	40.3	673	M12	15	145	165	120	8.3
130	180	116	130	52	800	M14	13	230	155	115	11.7
140	190	116	130	64.6	923	M14	15	230	170	125	12.5
150	200	116	130	73.8	985	M14	16	230	165	125	13.2
160	210	116	130	83.7	1045	M14	17	230	165	125	14
170	225	146	162	109	1283	M16	15	355	150	115	20.6
180	235	146	162	123.2	1369	M16	16	355	150	115	21.6
190	250	146	162	138	1454	M16	17	355	150	115	25
200	260	146	162	145.4	1454	M16	17	355	145	110	26.2
220	285	146	162	188	1710	M16	20	355	155	120	31.1
240	305	146	162	225	1880	M16	22	355	155	120	33.6

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z19A Bloated tight set

Table for Z18 Bloated tight set

Basic Dimensions mm				Rated Load		Hexagon Socket Screw			Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	I	L	TorqueMt	Axial Force Ft	d1	n	MA	N/mm ²	N/mm ²	kg
				KN·m	KN			N·m			
260	325	146	162	244	1880	M16	22	355	145	115	36.1
280	355	177	197	373	2670	M20	20	690	155	120	54.9
300	375	177	197	440	2930	M20	22	690	155	120	58.3
320	405	177	197	470	2930	M20	22	690	145	115	71

Note: The mechanical property class of the screw for Z18 type shrink disc coupling is Class 12.9.

Table for Z19A Bloated tight set

Basic Dimensions mm					Rated Load		Nut		Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	E	H	B	TorqueMt	Axial Force Ft	d1	MA	N/mm ²	N/mm ²	kg
					KN·m	KN		N·m			
14	25	32	16.5	6.5	38	5.1	M20×1	95	200	110	0.05
15	25	32	16.5	6.5	41	5.5	M20×1	95	185	110	0.04
16	25	32	16.5	6.5	43	5.45	M20×1	95	174	110	0.04
17	26	32	16.5	6.5	47	5.5	M20×1	95	164	107	0.04
18	26	32	16.5	6.5	49	5.4	M22×1	95	155	107	0.04
18	30	38	16.5	6.5	58	6.6	M25×1.5	160	185	112	0.06
19	30	38	18	6.5	62	6.6	M25×1.5	160	176	112	0.06
20	30	38	18	6.5	66	6.6	M25×1.5	160	167	111	0.06
22	32	38	18	6.5	73	6.6	M25×1.5	160	152	105	0.06
24	35	45	18	6.5	105	8.75	M30×1.5	220	185	127	0.08
25	35	45	18	6.5	110	8.8	M30×1.5	220	178	127	0.07
28	36	45	18	6.5	120	8.55	M32×1.5	220	159	124	0.06
28	40	52	18	6.5	149	10.6	M35×1.5	340	188	141	0.09
30	40	52	19.5	7	160	10.6	M35×1.5	340	164	123	0.09
32	42	52	19.5	7	170	10.6	M36×1.5	340	154	117	0.09
35	45	58	21.5	8	230	13.1	M40×1.5	480	153	120	0.11
36	45	58	21.5	8	240	13.3	M40×1.5	480	149	120	0.1
38	48	58	21.5	8	250	13.1	M42×1.5	480	141	112	0.12
38	50	58	21.5	8	250	13.1	M42×1.5	480	141	112	0.14
40	50	65	24.5	10	310	15.5	M42×1.5	680	124	93	0.14
40	52	65	24.5	10	310	15.5	M45×1.5	680	120	93	0.17
42	55	65	25.5	10	320	15.2	M48×1.5	680	114	87	0.2
45	55	70	25.5	10	400	17.7	M50×1.5	870	122	96	0.16
45	57	70	25.5	10	400	17.7	M50×1.5	870	122	96	0.2
48	60	75	25.5	10	500	20.8	M55×2	970	135	105	0.21
50	60	75	25.5	10	520	20.8	M55×2	970	130	105	0.18

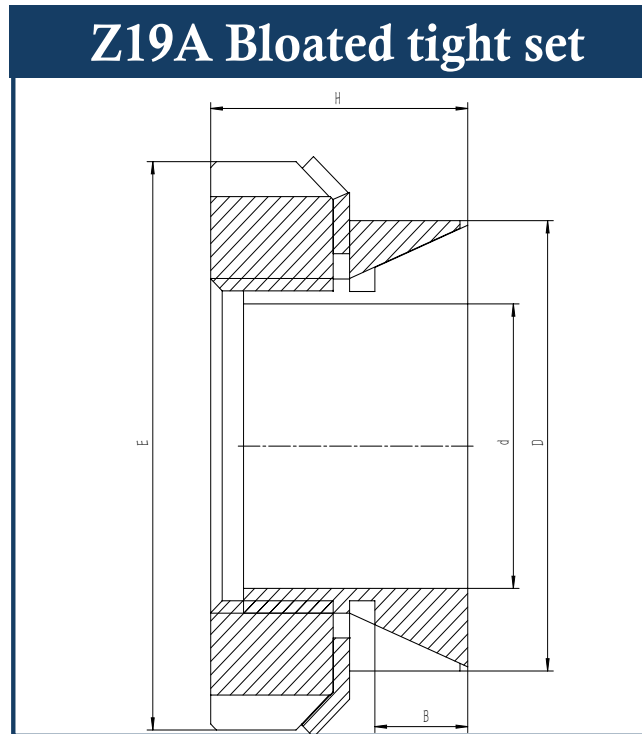


Table for Z19A Bloated tight set

Basic Dimensions mm					Rated Load		Nut		Pressure on Shrink Disc & Shaft Contact Surface pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight
d	D	E	H	B	TorqueMt KN·m	Axial Force Ft KN	d1	MA N·m	N/mm ²	N/mm ²	kg
50	62	75	25.5	10	520	20.8	M55×2	970	130	105	0.22
55	65	80	27.5	12	610	22	M60×2	1100	103	84	0.21
55	68	80	27.5	12	610	22	M60×2	1100	103	84	0.28
56	68	80	27.5	12	620	22	M60×2	1100	101	82	0.26
60	70	85	30	12	800	26.6	M65×2	1300	113	93	0.24
60	73	85	30.5	12	800	26.6	M65×2	1300	113	93	0.33
63	79	92	30.5	14	980	31.1	M70×2	1600	107	86	0.43
65	79	92	30.5	14	1010	31	M70×2	1600	104	86	0.38
70	84	98	31.5	14	1240	35.4	M75×2	2000	110	92	0.42

Expansion Sleeve

Z19B Bloated tight set

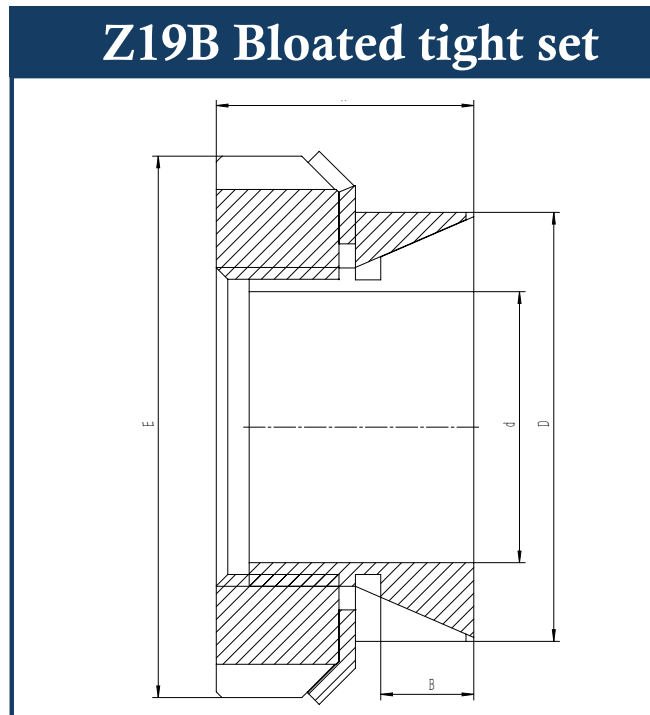


Table for Z19B Bloated tight set

Basic Dimensions mm					Rated Load		Nut		Pressure on Shrink Disc & Shaft Contact Surface Pt	Pressure on Shrink Disc & Hub Contact Surface Pt	Weight kg
d	D	E	H	B	TorqueMt	Axial Force Ft	d1	MA			
					KN·m	KN		N·m	N/mm ²	N/mm ²	
14	25	32	30	20	64	9.1	M20×1	95	85	45	0.08
15	25	32	30	20	70	9.1	M20×1	95	80	45	0.08
16	25	32	30	20	73	9.1	M20×1	95	75	45	0.07
17	25	32	32	20	80	9.1	M22×1	95	70	45	0.07
18	30	32	32	20	83	9.1	M22×1	95	65	40	0.12
19	30	38	32	20	105	11	M25×1.5	160	75	45	0.11
20	30	38	32	20	112	11	M25×1.5	160	70	45	0.1
22	35	45	36	25	163	14.5	M30×1.5	220	70	45	0.17
24	35	45	36	25	178	14.5	M30×1.5	220	65	45	0.15
25	35	45	36	25	185	14.5	M30×1.5	220	60	45	0.14
28	40	52	42	30	250	14.5	M35×1.5	340	55	40	0.22
30	40	52	42	30	270	17.5	M35×1.5	340	50	40	0.19
32	42	52	44	30	350	21.5	M36×1.5	340	60	45	0.2
32	45	58	44	30	350	21.5	M40×1.5	480	60	45	0.27
35	45	58	44	30	390	21.5	M40×1.5	480	55	45	0.22
38	50	65	45	30	500	26	M45×1.5	680	60	45	0.3
40	50	65	45	30	520	26	M45×1.5	680	60	50	0.25
45	55	70	46	30	680	30	M50×1.5	870	60	50	0.29
48	60	75	46	30	840	35	M55×2	970	60	50	0.37
50	60	75	46	30	880	35	M55×2	970	60	50	0.32
55	65	80	46	30	1030	37.5	M60×2	1100	60	50	0.34
60	70	85	52	30	1360	45	M65×2	1300	65	55	0.42

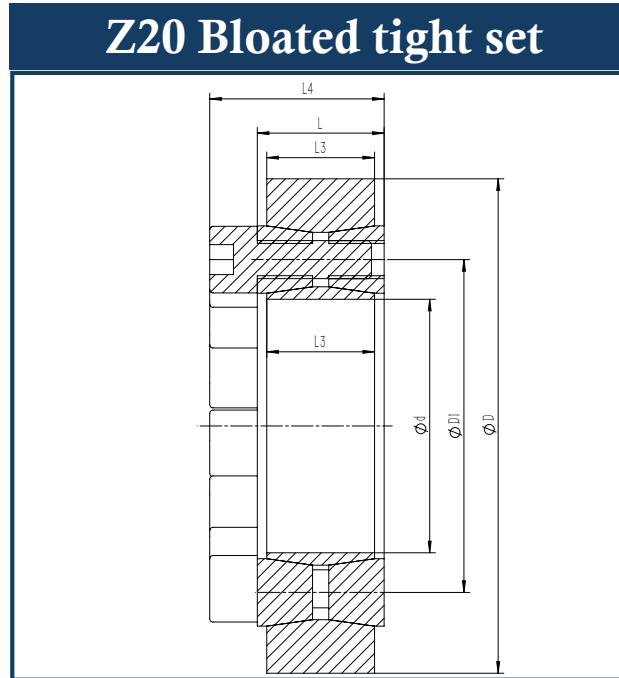


Table for Z20 Bloated tight set

Basic Dimensions mm							Rated Load		Hexagon Socket Screw		Weight	
d	d _w	D	D1	L4	L	L3	Torque Mt KN·m	Axial Force Ft KN	d1	n	MA N·m	kg
25	18	60	37.5	27.5	20	17	0.19	21	M6×18	9	17	0.37
	20						0.255	25				
30	20	65	42.5	27.5	20	17	0.205	20	M6×18	9	17	0.42
	22						0.27	24				
35	24	72	47.5	27.5	20	17	0.34	28	M6×18	12	17	0.48
	25						0.365	29				
	28						0.49	35				
40	30	78	52.5	27.5	20	17	0.585	39	M6×18	15	17	0.54
	32						0.555	37				
	34						0.59	37				
	35						0.71	42				
45	35	92	60	33.5	24	20	0.77	44	M8×22	12	41	0.92
	36						0.96	55				
	38						1.03	57				
50	38	98	65	33.5	24	24	1.2	63	M8×22	12	41	1
	40						1.01	53				
	42						1.16	58				
55	42	105	70	33.5	24	24	1.32	63	M8×22	14	41	1.1
	42						1.33	63				
60	45	110	75	33.5	24	24	1.59	70	M8×22	14	41	1.2
	48						1.88	78				
	48						1.6	67				
70	50	138	90	39.5	28	24	1.78	71	M10×25	14	83	2.3
	52						1.89	73				
	55						2.93	106				
	58						3.37	116				
	60						3.69	123				

All dimensions in millimeters unless otherwise stated.

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Expansion Sleeve

Z20 Bloated tight set

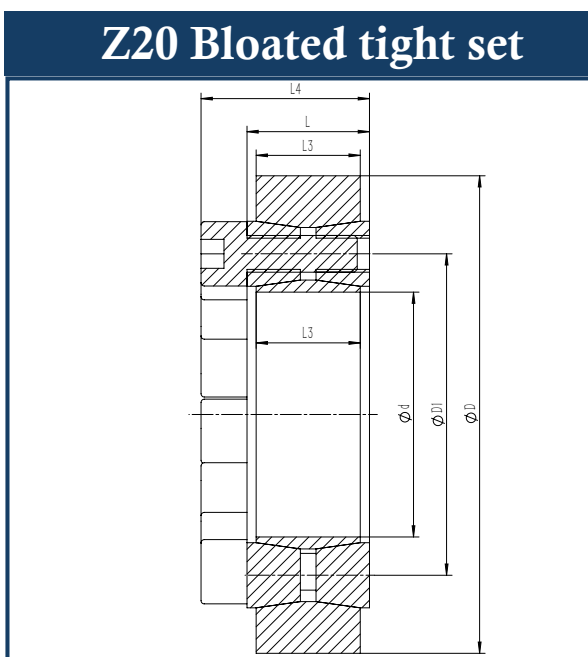
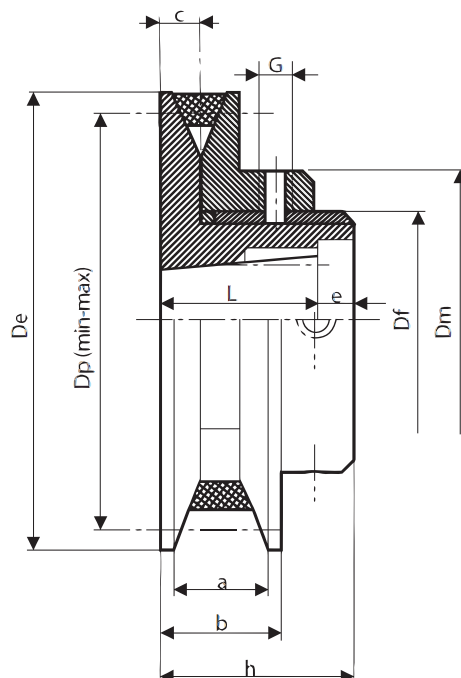


Table for Z20 Bloated tight set

Basic Dimensions mm							Rated Load		Hexagon Socket Screw			Weight
d	dw	D	D1	L4	L	L3	Torque Mt KN·m	Axial Force Ft KN	d1	n	MA N·m	kg
80	60	145	100	39.5	28	24	3.69	123	M10×25	14	83	2.4
	62						3.14	101				
	65						3.57	110				
	68						4.02	118				
	70						4.35	124				
90	70	160	110	39.5	28	24	4.09	117	M10×25	16	83	2.8
	75						4.89	130				
	78						5.42	139				
100	78	180	122.5	47	33	26	5.98	153	M12×30	14	145	3.8
	80						6.37	159				
	82						6.49	158				
	85						7.16	168				
110	85	190	132.5	47	33	26	6.18	145	M12×30	14	145	4.1
	88						6.8	154				
	90						7.24	160				
	95						8.38	176				
120	95	205	142.5	47	33	26	8.25	173	M12×30	16	145	4.7
	100						9.45	189				
	105						10.74	204				
140	110	230	165	52	38	34	12.86	233	M12×35	22	145	7.4
	115						14.44	251				
	120						16.14	269				
160	125	260	185	52	38	34	17.13	274	M12×35	26	145	9.2
	130						18.99	292				
	135						20.94	310				
	140						23	328				

Note: The mechanical property class of the screw for Z20 type shrink disc coupling is Class 12.9.

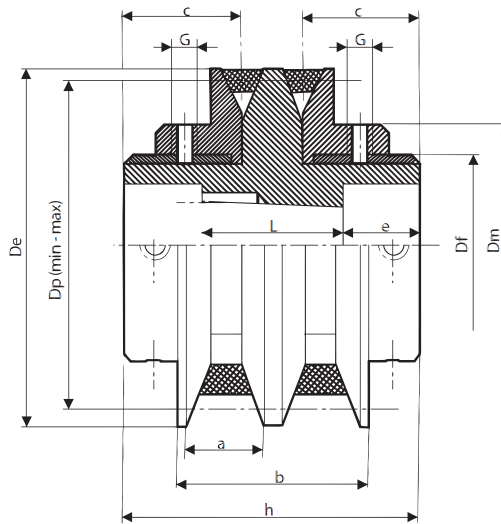


Dimensioni / Dimensions / Abmessungen / Encombremets / Dimensiones

Tipo	Nostro codice	Bussola	Foro	De	Dm	Df	Dp	Dp	a	a	b	b	c	e	G	h	L	Kg
Type	Our code	Bush	Bore				min	max	max	min	max	min						
Typ	Unsere Code	Buchse	Bohrung															
Type	Notre code	Moyeu	Alesage															
Tido	Nuestro codigo	Casquillo	Agujero				min	max	max	min	max	min						
VAR*84Z1	PVZ0841	1108	28	84	65	50	62	80	14.5	10	19.5	15	7.5	-	6	28	28	0.5
VAR95Z1	PVZ0951	1108	28	95	75	60	73	91	14.5	10	20.5	16	8	8	6	30	22	0.78
VAR100Z1	PVZ1001	1108	28	100	75	60	78	96	14.5	10	20.5	16	8	8	6	30	22	0.85
VAR108Z1	PVZ1081	1210	30	108	90	72	90	104	14.5	10	20.5	16	8	10	8	35	25	1.13
VAR*108A1	PVA1081	1210	30	108	80	62	76	102	19.5	13	26.5	19	9.5	12	8	39	27	1.12
VAR120A1	PVA1201	1210	30	120	91	72	88	114	19.5	13	26.5	20	10	10	8	36	26	1.42
VAR120A2	PVA1202	1215	30	120	91	72	88	114	19.5	13	47.1	34	26	12	8	66	40.5	2.46
VAR129A1	PVA1291	1210	30	129	91	72	97	123	19.5	13	26.5	20	10	10.2	8	36	26	1.67
VAR129A2	PVA1292	1215	30	129	91	72	97	123	19.5	13	47.1	34	26	12	8	66	40	2.83
VAR139A1	PVA1391	1610	40	139	103	85	109	133	18.9	13	25.9	20	10	11	8	37	26	1.96
VAR139A2	PVA1392	1615	40	139	103	85	109	133	18.9	13	46.8	35	26	14.5	8	69	38.5	3.37
VAR146A1	PVA1461	1610	40	146	103	85	116	140	18.9	13	25.9	20	10	11	8	37	26	2.17
VAR146A2	PVA1462	1615	40	146	103	85	116	140	18.9	13	46.8	35	27	14.5	8	69	38.5	3.77
VAR156 A1	PVA1561	1610	40	156	103	85	126	150	18.9	13	25.9	20	10	11	8	37	26	2.43
VAR156A2	PVA1562	1615	40	156	103	85	126	150	18.9	13	46.8	35	27	14.5	8	69	38.5	4.25
VAR164A1	PVA1641	1610	40	164	103	85	134	158	18.9	13	25.9	20	10	8	8	37	29	2.76
VAR164A2	PVA1642	1615	40	164	103	85	134	158	18.9	13	46.8	35	27	15.5	8	69	37.5	4.74
VAR177A1	PVA1771	2012	50	177	135	110	149	171	18.2	13	25.2	20	10	8	8	40	32	3.76
VAR177A2	PVA1772	2012	50	177	135	110	149	171	18.2	13	45.5	35	27.5	24	8	90	37	6.8
VAR187A1	PVA1871	2012	50	187	135	110	159	181	18.2	13	25.2	20	10	8	8	40	32	4.14
VAR187A2	PVA1872	2012	50	187	135	110	159	181	18.2	13	45.5	35	37.5	24	8	90	37	7.5
VAR178B1	PVB1781	2012	50	178	135	110	139	171	21.5	16	28.5	23	10	8	8	40	32	3.73
VAR178B2	PVB1782	2012	50	178	135	110	139	171	22.5	16	54.5	42	37.5	24	8	90	37	6.75
VAR187B1	PVB1871	2012	50	187	135	110	148	180	21.5	16	28.5	23	10	8	8	40	32	4.7
VAR 187 B2	PVB1872	2012	50	187	135	110	148	180	22.5	16	54.5	42	37.5	24	8	90	37	7.35

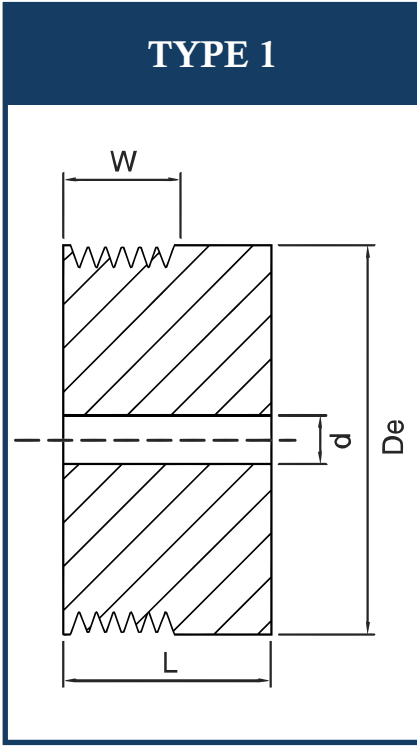
Variable Speed V-Pulleys

Double Groove – Pilot Bored



Potenza nominale trasmessa / Nominal power / Nominalleistung / Puissance nominale / Potencia nominal
(kW)

Tipo / Type Typ / Type / Tido	1450 rpm		1600 rpm		2000 rpm		2500 rpm		2800 rpm	
	n max	n min	n max	n min	n max	n min	n max	n min	n max	n min
VAR*84Z1	1.60	0.80	1.80	1.00	2.00	1.20	2.30	1.40	2.60	1.50
VAR95Z1	2.10	1.30	2.42	1.56	2.74	1.80	3.15	2.10	3.69	2.35
VAR100Z1	2.30	1.50	2.50	1.80	2.90	2.00	3.20	2.30	3.80	2.60
VAR108Z1	2.70	2.00	3.10	2.30	3.10	2.30	3.90	2.90	4.60	3.40
VAR*108A1	3.20	1.50	3.79	1.70	4.30	1.96	4.89	2.22	5.64	2.55
VAR120A1	3.70	1.80	3.79	2.07	4.34	2.25	4.80	2.52	5.45	2.79
VAR120A2	7.40	3.60	7.49	4.14	8.69	4.50	9.61	5.04	10.90	5.58
VAR129A1	4.20	2.50	5.20	2.87	6.10	3.70	6.60	4.26	7.50	4.82
VAR129A2	8.40	5.00	10.40	5.74	12.20	7.41	13.20	8.52	15.00	9.63
VAR139A1	5.00	3.40	5.70	3.90	5.70	3.90	7.30	5.10	8.30	5.70
VAR139A2	10.00	6.80	11.40	7.80	11.40	7.80	14.60	10.20	16.60	11.40
VAR146A1	5.50	3.80	6.40	4.40	6.40	4.40	8.10	5.60	9.30	6.60
VAR146A2	11.00	7.60	12.80	8.80	12.80	8.80	16.20	11.20	18.60	13.20
VAR156A1	6.20	4.50	7.20	5.10	7.20	5.10	9.10	6.50	10.40	7.50
VAR156A2	12.40	9.00	14.40	10.20	14.40	10.20	18.20	13.00	20.80	15.00
VAR164 A1	6.70	5.10	7.80	5.70	7.80	5.70	10.00	7.30	11.20	8.30
VAR164A2	13.40	10.20	15.60	11.40	15.60	11.40	20.00	14.60	22.40	16.60
VAR177A1	7.50	6.10	8.70	7.10	8.70	7.10	11.10	8.00	12.50	10.30
VAR177A2	15.00	12.20	17.40	14.20	17.40	14.20	22.60	18.00	25.00	20.60
VAR187A1	8.20	6.80	9.50	7.80	9.50	7.80	12.00	10.10	13.60	11.30
VAR187A2	16.40	13.60	19.00	15.60	19.00	15.60	24.00	20.20	27.20	22.60
VAR178B1	9.30	5.90	10.57	6.32	11.94	7.37	12.66	8.46	13.89	9.24
VAR178B2	18.60	11.80	21.14	12.64	25.37	14.63	27.84	15.88	30.53	17.34
VAR187B1	10.30	6.80	11.44	7.51	13.73	8.22	14.56	9.44	15.60	10.15
VAR187B2	20.60	13.60	22.89	15.02	27.47	16.44	29.13	18.88	31.21	20.30

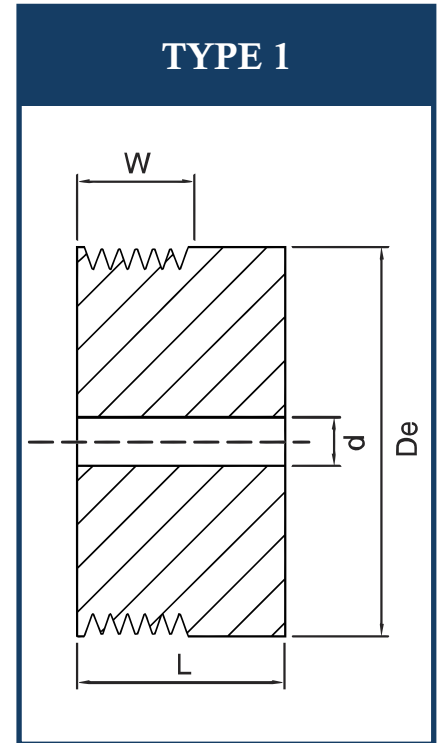


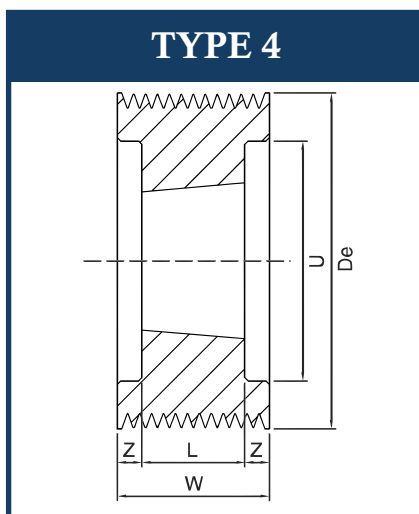
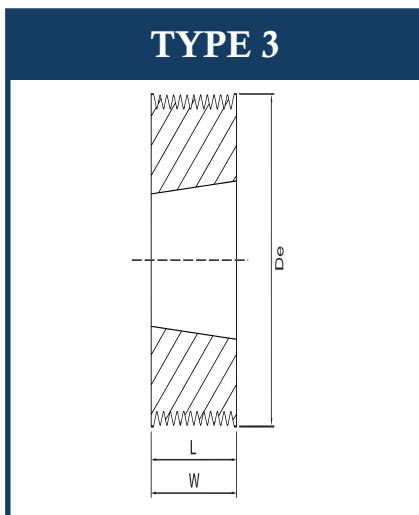
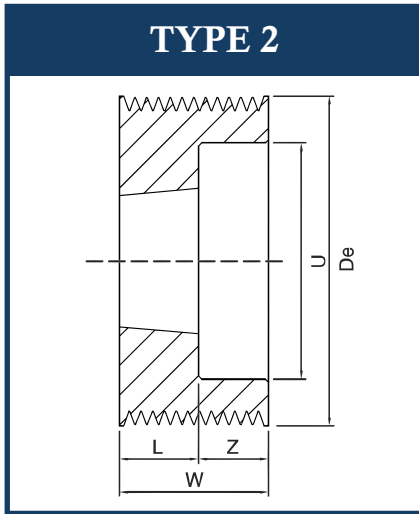
De	Groove No.	Type	d	L	N	M	Di	W	E
20	4	1	5	22.5	-	-	-	13.5	-
20	8	1	5	32	-	-	-	23	-
20	12	1	5	41.5	-	-	-	32.5	-
20	16	1	5	51	-	-	-	42	-
20	20	1	5	61	-	-	-	52	-
25	4	1	5	22.5	-	-	-	13.5	-
25	8	1	5	32	-	-	-	23	-
25	12	1	5	41.5	-	-	-	32.5	-
25	16	1	5	51	-	-	-	42	-
25	20	1	5	61	-	-	-	52	-
30	4	1	9.5	22.5	-	-	-	13.5	-
30	8	1	9.5	32	-	-	-	23	-
30	12	1	9.5	41.5	-	-	-	32.5	-
30	16	1	9.5	51	-	-	-	42	-
30	20	1	9.5	61	-	-	-	52	-
35	4	1	9.5	22.5	-	-	-	13.5	-
35	8	1	9.5	32	-	-	-	23	-
35	12	1	9.5	41.5	-	-	-	32.5	-
35	16	1	9.5	51	-	-	-	42	-
35	20	1	9.5	61	-	-	-	52	-
40	4	1	12	22.5	-	-	-	13.5	-
40	8	1	12	32	-	-	-	23	-
40	12	1	12	41.5	-	-	-	32.5	-
40	16	1	12	51	-	-	-	42	-
40	20	1	12	61	-	-	-	52	-
45	4	1	12	22.5	-	-	-	13.5	-
45	8	1	12	32	-	-	-	23	-
45	12	1	12	41.5	-	-	-	32.5	-
45	16	1	12	51	-	-	-	42	-
45	20	1	12	61	-	-	-	52	-
50	4	1	12	22.5	-	-	-	13.5	-
50	8	1	12	32	-	-	-	23	-

V-Belt Pulleys

PV Section J – Pilot Bored

De	Groove No.	Type	d	L	N	M	Di	W	E
50	12	1	12	41.5	-	-	-	32.5	-
50	16	1	12	51	-	-	-	42	-
50	20	1	12	61	-	-	-	52	-
56	12	1	12	41.5	-	-	-	32.5	-
56	16	1	12	51	-	-	-	42	-
56	20	1	12	61	-	-	-	52	-
60	16	1	12	51	-	-	-	42	-
60	20	1	12	61	-	-	-	52	-
63	16	1	12	51	-	-	-	42	-
63	20	1	12	61	-	-	-	52	-
67	16	1	12	51	-	-	-	42	-
67	20	1	12	61	-	-	-	52	-
50	4	1	12	32	-	-	-	20.5	-
50	6	1	12	40	-	-	-	28.5	-
50	8	1	12	48	-	-	-	36	-
50	10	1	12	54	-	-	-	42	-
50	12	1	12	61	-	-	-	49	-
56	6	1	12	40	-	-	-	28.5	-
56	8	1	12	48	-	-	-	36	-
56	10	1	12	54	-	-	-	42	-
56	12	1	12	61	-	-	-	49	-
60	8	1	12	48	-	-	-	36	-
60	10	1	12	54	-	-	-	42	-
60	12	1	12	61	-	-	-	49	-
63	8	1	12	48	-	-	-	36	-
63	10	1	12	54	-	-	-	42	-
63	12	1	12	61	-	-	-	49	-
67	8	1	12	48	-	-	-	36	-
67	10	1	12	54	-	-	-	42	-
67	12	1	12	61	-	-	-	49	-



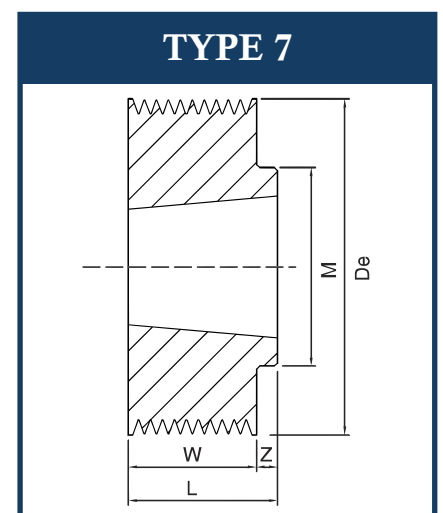
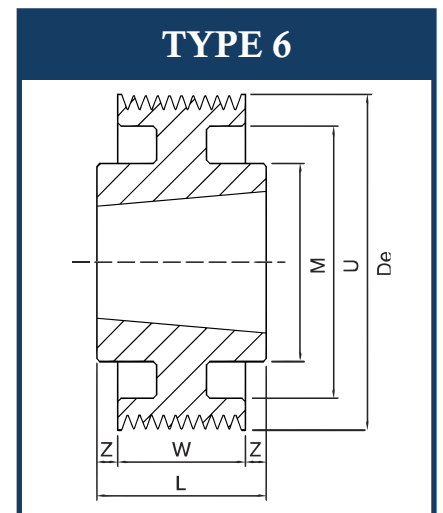
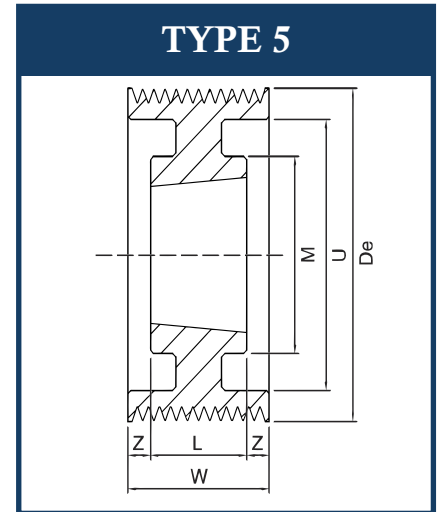


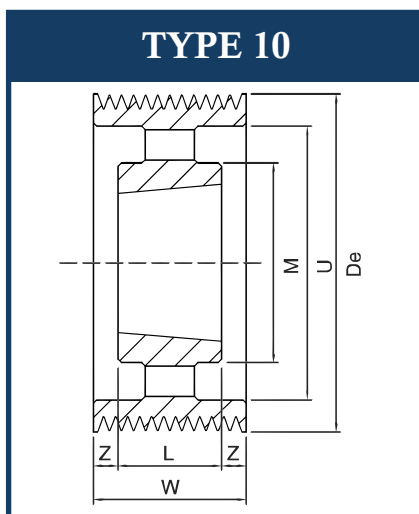
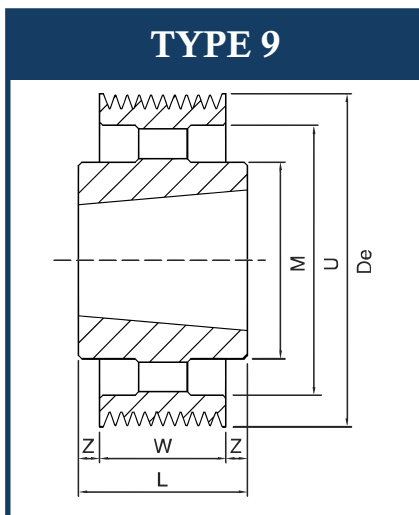
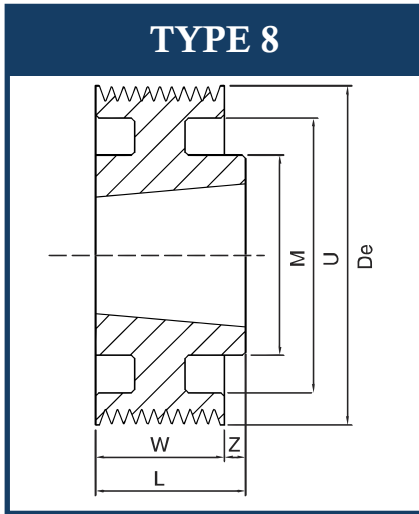
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
56	4	7	1108	-	23	9.5	50	-	13.5	-
56	8	3	1108	-	23	-	-	-	23	-
60	4	7	1108	-	23	9.5	50	-	13.5	-
60	8	3	1108	-	23	-	-	-	23	-
60	12	2	1108	-	23	9.5	-	45	32.5	-
63	4	7	1108	-	23	9.5	50	-	13.5	-
63	8	3	1108	-	23	-	-	-	23	-
63	12	2	1108	-	23	9.5	-	45	32.5	-
67	4	7	1108	-	23	9.5	50	-	13.5	-
67	8	3	1108	-	23	-	-	-	23	-
67	12	2	1108	-	23	9.5	-	51	32.5	-
71	4	7	1108	-	23	9.5	60	-	13.5	-
71	8	3	1108	-	23	-	-	-	23	-
71	12	2	1108	-	23	9.5	-	55	32.5	-
71	16	3	1215	-	42	-	-	55	42	-
71	20	2	1215	-	42	10	-	55	52	-
75	4	7	1108	-	23	9.5	60	-	13.5	-
75	8	3	1108	-	23	-	-	-	23	-
75	12	2	1210	-	26	6.5	-	59	32.5	-
75	16	2	1610	-	26	16	-	59	42	-
75	20	2	1615	-	42	10	-	59	52	-
80	4	7	1310	-	26	12.5	70	-	13.5	-
80	8	7	1310	-	26	3	70	-	23	-
80	12	2	1610	-	26	6.5	-	64	32.5	-
80	16	2	1610	-	26	16	-	64	42	-
80	20	2	1615	-	42	10	-	64	52	-
85	4	7	1310	-	26	12.5	70	-	13.5	-
85	8	7	1310	-	26	3	70	-	23	-
85	12	2	1610	-	26	6.5	-	69	32.5	-
85	16	2	1610	-	26	16	-	69	42	-
85	20	2	1615	-	42	10	-	69	52	-
90	4	7	1610	-	26	12.5	82	-	13.5	-
90	8	7	1610	-	26	3	82	-	23	-

V-Belt Pulleys

PV Section J

De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
90	12	2	1610	-	26	6.5	-	74	32.5	-
90	16	2	1610	-	26	16	-	74	42	-
90	20	2	1615	-	42	10	-	74	52	-
95	4	7	1610	-	26	12.5	82	-	13.5	-
95	8	7	1610	-	26	3	82	-	23	-
95	12	2	1610	-	26	6.5	-	79	32.5	-
95	16	2	1610	-	26	16	-	79	42	-
95	20	2	1615	-	42	10	-	79	52	-
100	4	7	1610	-	26	12.5	82	-	13.5	-
100	8	7	1610	-	26	3	82	-	23	-
100	12	2	1610	-	26	6.5	-	82	32.5	-
100	16	2	1610	-	26	16	-	82	42	-
100	20	2	1615	-	42	10	-	82	52	-
106	4	7	1610	-	26	12.5	88	-	13.5	-
106	8	7	1610	-	26	3	88	-	23	-
106	12	2	1610	-	26	6.5	-	88	32.5	-
106	16	2	1610	-	26	16	-	88	42	-
106	20	2	1615	-	42	10	-	88	52	-
112	4	7	1610	-	26	12.5	90	-	13.5	-
112	8	7	1610	-	26	3	90	-	23	-
112	12	2	1610	-	26	6.5	-	94	32.5	-
112	16	2	1610	-	26	16	-	94	42	-
112	20	2	1615	-	42	10	-	94	52	-
118	4	7	1610	-	26	12.5	90	-	13.5	-
118	8	7	1610	-	26	3	90	-	23	-
118	12	2	2012	-	32	0.5	-	98	32.5	-
118	16	2	2012	-	32	10	-	98	42	-
118	20	2	2012	-	32	20	-	98	52	-
125	4	8	1610	-	26	12.5	90	109	13.5	4.50
125	8	8	1610	-	26	3	90	109	23	7.67
125	12	2	2012	-	32	0.5	-	105	32.5	-
125	16	2	2012	-	32	10	-	105	42	-
125	20	2	2517	-	45	7	-	105	52	-



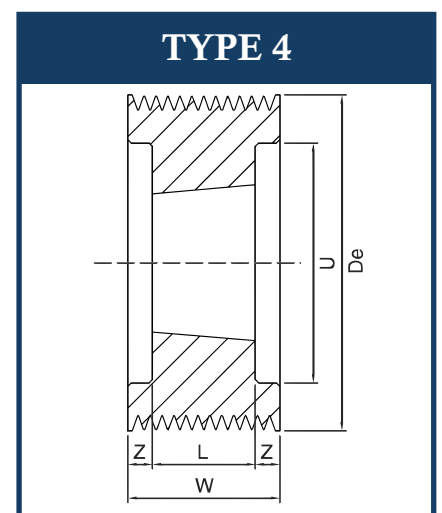
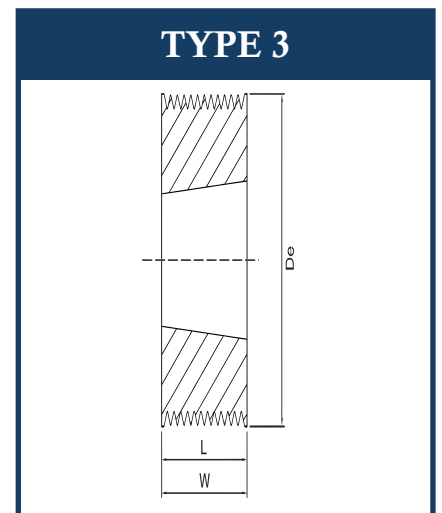
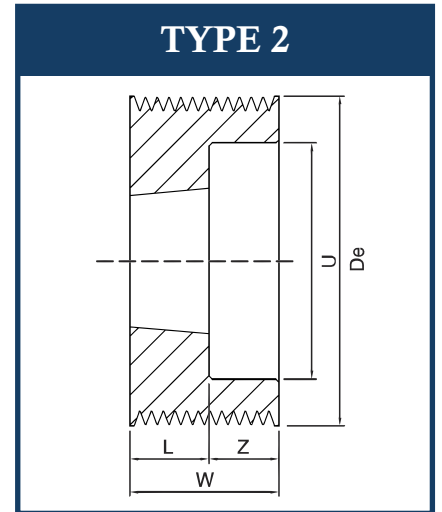


De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
132	4	8	1610	-	26	12.5	90	116	13.5	4.50
132	8	8	1610	-	26	3	90	116	23	7.67
132	12	2	2012	-	32	0.5	-	112	32.5	-
132	16	2	2012	-	32	10	-	112	42	-
132	20	2	2517	-	45	7	-	112	52	-
140	4	8	1610	-	26	12.5	90	124	13.5	4.50
140	8	8	1610	-	26	3	90	124	23	7.67
140	12	7	2517	-	45	12.5	120	-	32.5	-
140	16	7	2517	-	45	3	120	-	42	-
140	20	2	2517	-	45	7	-	124	52	-
160	4	8	2012	-	32	18.5	110	144	13.5	4.50
160	8	8	2012	-	32	9	110	144	23	7.67
160	12	8	2517	-	45	12.5	120	140	32.5	10.83
160	16	8	2517	-	45	3	120	140	42	14.00
160	20	2	2517	-	45	7	-	140	52	-
180	4	6	2012	-	32	9.3	110	164	13.5	4.50
180	8	6	2012	-	32	4.5	110	164	23	7.67
180	12	6	2517	-	45	6.3	120	160	32.5	10.83
180	16	6	2517	-	45	1.5	120	160	42	14.00
180	20	5	2517	-	45	3.5	120	160	52	17.33
200	4	6	2012	-	32	9.3	110	185	13.5	4.50
200	8	6	2012	-	32	4.5	110	185	23	7.67
200	12	6	2517	-	45	6.3	120	180	32.5	10.83
200	16	6	2517	-	45	1.5	120	180	42	14.00
200	20	5	2517	-	45	3.5	120	180	52	17.33
224	4	6	2012	-	32	9.3	110	208	13.5	4.50
224	8	6	2012	-	32	4.5	110	208	23	7.67
224	12	6	2517	-	45	6.3	120	204	32.5	10.83
224	16	6	2517	-	45	1.5	120	204	42	14.00
224	20	5	2517	-	45	3.5	120	204	52	17.33
250	4	9	2012	-	32	9.3	110	234	13.5	4.50
250	8	9	2012	-	32	4.5	110	234	23	7.67
250	12	6	2517	-	45	6.3	120	230	32.5	10.83

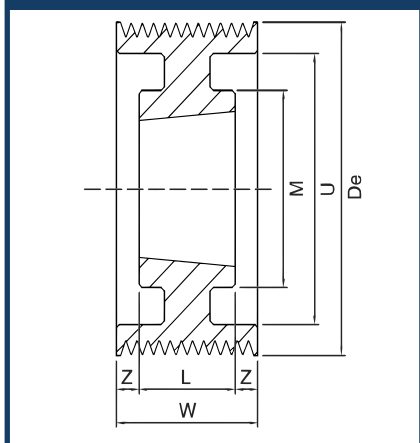
V-Belt Pulleys

PV Section J

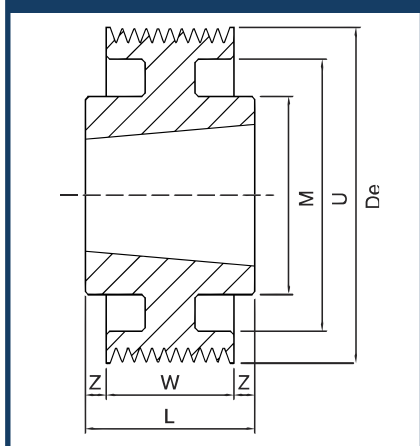
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
250	16	6	2517	-	45	1.5	120	230	42	14.00
250	20	5	2517	-	45	3.5	120	230	52	17.33
280	4	9	2012	-	32	9.3	110	264	13.5	4.50
280	8	9	2012	-	32	4.5	110	264	23	7.67
280	12	9	2517	-	45	6.3	120	260	32.5	10.83
280	16	9	2517	-	45	1.5	120	260	42	14.00
280	20	10	2517	-	45	3.5	120	260	52	17.33
315	4	9	2012	-	32	9.3	110	299	13.5	4.50
315	8	9	2012	-	32	4.5	110	299	23	7.67
315	12	9	2517	-	45	6.3	120	295	32.5	10.83
315	16	9	2517	-	45	1.5	120	295	42	14.00
315	20	10	2517	-	45	3.5	120	295	52	17.33
355	4	9	2517	-	45	15.7	120	339	13.5	4.50
355	8	9	2517	-	45	11	120	339	23	7.67
355	12	9	2517	-	45	6.3	120	335	32.5	10.83
355	16	9	3020	-	52	5	146	335	42	14.00
355	20	10	3020	-	52	-	146	335	52	17.33
400	4	9	2517	-	45	15.8	120	380	13.5	4.50
400	8	9	2517	-	45	11	120	380	23	7.67
400	12	9	2517	-	45	6.3	120	380	32.5	10.83
400	16	9	3020	-	52	5	146	380	42	14.00
400	20	10	3020	-	52	-	146	380	52	17.33



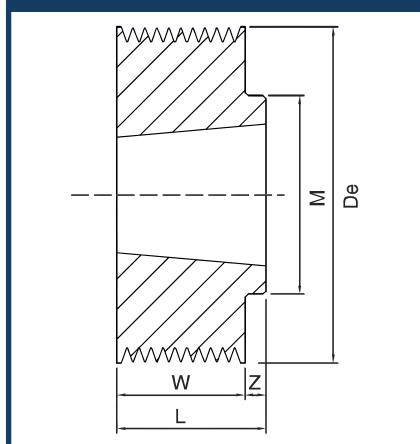
TYPE 5



TYPE 6



TYPE 7

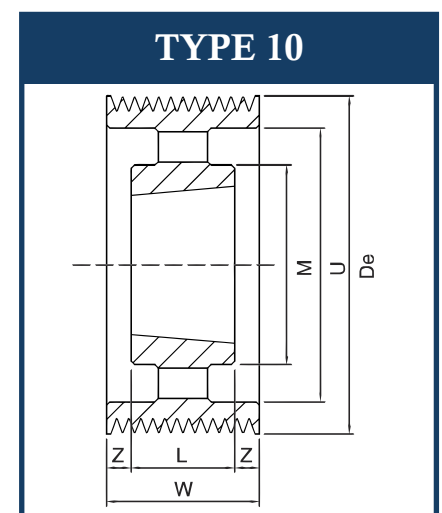
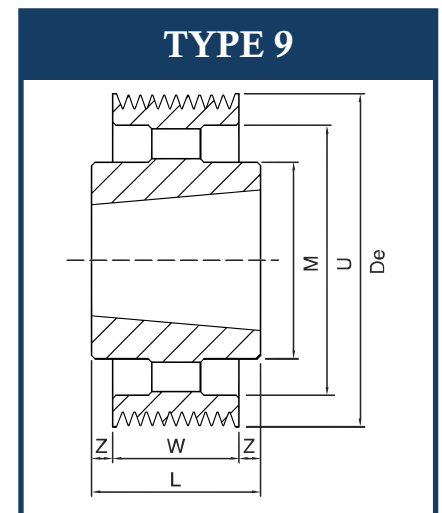
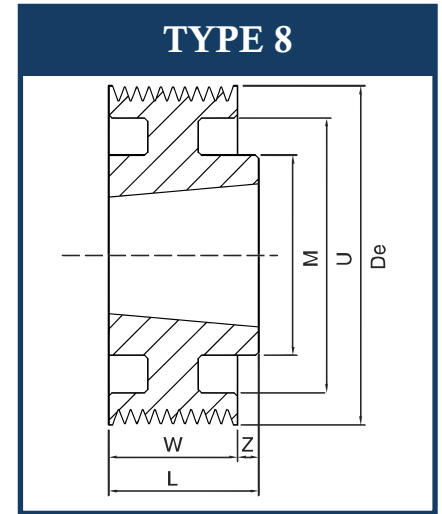


De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
56	4	3	1108	-	20.5	-	-	-	20.5	-
60	4	3	1108	-	20.5	-	-	-	20.5	-
60	6	2	1108	-	22	6.5	-	45	28.5	-
63	4	3	1108	-	20.5	-	-	-	20.5	-
63	6	2	1108	-	22	6.5	-	48	28.5	-
67	4	3	1108	-	20.5	-	-	-	20.5	-
67	6	2	1108	-	22	6.5	-	51	28.5	-
71	4	3	1108	-	20.5	-	-	-	20.5	-
71	6	2	1108	-	23	6.5	-	55	28.5	-
71	8	2	1210	-	26	10	-	55	36	-
71	10	3	1215	-	42	-	-	-	42	-
71	12	2	1215	-	42	7	-	55	49	-
75	4	3	1108	-	20.5	-	-	-	20.5	-
75	6	2	1210	-	26	2.5	-	59	28.5	-
75	8	2	1210	-	26	10	-	59	36	-
75	10	3	1215	-	42	-	-	-	42	-
75	12	2	1215	-	42	7	-	59	49	-
80	4	7	1210	-	26	5.5	70	-	20.5	-
80	6	2	1210	-	26	2.5	-	64	28.5	-
80	8	2	1210	-	26	10	-	64	36	-
80	10	3	1215	-	42	-	-	-	42	-
80	12	2	1215	-	42	7	-	64	49	-
85	4	7	1210	-	26	5.5	70	-	20.5	-
85	6	2	1210	-	26	2.5	-	69	28.5	-
85	8	2	1210	-	26	10	-	69	36	-
85	10	3	1215	-	42	-	-	-	42	-
85	12	2	1215	-	42	7	-	69	49	-
90	4	7	1210	-	26	5.5	82	-	20.5	-
90	6	2	1210	-	26	2.5	-	74	28.5	-
90	8	2	1210	-	26	10	-	74	36	-
90	10	3	1215	-	42	-	-	-	42	-
90	12	2	1215	-	42	7	-	74	49	-
95	4	7	1610	-	26	5.5	90	-	20.5	-

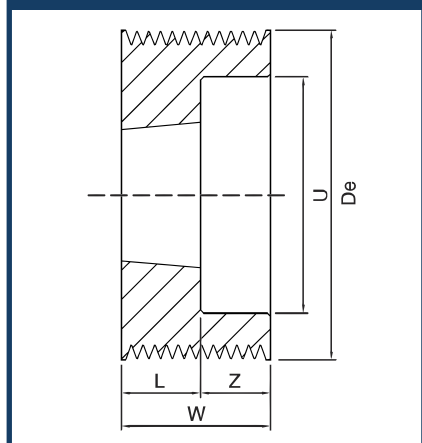
V-Belt Pulleys

PV Section K

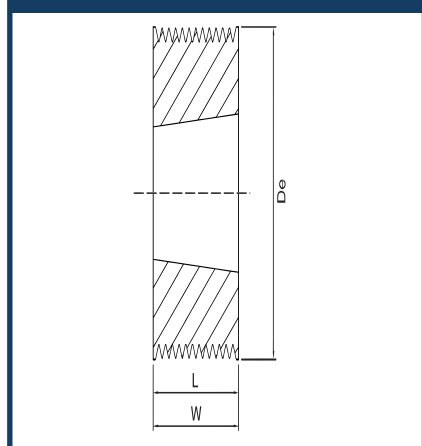
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
95	6	2	1610	-	26	2.5	-	79	28.5	-
95	8	2	1610	-	26	10	-	79	36	-
95	10	3	1615	-	42	-	-	-	42	-
95	12	2	1615	-	42	7	-	79	49	-
100	4	7	1610	-	26	5.5	90	-	20.5	-
100	6	2	1610	-	26	2.5	-	82	28.5	-
100	8	2	1610	-	26	10	-	82	36	-
100	10	3	1615	-	42	-	-	-	42	-
100	12	2	1615	-	42	7	-	82	49	-
106	4	7	1610	-	26	5.5	90	-	20.5	-
106	6	2	1610	-	26	2.5	-	88	28.5	-
106	8	2	1610	-	26	10	-	88	36	-
106	10	3	1615	-	42	-	-	-	42	-
106	12	2	1615	-	42	7	-	88	49	-
112	4	7	1610	-	26	5.5	90	-	20.5	-
112	6	2	1610	-	26	2.5	-	94	28.5	-
112	8	2	1610	-	26	10	-	94	36	-
112	10	3	1615	-	42	-	-	-	42	-
112	12	2	1615	-	42	7	-	94	49	-
118	4	7	1610	-	26	5.5	90	-	20.5	-
118	6	7	2012	-	32	3.5	110	-	28.5	-
118	8	2	2012	-	32	4	-	98	36	-
118	10	2	2012	-	32	10	-	98	42	-
118	12	2	2012	-	32	17	-	98	49	-
125	4	8	1610	-	26	5.5	90	109	20.5	6.83
125	6	7	2012	-	32	3.5	110	-	28.5	-
125	8	2	2012	-	32	4	-	105	36	-
125	10	2	2012	-	32	10	-	105	42	-
125	12	2	2517	-	45	4	-	105	49	-
132	4	8	1610	-	26	5.5	90	116	20.5	6.83
132	6	7	2012	-	32	3.5	110	-	28.5	-
132	8	2	2012	-	32	4	-	112	36	-
132	10	2	2012	-	32	10	-	112	42	-



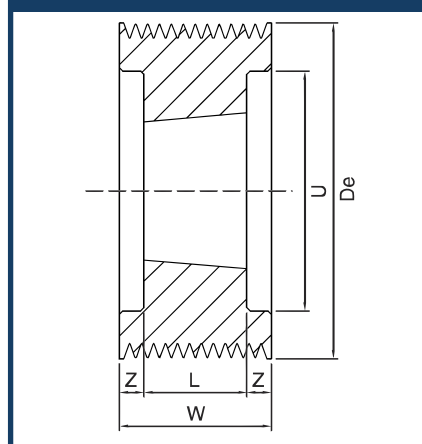
TYPE 2



TYPE 3



TYPE 4

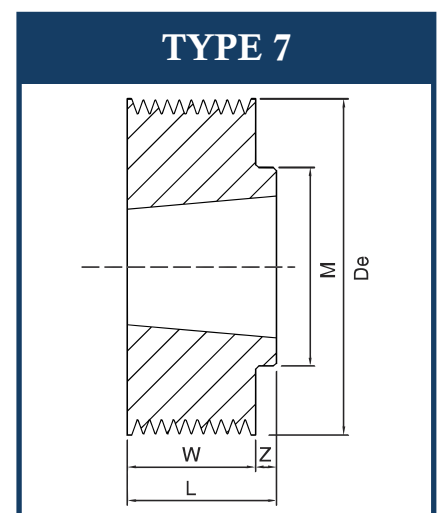
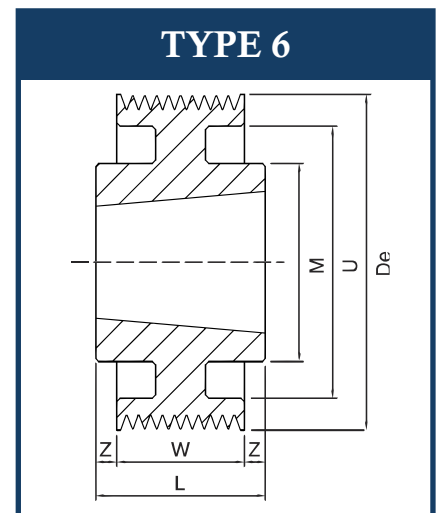
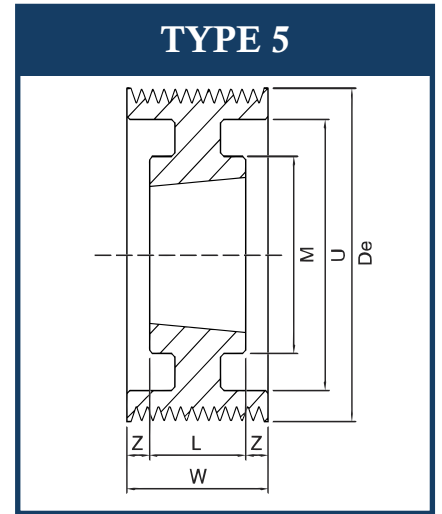


De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
132	12	2	2517	-	45	4	-	112	49	-
140	4	8	1610	-	26	5.5	90	124	20.5	6.83
140	6	7	2517	-	45	16.5	120	-	28.5	-
140	8	7	2517	-	45	9	120	-	36	-
140	10	7	2517	-	45	3	120	-	42	-
140	12	7	2517	-	45	4	-	124	49	-
150	4	8	1610	-	26	5.5	90	134	20.5	6.83
150	6	7	2517	-	45	16.5	120	-	28.5	-
150	8	7	2517	-	45	9	120	-	36	-
150	10	7	2517	-	45	3	120	-	42	-
150	12	2	2517	-	45	4	-	130	49	-
160	4	8	2012	-	32	11.5	110	144	20.5	6.83
160	6	8	2517	-	45	16.5	120	140	28.5	9.50
160	8	8	2517	-	45	9	120	140	36	12.00
160	10	8	2517	-	45	3	120	140	42	14.00
160	12	2	2517	-	45	4	-	140	49	-
170	4	8	2012	-	32	11.5	110	154	20.5	6.83
170	6	8	2517	-	45	16.5	120	150	28.5	9.50
170	8	8	2517	-	45	9	120	150	36	12.00
170	10	7	2517	-	45	3	120	150	42	-
170	12	2	2517	-	45	4	-	150	49	-
180	4	6	2012	-	32	5.75	110	164	20.5	6.83
180	6	6	2517	-	45	8.25	120	160	28.5	9.50
180	8	6	2517	-	45	4.5	120	160	36	12.00
180	10	6	2517	-	45	1.5	120	160	42	14.00
180	12	5	2517	-	45	2	120	160	49	16.33
190	4	6	2012	-	32	5.75	110	174	20.5	6.83
190	6	6	2517	-	45	8.25	120	170	28.5	9.50
190	8	6	2517	-	45	4.5	120	170	36	12.00
190	10	6	2517	-	45	1.5	120	170	42	14.00
190	12	5	2517	-	45	2	120	170	49	16.33
200	4	6	2012	-	32	5.75	110	184	20.5	6.83
200	6	6	2517	-	45	8.25	120	180	28.5	9.50

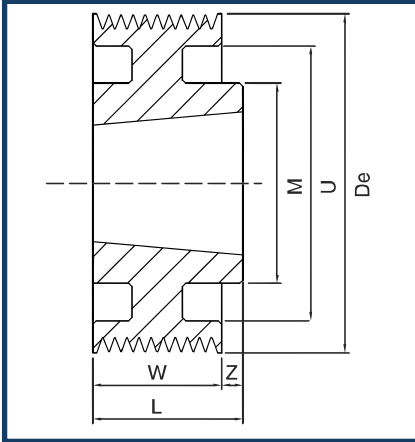
V-Belt Pulleys

PV Section K

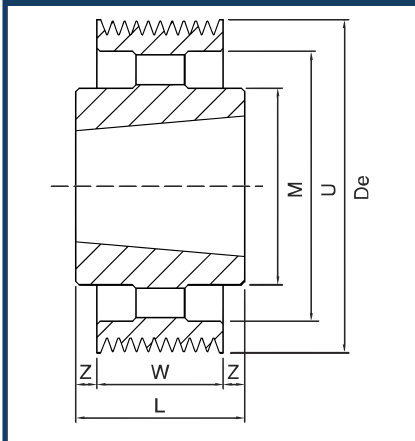
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
200	8	6	2517	-	45	4.5	120	180	36	12.00
200	10	6	2517	-	45	1.5	120	180	42	14.00
200	12	5	2517	-	45	2	120	180	49	16.33
212	4	6	2012	-	32	5.75	110	196	20.5	6.83
212	6	6	2517	-	45	8.25	120	192	28.5	9.50
212	8	6	2517	-	45	4.5	120	192	36	12.00
212	10	6	2517	-	45	1.5	120	192	42	14.00
212	12	5	2517	-	45	2	120	192	49	16.33
224	4	6	2012	-	32	5.75	110	208	20.5	6.83
224	6	6	2517	-	45	8.25	120	204	28.5	9.50
224	8	6	2517	-	45	4.5	120	204	36	12.00
224	10	6	2517	-	45	1.5	120	204	42	14.00
224	12	5	2517	-	45	2	120	204	49	16.33
236	4	6	2012	-	32	5.75	110	220	20.5	6.83
236	6	6	2517	-	45	8.25	120	216	28.5	9.50
236	8	6	2517	-	45	4.5	120	216	36	12.00
236	10	6	2517	-	45	1.5	120	216	42	14.00
236	12	5	2517	-	45	2	120	216	49	16.33
250	4	9	2012	-	32	5.75	110	234	20.5	6.83
250	6	6	2517	-	45	8.25	120	230	28.5	9.50
250	8	6	2517	-	45	4.5	120	230	36	12.00
250	10	6	2517	-	45	1.5	120	230	42	14.00
250	12	5	2517	-	45	2	120	230	49	16.33
280	4	9	2012	-	32	5.75	110	264	20.5	6.83
280	6	9	2517	-	45	8.25	120	260	28.5	9.50
280	8	9	2517	-	45	4.5	120	260	36	12.00
280	10	9	3020	-	52	5	146	256	42	14.00
280	12	9	3020	-	52	1.5	146	256	49	16.33
315	4	9	2012	-	32	5.75	110	299	20.5	6.83
315	6	9	2517	-	45	8.25	120	295	28.5	9.50
315	8	9	2517	-	45	4.5	120	295	36	12.00
315	10	6	3020	-	52	5	146	285	42	14.00
315	12	9	3020	-	52	1.5	146	285	49	16.33



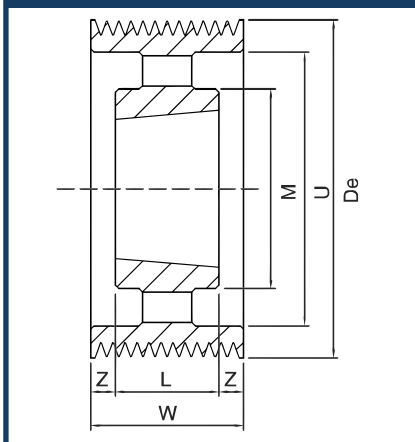
TYPE 8



TYPE 9



TYPE 10

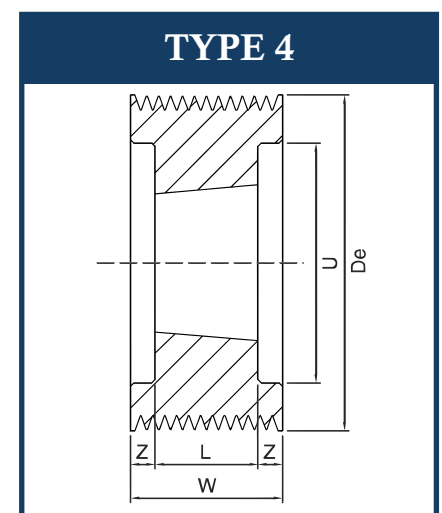
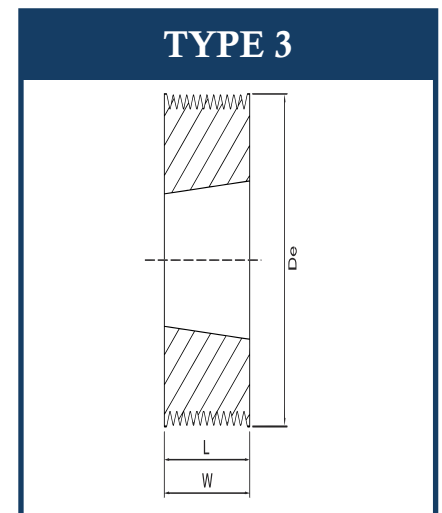
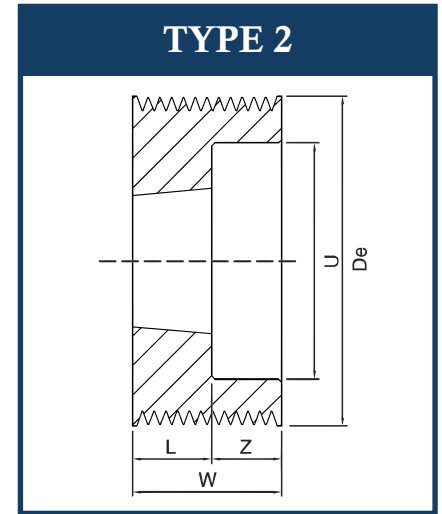


De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
355	4	9	2517	-	45	12.25	120	339	20.5	6.83
355	6	9	2517	-	45	8.25	120	339	28.5	9.50
355	8	9	3020	-	52	8	146	335	36	12.00
355	10	9	3020	-	52	5	146	335	42	14.00
355	12	9	3020	-	52	1.5	146	335	49	16.33
400	4	9	2517	-	45	2.25	120	380	20.5	6.83
400	6	9	2517	-	45	8.25	120	380	28.5	9.50
400	8	9	3020	-	52	8	146	370	36	12.00
400	10	9	3020	-	52	5	146	370	42	14.00
400	12	9	3020	-	52	1.5	146	370	49	16.33
450	4	9	2517	-	45	12.25	120	420	20.5	6.83
450	6	9	2517	-	45	8.25	120	420	28.5	9.50
450	8	9	3020	-	52	8	146	420	36	12.00
450	10	9	3020	-	52	5	146	420	42	14.00
450	12	9	3020	-	52	1.5	146	420	49	16.33
500	4	9	2517	-	45	12.25	120	470	20.5	6.83
500	6	9	2517	-	45	8.25	120	470	28.5	9.50
500	8	9	3020	-	52	8	146	470	36	12.00
500	10	9	3020	-	52	5	146	470	42	14.00
500	12	9	3020	-	52	1.5	146	470	49	16.33

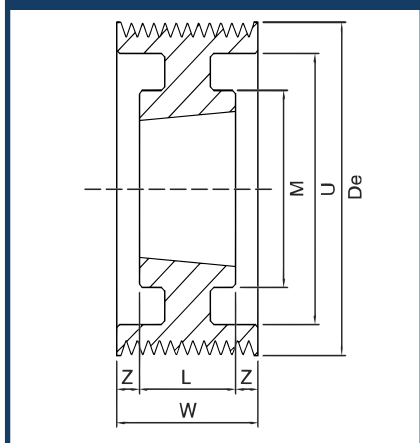
V-Belt Pulleys

PV Section L

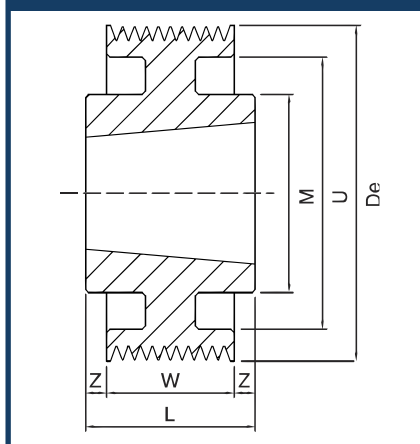
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
75	6	2	1210	-	26	12.5	-	56	38.5	-
75	8	2	1210	-	26	22	-	56	48	-
75	10	2	1215	-	42	15	-	56	57	-
75	12	2	1215	-	42	25	-	56	67	-
80	6	2	1210	-	26	12.5	-	56	38.5	-
80	8	2	1210	-	26	22	-	56	48	-
80	10	2	1215	-	42	15	-	56	57	-
80	12	2	1215	-	42	25	-	56	67	-
85	6	2	1210	-	26	12.5	-	61	38.5	-
85	8	2	1210	-	26	22	-	61	48	-
85	10	2	1215	-	42	15	-	61	57	-
85	12	2	1215	-	42	25	-	61	67	-
85	16	4	1215	-	42	22	-	61	86	-
90	6	2	1210	-	26	12.5	-	66	38.5	-
90	8	2	1210	-	26	22	-	66	48	-
90	10	2	1215	-	42	15	-	66	57	-
90	12	2	1215	-	42	25	-	66	67	-
90	16	4	1215	-	42	22	-	66	86	-
95	6	2	1210	-	26	12.5	-	71	38.5	-
95	8	2	1210	-	26	22	-	71	48	-
95	10	2	1215	-	42	15	-	71	57	-
95	12	2	1215	-	42	25	-	71	67	-
95	16	4	1215	-	42	22	-	71	86	-
100	6	2	1610	-	26	12.5	-	76	38.5	-
100	8	2	1610	-	26	22	-	76	48	-
100	10	2	2012	-	32	25	-	79	57	-
100	12	2	2012	-	32	35	-	79	67	-
100	16	4	2012	-	32	27	-	79	86	-
106	6	2	1610	-	26	12.5	-	82	38.5	-
106	8	2	1610	-	26	22	-	82	48	-
106	10	2	2012	-	32	25	-	82	57	-
106	12	2	2012	-	32	35	-	82	67	-
106	16	4	2012	-	32	27	-	82	86	-



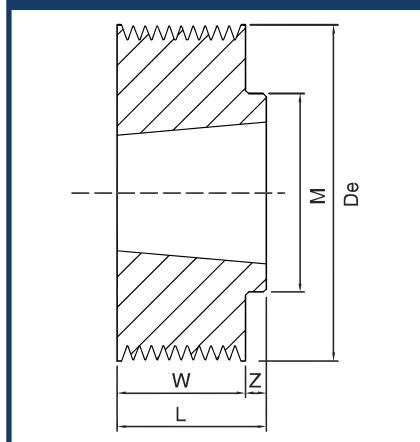
TYPE 5



TYPE 6



TYPE 7

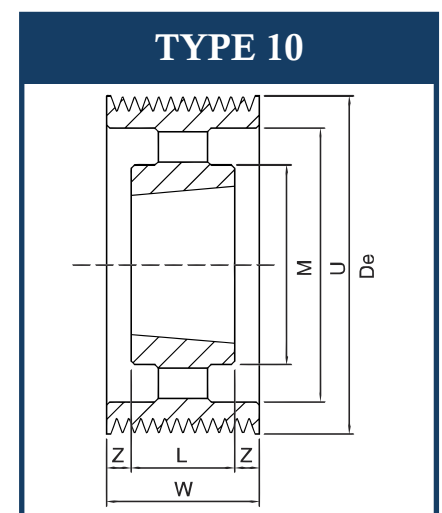
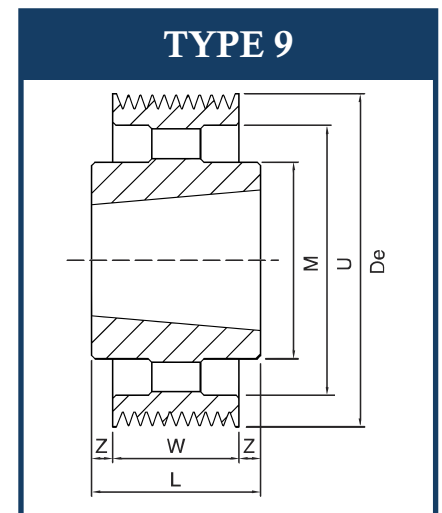
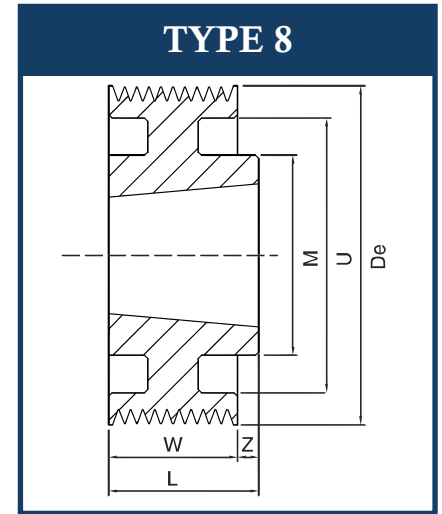


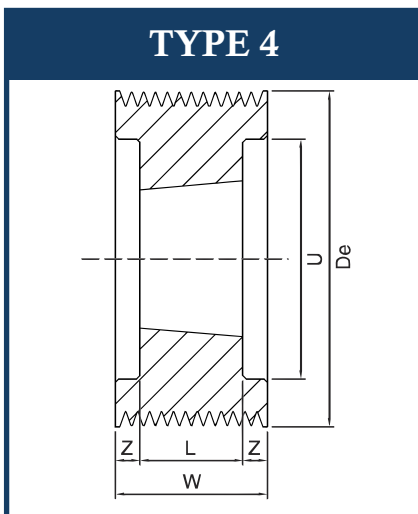
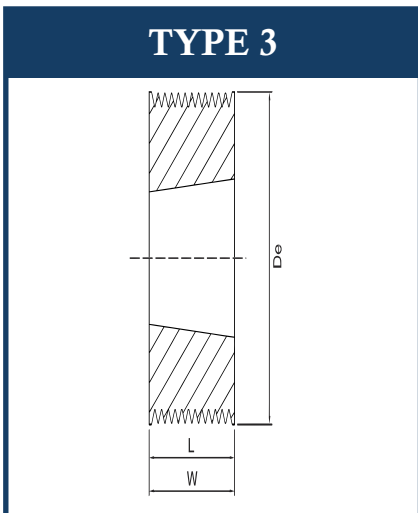
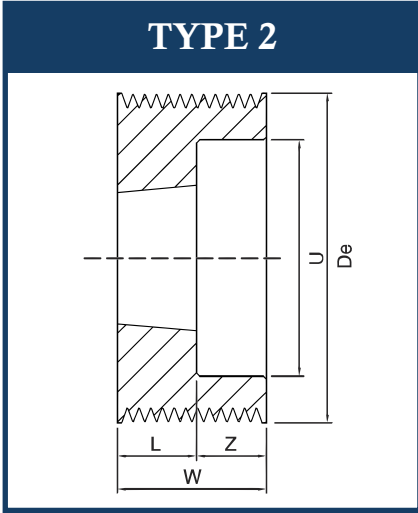
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
112	6	2	1610	-	26	12.5	-	88	38.5	-
112	8	2	1610	-	26	22	-	88	48	-
112	10	2	2012	-	32	25	-	88	57	-
112	12	2	2012	-	32	35	-	88	67	-
112	16	4	2012	-	32	27	-	88	86	-
118	6	2	2012	-	32	6.5	-	94	38.5	-
118	8	2	2012	-	32	16	-	94	48	-
118	10	4	2517	-	45	6	-	97	57	-
118	12	4	2517	-	45	11	-	97	67	-
118	16	4	2517	-	45	20.5	-	97	86	-
118	20	4	2517	-	45	30	-	97	105	-
125	6	2	2012	-	32	6.5	-	101	38.5	-
125	8	2	2012	-	32	16	-	101	48	-
125	10	4	2517	-	45	6	-	101	57	-
125	12	4	2517	-	45	11	-	101	67	-
125	16	4	2517	-	45	20.5	-	101	86	-
125	20	4	2517	-	45	30	-	101	105	-
132	6	2	2012	-	32	6.5	-	108	38.5	-
132	8	2	2012	-	32	16	-	108	48	-
132	10	4	2517	-	45	6	-	108	57	-
132	12	4	2517	-	45	11	-	108	67	-
132	16	4	2517	-	45	20.5	-	108	86	-
132	20	4	2517	-	45	30	-	108	105	-
140	6	7	2517	-	45	6.5	120	-	38.5	-
140	8	2	2517	-	45	3	-	116	48	-
140	10	4	2517	-	45	6	-	116	57	-
140	12	4	2517	-	45	11	-	116	67	-
140	16	4	2517	-	45	20.5	-	116	86	-
140	20	4	3020	-	52	26.5	-	116	105	-
150	6	7	2517	-	45	6.5	120	-	38.5	-
150	8	2	2517	-	45	3	-	126	48	-
150	10	4	2517	-	45	6	-	126	57	-
150	12	4	2517	-	45	11	-	126	67	-

V-Belt Pulleys

PV Section L

De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
150	16	4	2517	-	45	20.5	-	126	86	-
150	20	4	3020	-	52	26.5	-	126	105	-
160	6	7	2517	-	45	6.5	120	-	38.5	-
160	8	2	2517	-	45	3	-	136	48	-
160	10	4	2517	-	45	6	-	136	57	-
160	12	4	2517	-	45	11	-	136	67	-
160	16	4	3020	-	52	17	-	136	86	-
160	20	4	3020	-	52	26.5	-	136	105	-
170	6	8	2517	-	45	6.5	120	146	38.5	12.83
170	8	2	2517	-	45	3	-	146	48	-
170	10	4	2517	-	45	6	-	146	57	-
170	12	4	2517	-	45	11	-	146	67	-
170	16	4	3020	-	52	17	-	146	86	-
170	20	4	3020	-	52	26.5	-	146	105	-
180	6	6	2517	-	45	3.25	120	156	38.5	12.83
180	8	5	2517	-	45	1.5	120	156	48	16.00
180	10	5	2517	-	45	6	120	156	57	19.00
180	12	5	2517	-	45	11	120	156	67	22.33
180	16	4	3020	-	52	17	-	156	86	-
180	20	4	3020	-	52	26.5	-	156	105	-
190	6	6	2517	-	45	3.25	120	166	38.5	12.83
190	8	5	2517	-	45	1.5	120	166	48	16.00
190	10	5	2517	-	45	6	120	166	57	19.00
190	12	5	2517	-	45	11	120	166	67	22.33
190	16	5	3020	-	52	17	146	166	86	28.67
190	20	5	3020	-	52	26.5	146	166	105	35.00
200	6	6	2517	-	45	3.25	120	176	38.5	12.83
200	8	5	2517	-	45	1.5	120	176	48	16.00
200	10	5	3020	-	52	2.5	146	176	57	19.00
200	12	5	3020	-	52	7.5	146	176	67	22.33
200	16	5	3020	-	52	17	146	176	86	28.67
200	20	4	3535	-	89	8	-	176	105	-
212	6	6	2517	-	45	3.25	120	188	38.5	12.83



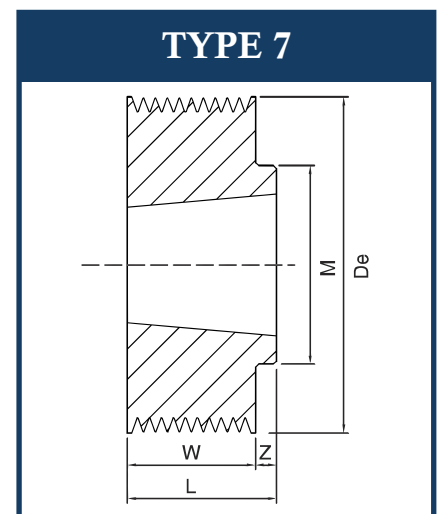
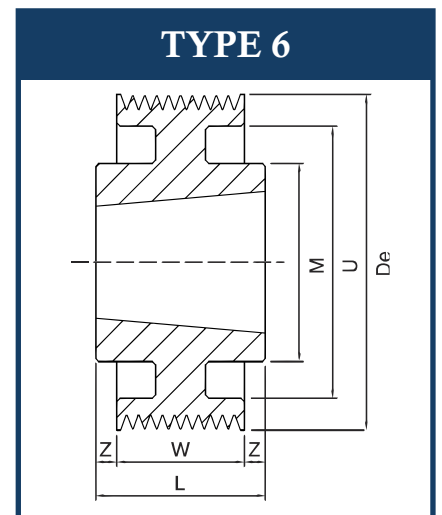
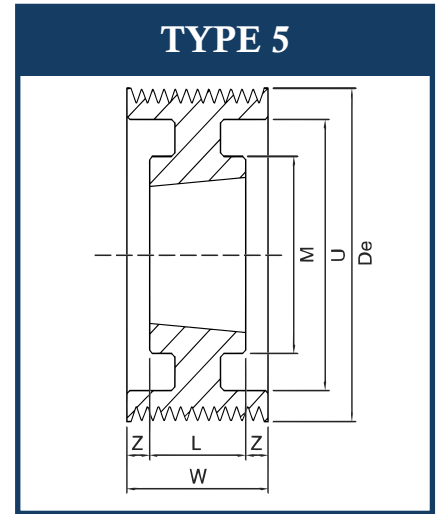


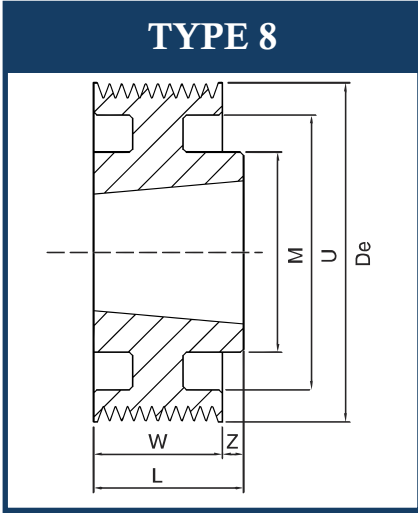
De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
212	8	5	2517	-	45	1.5	120	188	48	16.00
212	10	5	3020	-	52	2.5	146	188	57	19.00
212	12	5	3020	-	52	7.5	146	188	67	22.33
212	16	5	3020	-	52	17	146	188	86	28.67
212	20	4	3535	-	89	8	-	188	105	-
224	6	6	2517	-	45	3.25	120	202	38.5	12.83
224	8	5	2517	-	45	1.5	120	202	48	16.00
224	10	5	3020	-	52	2.5	146	202	57	19.00
224	12	5	3020	-	52	7.5	146	202	67	22.33
224	16	5	3020	-	52	17	146	202	86	28.67
224	20	5	3535	-	89	8	178	202	105	35.00
236	6	6	2517	-	45	3.25	120	214	38.5	12.83
236	8	5	2517	-	45	1.5	120	214	48	16.00
236	10	5	3020	-	52	2.5	146	214	57	19.00
236	12	5	3020	-	52	7.5	146	214	67	22.33
236	16	5	3020	-	52	17	146	214	86	28.67
236	20	5	3535	-	89	8	178	214	105	35.00
250	6	9	2517	-	45	3.25	120	228	38.5	12.83
250	8	5	2517	-	45	1.5	120	228	48	16.00
250	10	5	3020	-	52	2.5	146	228	57	19.00
250	12	5	3020	-	52	7.5	146	228	67	22.33
250	16	5	3020	-	52	17	146	228	86	28.67
250	20	5	3535	-	89	8	178	226	105	35.00
280	6	6	2517	-	45	3.25	120	256	38.5	12.83
280	8	6	3020	-	52	2	146	256	48	16.00
280	10	5	3020	-	52	2.5	146	256	57	19.00
280	12	5	3020	-	52	7.5	146	256	67	22.33
280	16	6	3535	-	89	1.5	178	256	86	28.67
280	20	5	3535	-	89	8	178	256	105	35.00
315	6	9	2517	-	45	3.25	120	285	38.5	12.83
315	8	9	3020	-	52	2	146	285	48	16.00
315	10	6	3535	-	89	16	178	285	57	19.00
315	12	6	3535	-	89	11	178	285	67	22.33

V-Belt Pulleys

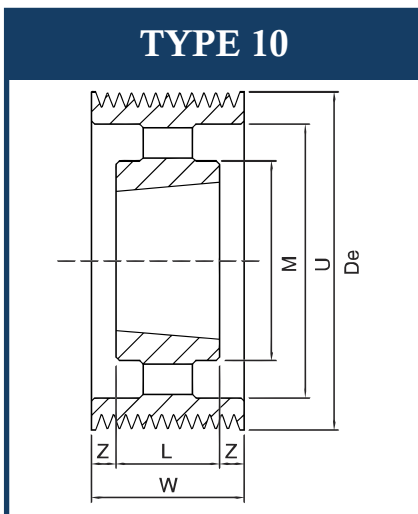
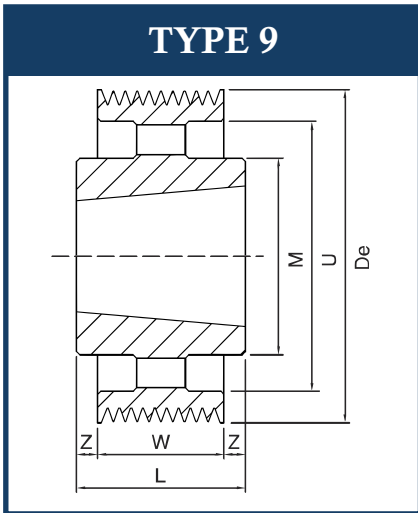
PV Section L

De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
315	16	6	3535	-	89	1.5	178	285	86	28.67
315	20	5	4040	-	102	1.5	215	285	105	35.00
355	6	9	3020	-	52	6.75	146	325	38.5	12.83
355	8	9	3020	-	52	2	146	325	48	16.00
355	10	9	3535	-	89	16	178	325	57	19.00
355	12	9	3535	-	89	11	178	325	67	22.33
355	16	9	3535	-	89	1.5	178	325	86	28.67
355	20	5	4040	-	102	1.5	215	325	105	35.00
400	6	9	3020	-	52	6.75	146	370	38.5	12.83
400	8	9	3020	-	52	2	146	370	48	16.00
400	10	9	3535	-	89	16	178	370	57	19.00
400	12	9	3535	-	89	11	178	370	67	22.33
400	16	9	3535	-	89	1.5	178	370	86	28.67
400	20	10	4040	-	102	1.5	215	370	105	35.00
450	6	9	3020	-	52	6.75	146	420	38.5	12.83
450	8	9	3020	-	52	2	146	420	48	16.00
450	10	9	3535	-	89	16	178	420	57	19.00
450	12	9	3535	-	89	11	178	420	67	22.33
450	16	9	3535	-	89	1.5	178	420	86	28.67
450	20	9	4040	-	102	1.5	215	420	105	35.00
500	6	9	3020	-	52	6.75	146	470	38.5	12.83
500	8	9	3020	-	52	2	146	470	48	16.00
500	10	9	3535	-	89	16	178	470	57	19.00
500	12	9	3535	-	89	11	178	470	67	22.33
500	16	9	3535	-	89	1.5	178	470	86	28.67
500	20	9	5050	-	127	11	267	470	105	35.00
630	6	9	3020	-	52	6.75	146	600	38.5	12.83
630	8	9	3020	-	52	2	146	600	48	16.00
630	10	9	3535	-	89	16	178	600	57	19.00
630	12	9	3535	-	89	11	178	600	67	22.33
630	16	9	4040	-	102	8	215	600	86	28.67
630	20	9	5050	-	127	11	267	600	105	35.00
800	6	9	3535	-	89	25.2	178	770	38.5	12.83

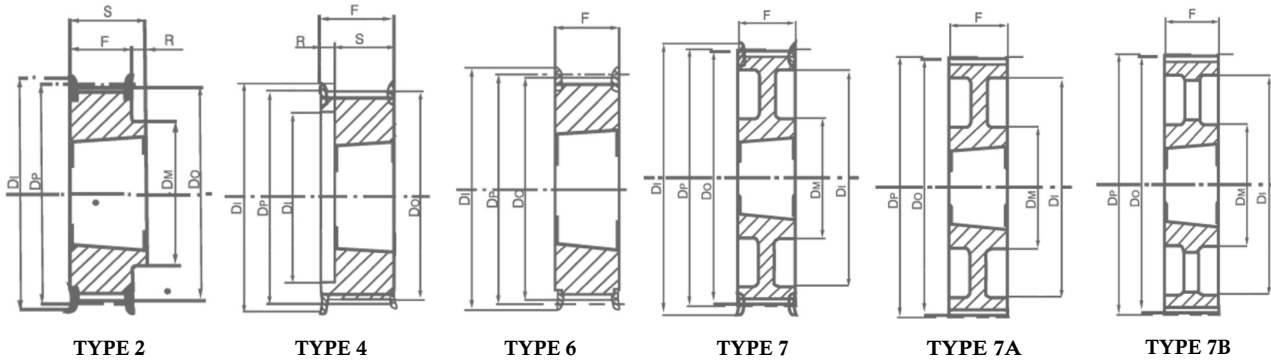




De	Groove No.	Type	Bush Size	d	L	Z	M	U	W	E
800	8	9	3535	-	89	20.5	178	770	48	16.00
800	10	9	4040	-	102	22.5	215	770	57	19.00
800	12	9	4040	-	102	17.5	215	770	67	22.33
800	16	9	5050	-	127	20.5	267	770	86	28.67
800	20	9	5050	-	127	11	267	770	105	35.00



L - 3/8" (9.525 mm) pitch L050 - 1/2" (13 mm) Wide Belts

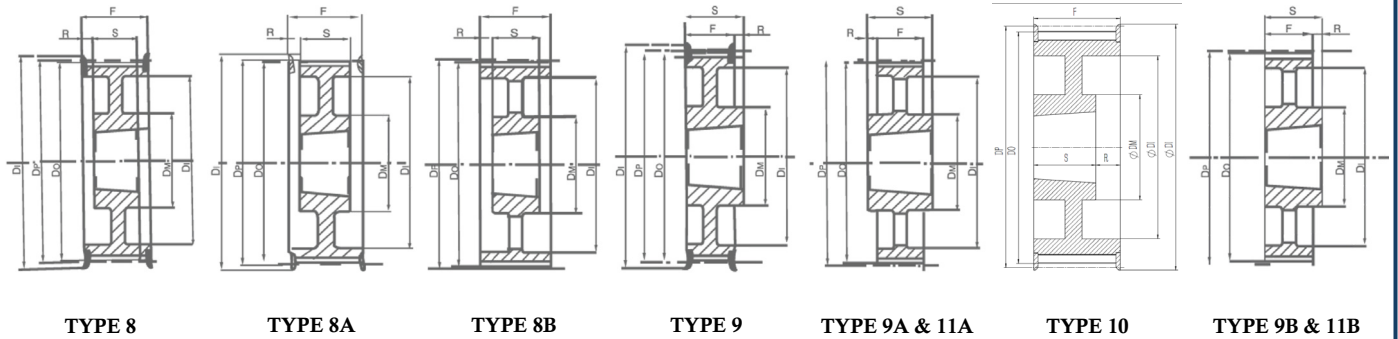


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD18L050	1108	2	C45	60	54.57	53.81	19	-	47	22
PBD19L050	1108	2	C45	64	57.61	56.84	19	-	47	22
PBD20L050	1108	2	C45	66.5	60.64	59.88	19	-	48	22
PBD21L050	1108	2	C45	70	63.67	62.91	19	-	48	22
PBD22L050	1108	2	C45	75	66.70	65.94	19	-	51	22
PBD23L050	1108	2	C45	79	69.73	68.97	19	-	51	22
PBD24L050	1108	2	C45	79	72.77	72.01	19	-	58	22
PBD25L050	1108	2	C45	82.5	75.80	75.04	19	-	58	22
PBD26L050	1108	2	C45	86	78.83	78.07	19	-	58	22
PBD27L050	1108	2	C45	86	81.86	81.10	19	-	58	22
PBD28L050	1108	2	C45	91	84.89	84.13	19	-	58	22
PBD29L050	1108	2	C45	94	87.93	87.16	19	-	58	22
PBD30L050	1108	2	C45	97	90.96	90.20	19	-	58	22
PBD32L050	1108	2	C45	102	97.02	96.26	19	-	58	22
PBD36L050	1108	9	C45	115	109.15	108.39	19	84	58	22
PBD40L050	1610	2	C45	128	121.28	120.52	19	-	90	25
PBD44L050	1610	9	C45	142	133.40	132.64	19	110	90	25
PBD45L050	1610	9	C45	142	136.44	135.67	19	118	90	25
PBD47L050	1610	9	C45	150	142.50	141.74	19	126	90	25
PBD48L050	1610	9	C45	150	145.53	144.77	19	126	90	25
PBD50L050	1610	9A	C45	-	151.60	150.83	19	132	90	25
PBD56L050	1610	9A	C45	-	169.79	169.02	19	152	90	25
PBD60L050	1610	11A	C45	-	181.91	181.15	19	162	90	25
PBD66L050	1610	11B	HT250	-	200.11	199.34	19	178	90	25
PBD72L050	1610	11B	HT250	-	218.30	217.54	19	199	90	25
PBD84L050	1610	11B	HT250	-	254.68	253.92	19	235	90	25
PBD96L050	2012	11B	HT250	-	291.06	290.30	19	270	110	32
PBD120L050	2012	11B	HT250	-	363.83	344.00	19	344	110	32

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

L - 3/8" (9.525 mm) pitch L075 - 3/4" (19 mm) Wide Belts

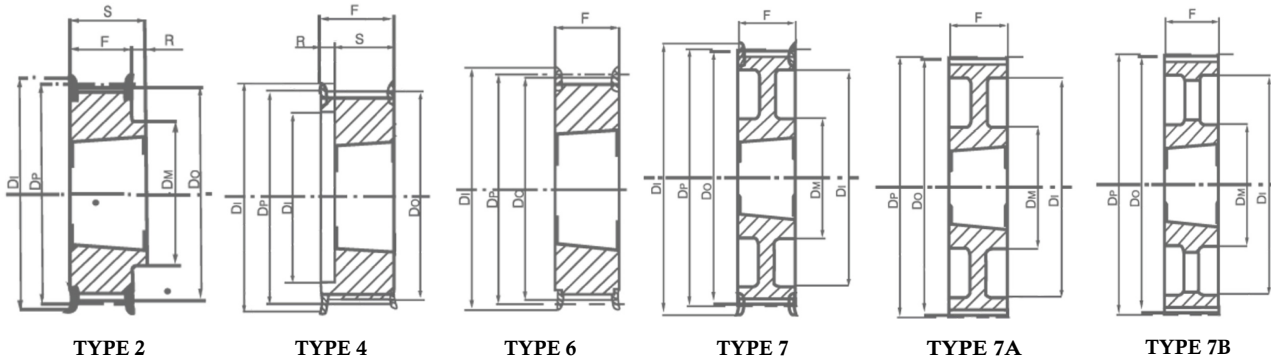


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD18L075	1108	4	C45	60	54.57	53.81	25	38	-	22
PBD19L075	1108	4	C45	64	57.61	56.84	25	38	-	22
PBD20L075	1108	4	C45	66.5	60.64	59.88	25	46	-	22
PBD21L075	1108	4	C45	70	63.67	62.91	25	46	-	22
PBD22L075	1108	4	C45	75	66.70	65.94	25	46	-	22
PBD23L075	1108	4	C45	79	69.73	68.97	25	46	-	22
PBD24L075	1108	4	C45	79	72.77	72.01	25	53	-	22
PBD25L075	1108	4	C45	82.5	75.80	75.04	25	53	-	22
PBD26L075	1108	4	C45	86	78.83	78.07	25	60	-	22
PBD27L075	1108	4	C45	86	81.86	81.10	25	60	-	22
PBD28L075	1108	4	C45	91	84.89	84.13	25	65	-	22
PBD30L075	1108	4	C45	97	90.96	90.20	25	68	-	22
PBD32L075	1108	4	C45	102	97.02	96.26	25	76	-	22
PBD34L075	1108	4	C45	112	103.08	102.32	25	85	-	22
PBD36L075	1610	6	C45	115	109.15	108.39	25	-	-	25
PBD40L075	1610	6	C45	128	121.28	120.52	25	-	-	25
PBD44L075	1610	7	C45	142	133.40	132.64	25	110	90	25
PBD47L075	1610	7	C45	150	142.50	141.74	25	126	90	25
PBD48L075	1610	7	C45	150	145.53	144.77	25	126	90	25
PBD52L075	1610	7A	C45	-	157.66	156.90	25	138	90	25
PBD57L075	1610	7A	C45	-	172.82	172.06	25	152	90	25
PBD60L075	1610	7A	C45	-	181.91	181.15	25	162	90	25
PBD66L075	1610	7A	HT250	-	200.11	199.34	25	178	90	25
PBD72L075	1610	7B	HT250	-	218.30	217.54	25	199	90	25
PBD84L075	2012	11B	HT250	-	254.68	253.92	25	235	110	32
PBD96L075	2012	11B	HT250	-	291.06	290.30	25	270	110	32
PBD120L075	2012	11B	HT250	-	363.83	363.07	25	344	110	32
PBD120L050	2012	11B	HT250	-	363.83	344.00	19	344	110	32

All dimensions in millimeters unless otherwise stated.

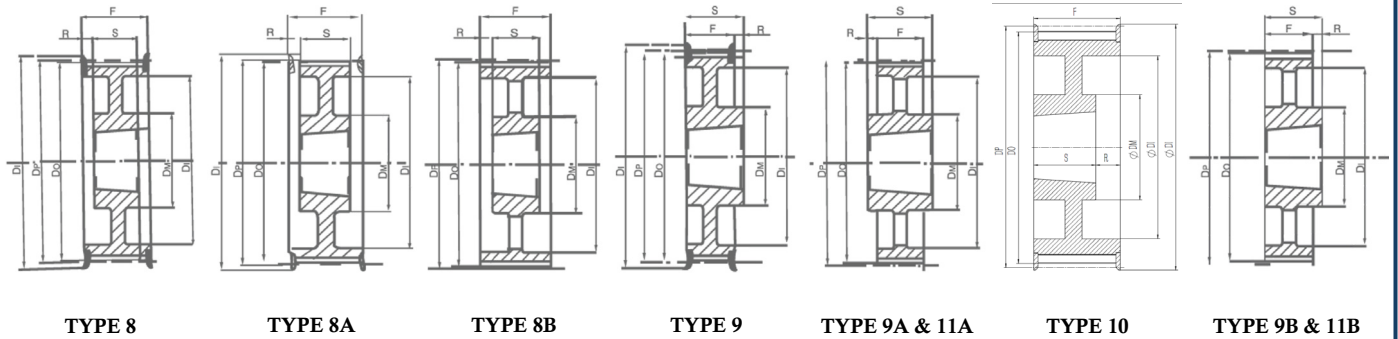
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

L - 3/8" (9.525 mm) pitch L100 - 1" (25 mm) Wide Belts



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
PBD18L100	1108	4	C45	60	54.57	53.81	32	38	-	22
PBD19L100	1108	4	C45	64	57.61	56.84	32	38	-	22
PBD20L100	1108	4	C45	66.5	60.64	59.88	32	46	-	22
PBD21L100	1108	4	C45	70	63.67	62.91	32	46	-	22
PBD22L100	1108	4	C45	75	66.70	65.94	32	46	-	22
PBD23L100	1108	4	C45	79	69.73	68.97	32	46	-	22
PBD24L100	1108	4	C45	79	72.77	72.01	32	53	-	22
PBD25L100	1108	4	C45	82.5	75.80	75.04	32	53	-	22
PBD26L100	1108	4	C45	86	78.83	78.07	32	60	-	22
PBD27L100	1108	4	C45	86	81.86	81.10	32	60	-	22
PBD28L100	1108	4	C45	91	84.89	84.13	32	65	-	22
PBD30L100	1210	4	C45	97	90.96	90.20	32	68	-	25
PBD32L100	1210	4	C45	102	97.02	96.26	32	76	-	25
PBD36L100	1610	4	C45	115	109.15	108.39	32	85	-	25
PBD40L100	1610	4	C45	128	121.28	120.52	32	100	-	25
PBD41L100	1610	4	C45	128	124.31	123.55	32	100	-	25
PBD42L100	1610	10	C45	142	127.34	126.58	32	110	90	25
PBD44L100	1610	10	C45	142	133.40	132.64	32	110	90	25
PBD48L100	1610	10	C45	150	145.53	144.77	32	126	90	25
PBD60L100	1610	8A	C45	-	181.91	181.15	32	162	90	25
PBD72L100	2012	7A	HT250	-	218.30	217.54	32	199	110	32
PBD84L100	2012	7B	HT250	-	254.68	253.92	32	235	110	32
PBD96L100	2012	7B	HT250	-	291.06	290.30	32	270	110	32
PBD120L100	2012	7B	HT250	-	363.83	363.07	32	344	110	32

H - 1/2" (12.7 mm) pitch H100 - 1" (25 mm) Wide Belts

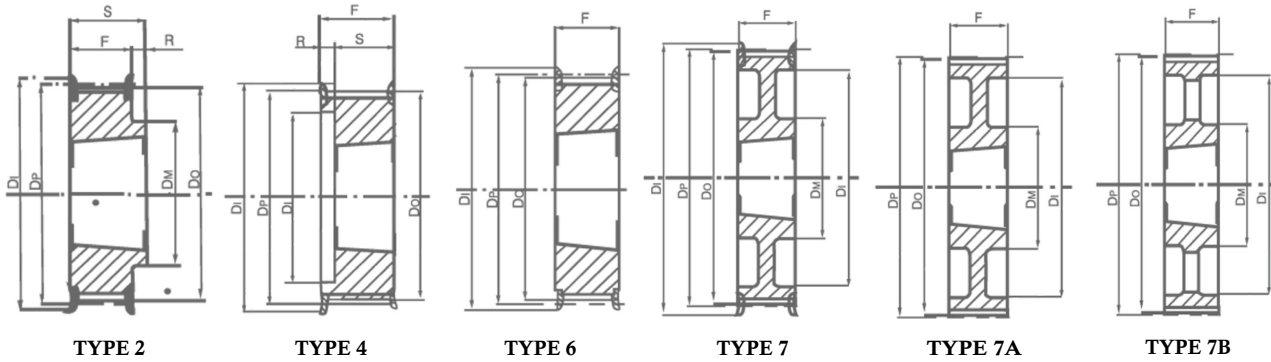


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD14H100	1108	4	C45	64	56.60	55.23	31	37	-	22
PBD15H100	1108	4	C45	66.5	60.64	59.27	31	37	-	22
PBD16H100	1108	4	C45	70	64.68	63.31	31	46	-	22
PBD17H100	1210	4	C45	75	68.72	67.35	31	46	-	25
PBD18H100	1210	4	C45	79	72.77	71.40	31	56	-	25
PBD19H100	1210	4	C45	82.5	76.81	75.44	31	56	-	25
PBD20H100	1210	4	C45	87	80.85	79.48	31	56	-	25
PBD21H100	1210	4	C45	91	84.89	83.52	32	62	-	25
PBD22H100	1210	4	C45	94	88.94	87.57	32	62	-	25
PBD23H100	1610	4	C45	97	92.98	91.61	32	71	-	25
PBD24H100	1610	4	C45	102	97.02	95.65	32	71	-	25
PBD25H100	1610	4	C45	106	101.06	99.69	32	78	-	25
PBD26H100	1610	4	C45	112	105.11	103.74	32	78	-	25
PBD27H100	1610	4	C45	115	109.15	107.78	32	86	-	25
PBD28H100	1610	4	C45	120	113.19	111.92	32	86	-	25
PBD30H100	1610	4	C45	128	121.28	119.91	32	95	-	25
PBD32H100	1610	10	C45	135	129.36	127.99	32	110	82	25
PBD33H100	1615	10	C45	137	133.40	132.03	32	112	82	25
PBD34H100	1610	10	C45	142	137.45	136.08	32	112	82	25
PBD35H100	1610	10	C45	150	141.49	140.12	32	120	82	25
PBD36H100	1610	10	C45	150	145.53	144.16	32	120	82	25
PBD38H100	1610	10	C45	158	153.62	152.25	32	136	82	25
PBD40H100	1610	10	C45	168	161.70	160.33	32	136	90	25
PBD44H100	2012	7	C45	184	177.87	176.50	32	162	110	32
PBD45H100	2012	7	C45	192	181.91	180.54	32	162	110	32
PBD48H100	2012	7	C45	200	194.04	192.67	32	168	110	32
PBD50H100	2012	8A	HT250	-	202.13	200.76	34	172	110	32
PBD52H100	2012	8A	HT250	-	210.21	208.84	34	185	110	32
PBD60H100	2012	8A	HT250	-	242.55	241.18	34	217	110	32
PBD70H100	2012	8B	HT250	-	282.98	281.61	34	264	110	32
PBD72H100	2012	8B	HT250	-	291.06	289.69	34	264	110	32
PBD84H100	2012	8B	HT250	-	339.57	338.20	34	312	120	32
PBD96H100	2517	11B	HT250	-	388.08	386.71	34	357	120	45
PBD106H100	2517	11B	HT250	-	428.51	427.14	34	402	120	45
PBD120H100	2517	11B	HT250	-	485.10	483.73	34	457	120	45

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

H - 1/2" (12.7 mm) pitch H150 - 1.1/2" (38 mm) Wide Belts

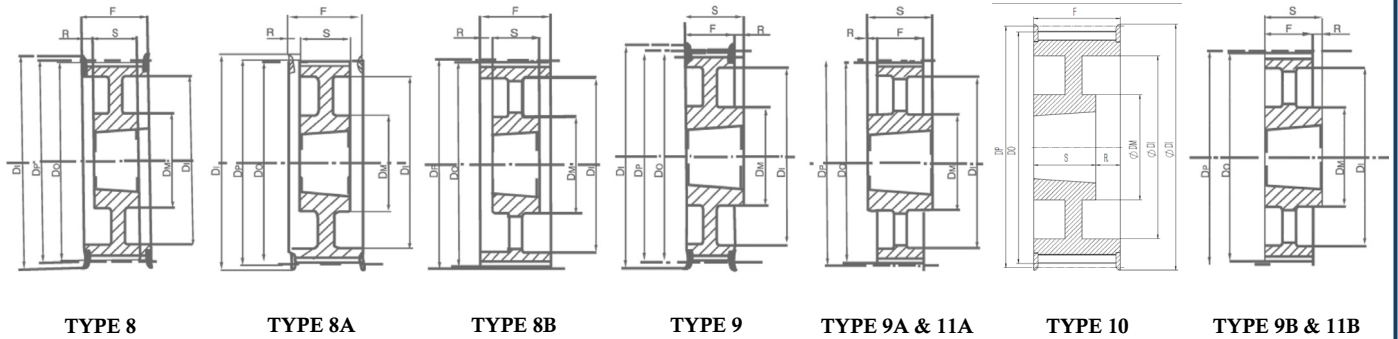


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD14H150	1108	4	C45	64	56.60	55.23	45	37	-	22
PBD16H150	1108	4	C45	70	64.68	63.31	45	46	-	22
PBD18H150	1210	4	C45	79	72.77	71.40	45	56	-	25
PBD19H150	1210	4	C45	82.5	76.81	75.44	45	56	-	25
PBD20H150	1210	4	C45	87	80.85	79.48	45	56	-	25
PBD21H150	1210	4	C45	91	84.89	83.52	45	67	-	25
PBD22H150	1210	4	C45	94	88.94	87.57	45	67	-	25
PBD23H150	1610	4	C45	97	92.98	91.61	45	71	-	25
PBD24H150	1610	4	C45	102	97.02	95.65	45	71	-	25
PBD25H150	1610	4	C45	106	101.06	99.69	45	78	-	25
PBD26H150	1610	4	C45	112	105.11	103.74	45	78	-	25
PBD27H150	1610	4	C45	115	109.15	107.78	45	86	-	25
PBD28H150	1610	4	C45	120	113.19	111.92	45	86	-	25
PBD30H150	1610	4	C45	128	121.28	119.91	45	95	-	25
PBD32H150	1610	10	C45	135	129.36	127.99	45	110	82	25
PBD35H150	1610	10	C45	150	141.49	140.12	45	120	82	25
PBD36H150	1610	10	C45	150	145.53	144.16	45	120	82	25
PBD40H150	1610	10	C45	168	161.70	160.33	45	136	90	25
PBD44H150	2012	10	C45	184	177.87	176.50	45	152	110	32
PBD45H150	2012	10	C45	192	181.91	180.54	45	162	110	32
PBD48H150	2012	10	C45	200	194.04	192.67	45	168	110	32
PBD60H150	2012	8B	HT250	-	242.55	241.18	46	217	110	32
PBD70H150	2012	8B	HT250	-	282.98	281.61	46	264	110	32
PBD72H150	2012	8B	HT250	-	291.06	289.69	46	264	110	32
PBD82H150	2012	8B	HT250	-	331.49	330.12	46	312	110	32
PBD84H150	2012	8B	HT250	-	339.57	338.20	46	312	110	32
PBD94H150	2517	8B	HT250	-	380.00	378.63	46	357	120	45
PBD96H150	2517	8B	HT250	-	388.08	386.71	46	357	120	45
PBD106H150	2517	8B	HT250	-	428.51	427.14	46	402	120	45
PBD120H150	2517	8B	HT250	-	485.10	483.73	46	457	120	45

All dimensions in millimeters unless otherwise stated.

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H - 1/2" (12.7 mm) pitch H200 - 2" (51 mm) Wide Belts

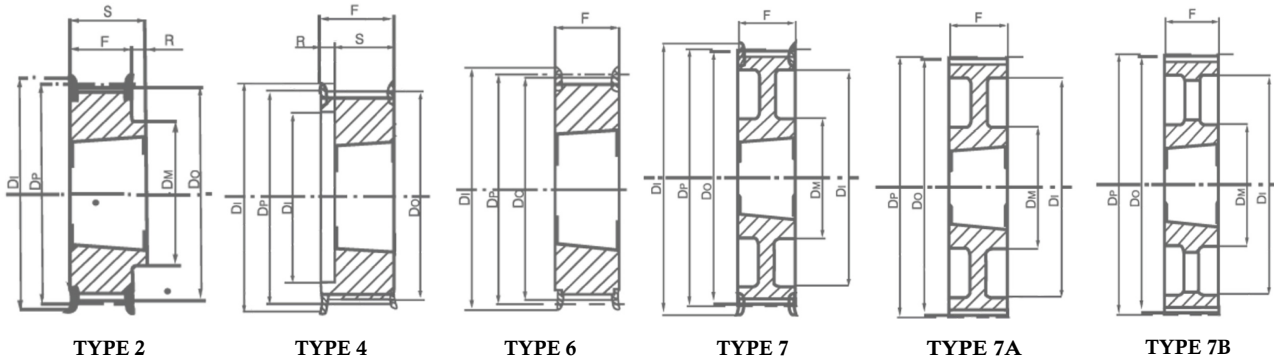


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD16H200	1108	4	C45	70	64.68	63.31	58	46	-	22
PBD18H200	1210	4	C45	79	72.77	71.40	58	52	-	25
PBD19H200	1610	4	C45	82.5	76.81	75.44	58	56	-	25
PBD20H200	1610	4	C45	87	80.85	79.48	58	56	-	25
PBD21H200	1610	4	C45	91	84.89	83.52	58	67	-	25
PBD22H200	1610	4	C45	94	88.94	87.57	58	67	-	25
PBD23H200	1610	4	C45	97	92.98	91.61	58	71	-	25
PBD24H200	1610	4	C45	102	97.02	95.65	58	71	-	25
PBD25H200	1610	4	C45	106	101.06	99.69	58	78	-	25
PBD26H200	1610	4	C45	112	105.11	103.74	58	78	-	25
PBD27H200	1610	4	C45	115	109.15	107.78	58	86	-	25
PBD28H200	1610	4	C45	120	113.19	111.92	58	86	-	25
PBD30H200	1610	4	C45	128	121.28	119.91	58	95	-	25
PBD32H200	2012	4	C45	135	129.36	127.99	58	106	-	32
PBD35H200	2012	10	C45	150	141.49	140.12	58	120	102	32
PBD36H200	2012	10	C45	150	145.53	144.16	58	120	102	32
PBD40H200	2012	10	C45	168	161.70	160.33	58	136	110	32
PBD44H200	2012	10	C45	184	177.87	176.50	58	162	110	32
PBD48H200	2517	10	C45	200	194.04	192.67	58	168	120	45
PBD50H200	2517	8A	HT250	-	202.13	200.76	60	172	120	45
PBD52H200	2517	8A	HT250	-	210.21	208.84	60	185	120	45
PBD60H200	2517	8B	HT250	-	242.55	241.18	60	217	120	45
PBD70H200	2517	8B	HT250	-	282.98	281.61	60	264	120	45
PBD72H200	2517	8B	HT250	-	291.06	289.69	60	264	120	45
PBD82H200	2517	8B	HT250	-	331.49	330.12	60	312	120	45
PBD84H200	2517	8B	HT250	-	339.57	338.20	60	312	120	45
PBD94H200	2517	8B	HT250	-	380.00	378.63	60	357	120	45
PBD96H200	2517	8B	HT250	-	388.08	386.71	60	357	120	45
PBD106H200	2517	8B	HT250	-	428.51	427.14	60	402	120	45
PBD116H200	2517	8B	HT250	-	468.93	467.56	60	442	120	45
PBD120H200	2517	8B	HT250	-	485.10	483.73	60	457	120	45

All dimensions in millimeters unless otherwise stated.

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H - 1/2" (12.7 mm) pitch H300 - 3" (76 mm) Wide Belts

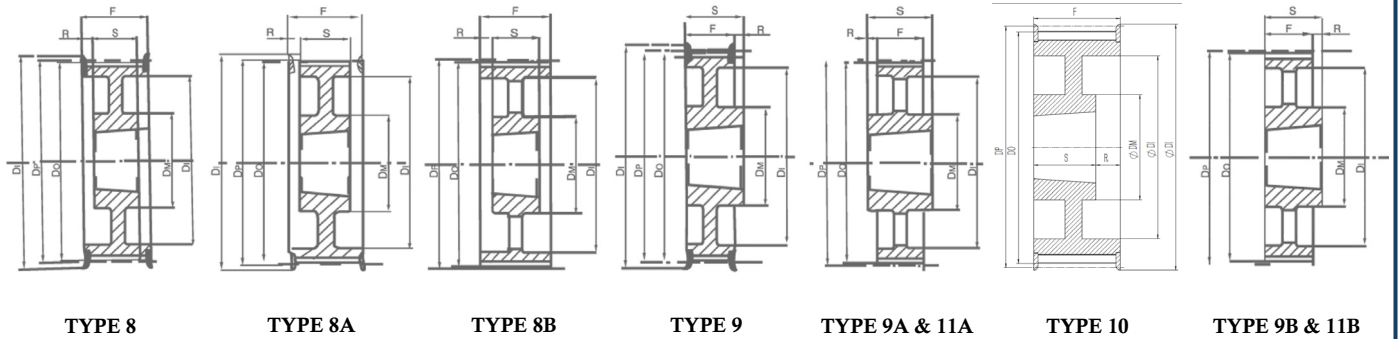


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
PBD19H300	1215	5	C45	82.5	76.81	75.44	84	56	-	38
PBD20H300	1615	5	C45	87	80.85	79.48	84	62	-	38
PBD21H300	1615	5	C45	91	84.89	83.52	84	62	-	38
PBD22H300	1615	5	C45	94	88.94	87.57	84	62	-	38
PBD23H300	1615	5	C45	97	92.98	91.61	84	71	-	38
PBD24H300	1615	5	C45	102	97.02	95.65	84	71	-	38
PBD25H300	1615	5	C45	106	101.06	99.69	84	79	-	38
PBD26H300	1615	5	C45	112	105.11	103.74	84	79	-	38
PBD27H300	2012	5	C45	115	109.15	107.78	84	86	-	32
PBD28H300	2012	5	C45	120	113.19	111.92	84	86	-	32
PBD30H300	2012	5	C45	128	121.28	119.91	84	95	-	32
PBD32H300	2517	5	C45	135	129.36	127.99	84	110	-	45
PBD33H300	2517	5	C45	142	133.40	132.03	84	112	-	45
PBD34H300	2517	5	C45	142	137.45	136.08	84	112	-	45
PBD36H300	2517	5	C45	150	145.53	144.16	84	120	-	45
PBD40H300	2517	8	C45	168	161.70	160.33	84	136	120	45
PBD44H300	2517	8	C45	184	177.87	176.50	86	162	120	45
PBD48H300	2517	8	C45	200	194.04	192.67	86	168	120	45
PBD60H300	2517	8B	HT250	-	242.55	241.18	86	223	120	45
PBD72H300	2517	8B	HT250	-	291.06	289.69	86	264	120	45
PBD84H300	2517	8B	HT250	-	339.57	338.20	86	312	120	45
PBD94H300	3030	8B	HT250	-	380.00	378.63	86	357	146	76
PBD96H300	3030	8B	HT250	-	388.08	386.71	86	357	146	76
PBD106H300	3030	8B	HT250	-	428.51	427.14	86	402	146	76
PBD116H300	3030	8B	HT250	-	468.93	467.56	86	442	146	76
PBD118H300	3030	8B	HT250	-	477.02	475.65	86	457	146	76
PBD120H300	3030	8B	HT250	-	485.10	483.73	86	457	146	76

All dimensions in millimeters unless otherwise stated.

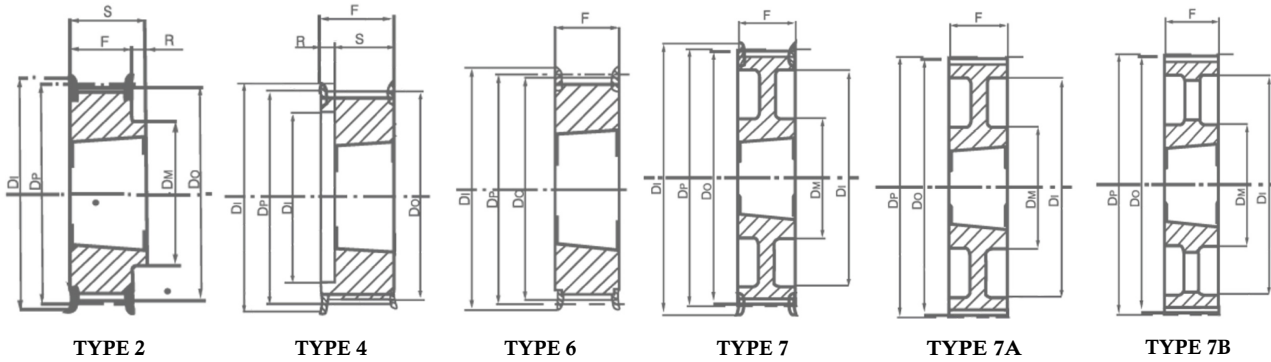
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

XH - 7/8" (22.2 mm) pitch XH200 - 2" (51 mm) Wide Belts



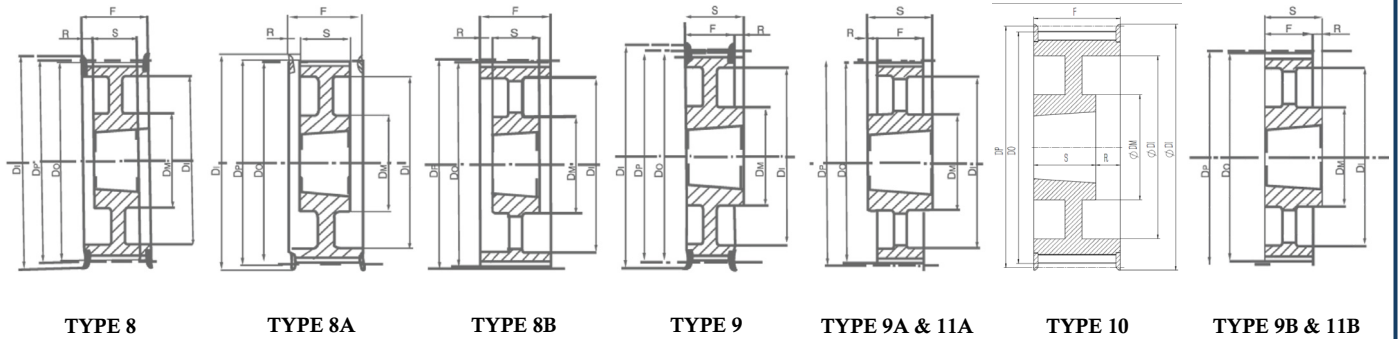
DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD18XH200	2517	4	HT250	134	127.34	124.55	64	95	-	45
PBD20XH200	2517	4	HT250	150	141.49	138.70	64	101	-	45
PBD21XH200	2517	4	HT250	158	148.56	145.77	64	115	-	45
PBD22XH200	2517	4	HT250	166	155.64	152.85	64	115	-	45
PBD24XH200	2517	4	HT250	177	169.79	167.00	64	129	-	45
PBD26XH200	2517	4	HT250	191	183.94	181.15	64	143	-	45
PBD28XH200	2517	8	HT250	209	198.08	195.29	64	157	120	45
PBD30XH200	2517	8	HT250	216	212.23	209.44	64	180	120	45
PBD32XH200	2517	8	HT250	232	226.38	223.59	64	195	120	45
PBD38XH200	2517	8	HT250	274	268.83	266.03	64	234	120	45
PBD40XH200	3020	8	HT250	288	282.98	280.19	64	242	146	51
PBD46XH300	3020	8B	HT250	-	325.42	322.63	64	285	146	51
PBD48XH300	3020	8B	HT250	-	339.57	336.78	64	299	146	51
PBD58XH300	3020	8B	HT250	-	410.32	407.52	64	370	146	51
PBD60XH200	3535	11B	HT250	-	424.47	421.68	64	384	178	89
PBD70XH200	3535	11B	HT250	-	495.21	492.42	64	455	178	89
PBD72XH200	3535	11B	HT250	-	509.36	506.57	64	469	178	89
PBD78XH200	3535	11B	HT250	-	551.81	549.01	64	511	178	89
PBD80XH200	3535	11B	HT250	-	565.96	563.16	64	525	178	89
PBD82XH200	3535	11B	HT250	-	580.10	577.31	64	539	178	89
PBD84XH200	3535	11B	HT250	-	594.25	591.46	64	554	178	89

XH - 7/8" (22.2 mm) pitch XH300 - 3" (76 mm) Wide Belts



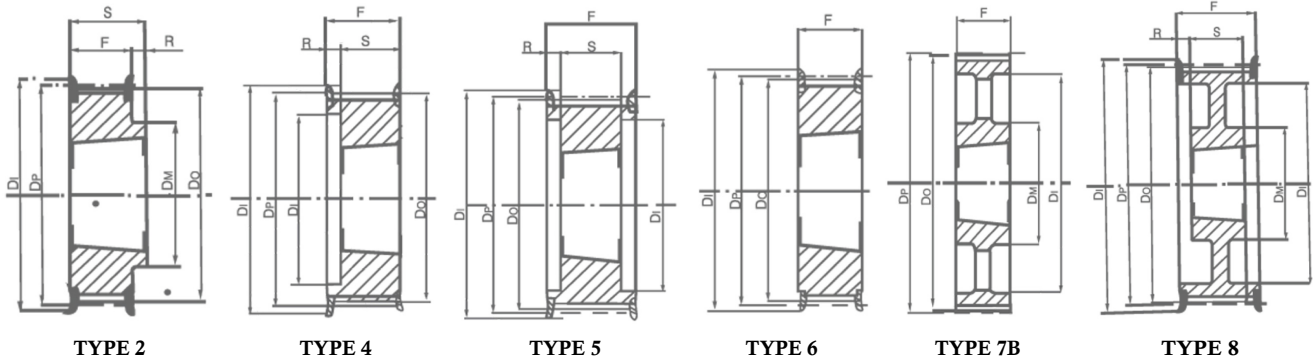
DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
PBD18XH300	2517	4	HT250	134	127.34	124.55	90	95	-	45
PBD20XH300	2517	4	HT250	150	141.49	138.70	90	101	-	45
PBD22XH300	2517	4	HT250	166	155.64	152.85	90	115	-	45
PBD24XH300	2517	4	HT250	177	169.79	167.00	90	129	-	45
PBD26XH300	2517	4	HT250	191	183.94	181.15	90	143	-	45
PBD28XH300	3020	10	HT250	209	198.08	195.29	90	157	146	51
PBD30XH300	3020	10	HT250	216	212.23	209.44	90	172	146	51
PBD32XH300	3020	10	HT250	232	226.38	223.59	90	186	146	51
PBD34XH300	3020	10	HT250	261	240.53	237.74	90	200	146	51
PBD38XH300	3020	10	HT250	274	268.83	266.03	90	228	146	51
PBD40XH300	3020	8	HT250	288	282.98	280.19	90	245	146	51
PBD46XH300	3020	8A	HT250	-	325.42	322.63	90	285	146	51
PBD48XH300	3020	8A	HT250	-	339.57	336.78	90	299	146	51
PBD58XH300	3535	8A	HT250	-	410.32	407.52	90	370	178	89
PBD60XH300	3535	8A	HT250	-	424.47	421.68	90	384	178	89
PBD70XH300	3535	8B	HT250	-	495.21	492.42	90	455	178	89
PBD72XH300	3535	8B	HT250	-	509.36	506.57	90	469	178	89
PBD78XH300	3535	8B	HT250	-	551.81	549.01	90	511	178	89
PBD80XH300	3535	8B	HT250	-	565.96	563.16	90	525	178	89
PBD82XH300	3535	8B	HT250	-	580.10	577.31	90	539	178	89
PBD84XH300	4040	11B	HT250	-	594.25	591.46	90	554	215	102

XH - 7/8" (22.2 mm) pitch XH400 - 4" (102 mm) Wide Belts



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	DI	Dp	Do	F	Di	Dm	S
PBD18XH400	2517	4	HT250	134	127.34	124.55	119	95	-	45
PBD20XH400	2517	4	HT250	150	141.49	138.70	119	101	-	45
PBD21XH400	2517	4	HT250	158	148.56	145.77	119	115	-	45
PBD22XH400	2517	4	HT250	166	155.64	152.85	119	115	-	45
PBD24XH400	3020	4	HT250	177	169.79	167.00	119	129	-	51
PBD26XH400	3020	4	HT250	191	183.94	181.15	119	143	-	51
PBD28XH400	3020	4	HT250	209	198.08	195.29	119	157	-	51
PBD30XH400	3020	10	HT250	216	212.23	209.44	119	172	146	51
PBD32XH400	3020	10	HT250	232	226.38	223.59	119	186	146	51
PBD34XH400	3020	10	HT250	261	240.53	237.74	119	200	146	51
PBD38XH400	3020	10	HT250	274	268.83	266.03	119	228	146	51
PBD40XH400	3535	8	HT250	288	282.98	280.19	119	242	178	89
PBD46XH400	3535	8A	HT250	-	325.42	322.63	119	285	178	89
PBD48XH400	3535	8A	HT250	-	339.57	336.78	119	299	178	89
PBD58XH400	3535	8B	HT250	-	410.32	407.52	119	370	178	89
PBD60XH400	4040	8B	HT250	-	424.47	421.68	119	384	215	102
PBD70XH400	4040	8B	HT250	-	495.21	492.42	119	455	215	102
PBD72XH400	4040	8B	HT250	-	509.36	506.57	119	469	215	102
PBD78XH400	4040	8B	HT250	-	551.81	549.01	119	511	215	102
PBD80XH400	4040	8B	HT250	-	565.96	563.16	119	525	215	102
PBD82XH400	4040	8B	HT250	-	580.10	577.31	119	539	215	102
PBD84XH400	4040	8B	HT250	-	594.25	591.46	119	554	215	102

5mm Pitch 5M-15 (15mm Wide Belt) (For use with HTD Profile belts only)

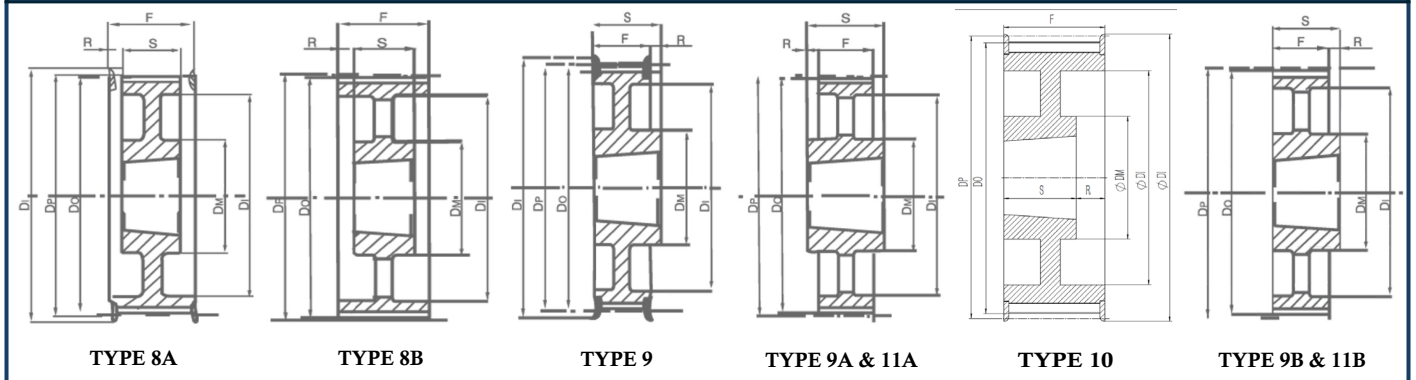


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	D1	Dp	Do	F	Di	Dm	S
HDB 34-5M 15	1008	6	C45	57	54.11	52.97	22	-	-	22
HDB 36-5M 15	1108	6	C45	60	57.30	56.16	22	-	-	22
HDB 38-5M 15	1108	6	C45	66.5	60.48	59.34	22	-	-	22
HDB 40-5M 15	1108	6	C45	71	63.66	62.52	22	-	-	22
HDB 44-5M 15	1108	6	C45	75	70.03	68.89	22	-	-	22
HDB 48-5M 15	1210	2	C45	83	76.39	75.25	20.5	-	62	25
HDB 56-5M 15	1210	2	C45	93	89.13	87.99	20.5	-	70	25
HDB 64-5M 15	1210	2	C45	106	101.86	100.72	20.5	-	80	25
HDB 72-5M 15	1610	2	C45	119	114.59	113.45	20.5	-	92	25
HDB 80-5M 15	1610	2	C45	135	127.32	126.18	20.5	-	92	25
HDB 90-5M 15	1610	11A	C45	-	143.24	142.10	20.5	122	92	25
HDB 112-5M 15	1610	11A	C45	-	178.25	177.11	20.5	157	110	25
HDB 136-5M 15	2012	11A	HT250	-	216.45	215.31	20.5	195	110	32
HDB 150-5M 15	2012	11A	HT250	-	238.73	237.59	20.5	217	110	32

Synchronous Pulleys

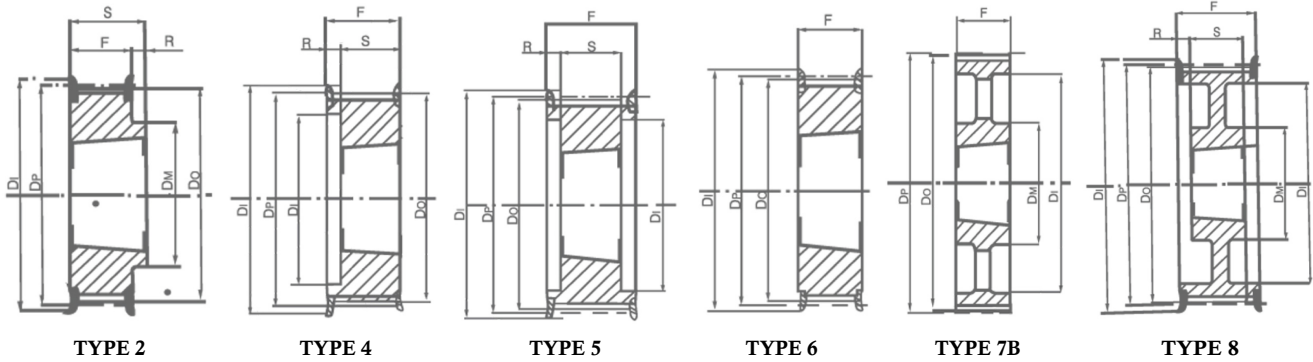
HTD Profile- Taper Bore

8mm Pitch 8M-20 (20mm Wide Belt)



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 22-8M 20	1008	4	C45	60	56.02	54.65	28	38	-	22
HDB 24-8M 20	1108	4	C45	66	61.12	59.74	28	42	-	22
HDB 26-8M 20	1108	4	C45	70	66.21	64.84	28	45	-	22
HDB 28-8M 20	1108	4	C45	75	71.30	70.08	28	52	-	22
HDB 30-8M 20	1108	4	C45	83	76.39	75.13	28	56	-	22
HDB 32-8M 20	1610	4	C45	87	81.49	80.16	28	65	-	25
HDB 34-8M 20	1610	4	C45	91	86.58	85.21	28	66	-	25
HDB 36-8M 20	1610	4	C45	97	91.67	90.30	28	68	-	25
HDB 38-8M 20	1610	4	C45	102	96.77	95.39	28	76	-	25
HDB 40-8M 20	1610	4	C45	106	101.86	100.49	28	80	-	25
HDB 44-8M 20	2012	2	C45	120	112.05	110.67	28	-	93	32
HDB 48-8M 20	2012	2	C45	128	122.23	120.86	28	-	100	32
HDB 56-8M 20	2012	2	C45	150	142.60	141.23	28	-	110	32
HDB 64-8M 20	2012	9	C45	168	162.97	161.60	28	140	110	32
HDB 72-8M 20	2012	9	C45	192	183.35	181.97	28	158	110	32
HDB 80-8M 20	2012	9A	HT250	-	203.72	202.35	28	178	110	32
HDB 90-8M 20	2012	9B	HT250	-	229.18	227.81	28	204	110	32

8mm Pitch 8M-30 (30mm Wide Belt)

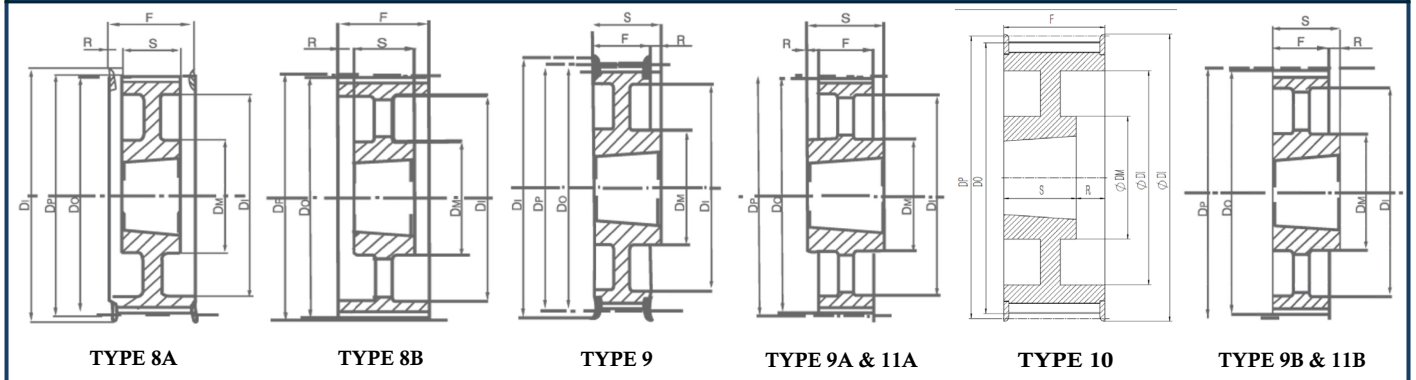


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 22-8M 30	1008	4	C45	60	56.02	54.65	38	38	-	22
HDB 24-8M 30	1108	4	C45	66	61.12	59.74	38	42	-	22
HDB 26-8M 30	1108	4	C45	70	66.21	64.84	38	45	-	22
HDB 28-8M 30	1108	4	C45	75	71.30	70.08	38	52	-	22
HDB 30-8M 30	1615	6	C45	83	76.39	75.13	38	-	-	38
HDB 32-8M 30	1615	6	C45	87	81.49	80.16	38	-	-	38
HDB 34-8M 30	1615	6	C45	91	86.58	85.21	38	-	-	38
HDB 36-8M 30	1615	6	C45	97	91.67	90.30	38	-	-	38
HDB 38-8M 30	1615	6	C45	102	96.77	95.39	38	-	-	38
HDB 40-8M 30	1615	6	C45	106	101.86	100.49	38	-	-	38
HDB 44-8M 30	2012	5	C45	120	112.05	110.67	38	90	-	32
HDB 48-8M 30	2012	5	C45	128	122.23	120.86	38	100	-	32
HDB 56-8M 30	2012	5	C45	150	142.60	141.23	38	118	-	32
HDB 64-8M 30	2517	2	C45	168	162.97	161.60	38	140	125	45
HDB 72-8M 30	2517	9	C45	192	183.35	181.97	38	158	125	45
HDB 80-8M 30	2517	9A	HT250	-	203.72	202.35	38	178	125	45
HDB 90-8M 30	2517	9B	HT250	-	229.18	227.81	38	204	120	45
HDB 112-8M 30	2517	9B	HT250	-	285.21	283.83	38	260	125	45
HDB 144-8M 30	2517	9B	HT250	-	366.69	365.32	38	341	125	45

Synchronous Pulleys

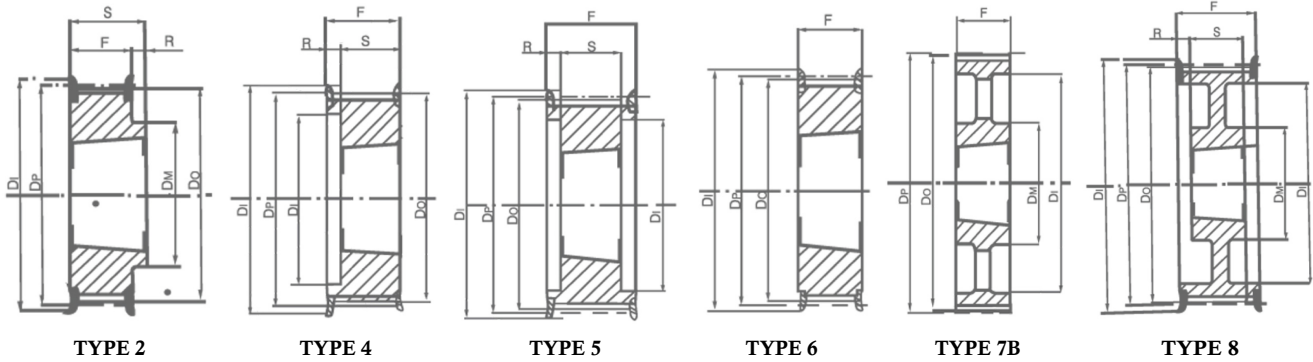
HTD Profile- Taper Bore

8mm Pitch 8M-50 (50mm Wide Belt)



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 28-8M 50	1108	5	C45	75	71.30	70.08	60	52	-	22
HDB 30-8M 50	1615	4	C45	83	76.39	75.13	60	58	-	38
HDB 32-8M 50	1615	4	C45	87	81.49	80.16	60	60	-	38
HDB 34-8M 50	1615	4	C45	91	86.58	85.21	60	66	-	38
HDB 36-8M 50	1615	4	C45	97	91.67	90.30	60	68	-	38
HDB 38-8M 50	1615	4	C45	102	96.77	95.39	60	75	-	38
HDB 40-8M 50	2012	5	C45	106	101.86	100.49	60	80	-	32
HDB 44-8M 50	2012	5	C45	120	112.05	110.67	60	90	-	32
HDB 48-8M 50	2012	5	C45	128	122.23	120.86	60	100	-	32
HDB 56-8M 50	2517	5	C45	150	142.60	141.23	60	120	-	45
HDB 64-8M 50	2517	8	C45	168	162.97	161.60	60	138	120	45
HDB 72-8M 50	2517	8	C45	192	183.35	181.97	60	158	125	45
HDB 80-8M 50	3020	8A	HT250	-	203.72	202.35	60	178	160	51
HDB 90-8M 50	3020	8A	HT250	-	229.18	227.81	60	204	170	51
HDB 112-8M 50	3020	8B	HT250	-	285.21	283.83	60	260	170	51
HDB 144-8M 50	3020	8B	HT250	-	366.69	365.32	60	341	170	51
HDB 168-8M 50	3020	8B	HT250	-	427.81	426.42	60	402	198	51
HDB 192-8M 50	3020	8B	HT250	-	488.92	487.54	60	462	198	51

8mm Pitch 8M-85 (85mm Wide Belt)

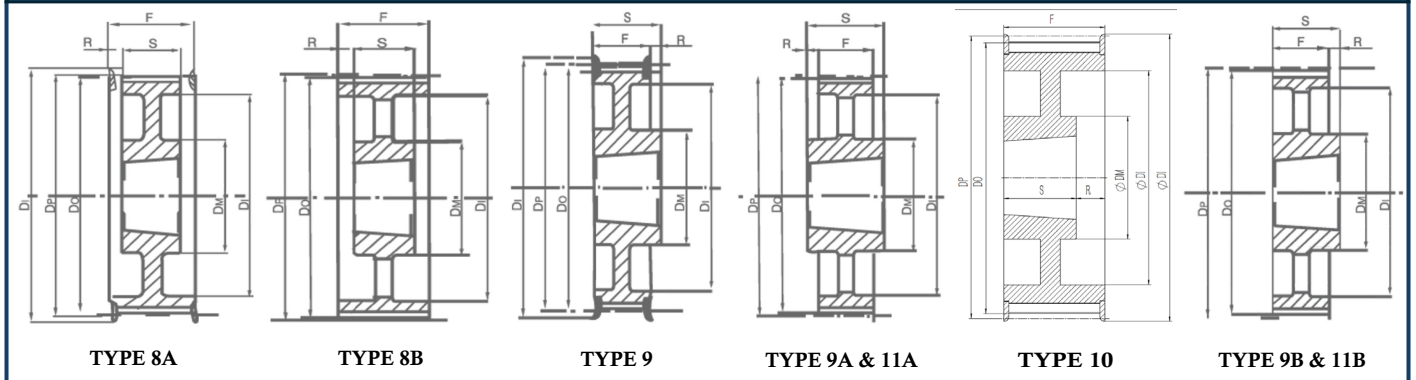


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 34-8M 85	1615	5	C45	91	86.58	85.21	95	66	-	38
HDB 36-8M 85	1615	5	C45	97	91.67	90.30	95	68	-	38
HDB 38-8M 85	1615	5	C45	102	96.77	95.39	95	75	-	38
HDB 40-8M 85	2012	5	C45	106	101.86	100.49	95	80	-	32
HDB 44-8M 85	2012	5	C45	120	112.05	110.67	95	90	-	32
HDB 48-8M 85	2517	5	C45	128	122.23	120.86	95	100	-	45
HDB 56-8M 85	2517	5	C45	150	142.60	141.23	95	120	-	45
HDB 64-8M 85	2517	5	C45	168	162.97	161.60	95	138	-	45
HDB 72-8M 85	3020	5	C45	192	183.35	181.97	95	58	-	51
HDB 80-8M 85	3020	8A	HT250	-	203.72	202.35	95	178	160	51
HDB 90-8M 85	3020	8A	HT250	-	229.18	227.81	95	204	170	51
HDB 112-8M 85	3020	8B	HT250	-	285.21	283.83	95	260	170	51
HDB 144-8M 85	3030	8B	HT250	-	366.69	365.32	95	341	198	76
HDB 168-8M 85	3030	8B	HT250	-	427.81	426.42	95	402	198	76
HDB 192-8M 85	3030	8B	HT250	-	488.92	487.54	95	462	198	76

Synchronous Pulleys

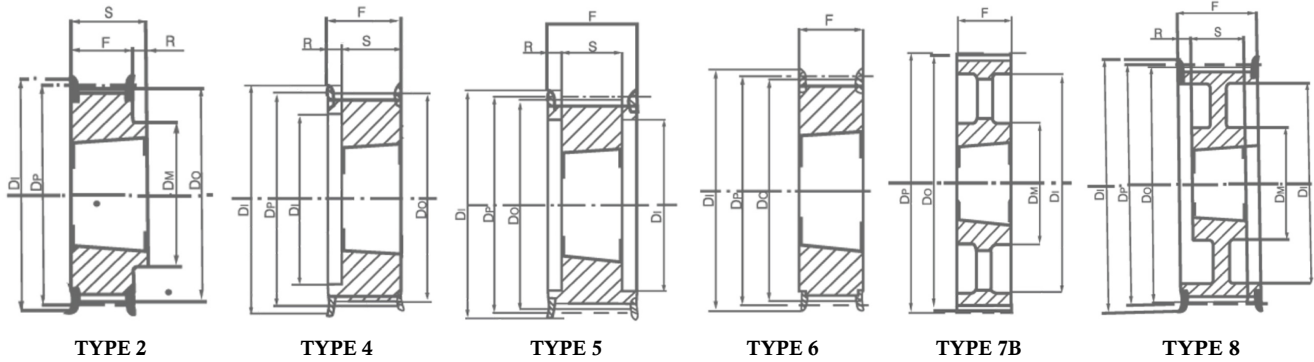
HTD Profile- Taper Bore

14mm Pitch 14M-40 (40mm Wide Belt)



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 28-14M 40	2012	5	C45	128	124.78	122.12	54	98	-	32
HDB 29-14M 40	2012	5	C45	138	129.23	126.57	54	100	-	32
HDB 30-14M 40	2012	5	C45	138	133.69	130.99	54	100	-	32
HDB 32-14M 40	2012	5	C45	154	142.60	139.88	54	104	-	32
HDB 34-14M 40	2517	5	C45	160	151.52	148.79	54	110	-	45
HDB 36-14M 40	2517	5	C45	168	160.43	157.68	54	120	-	45
HDB 38-14M 40	2517	5	C45	183	169.34	166.60	54	130	-	45
HDB 40-14M 40	2517	5	C45	188	178.25	175.49	54	138	-	45
HDB 44-14M 40	3020	5	C45	211	196.08	193.28	54	154	-	51
HDB 48-14M 40	3020	5	C45	226	213.90	211.11	54	172	-	51
HDB 56-14M 40	3020	8	C45	256	249.56	246.76	54	243	170	51
HDB 64-14M 40	3020	8	HT250	296	285.21	282.41	54	243	170	51
HDB 72-14M 40	3020	8A	HT250	-	320.86	318.06	54	279	170	51
HDB 80-14M 40	3020	8B	HT250	-	356.51	353.71	54	314	170	51
HDB 90-14M 40	3020	8B	HT250	-	401.07	398.28	54	359	170	51
HDB 112-14M 40	3020	8B	HT250	-	499.11	496.32	54	457	170	51
HDB 144-14M 40	3020	8B	HT250	-	641.71	638.92	54	600	170	51
HDB 168-14M 40	3020	8B	HT250	-	748.67	745.87	54	705	160	51
HDB 192-14M 40	3535	9B	HT250	-	855.62	852.82	54	812	178	89
HDB 216-14M 40	3535	9B	HT250	-	962.57	959.77	54	920	178	89
HDB 264-14M 40	3535	9B	HT250	-	1176.47	1173.67	54	1133	178	89

14mm Pitch 14M-55 (55mm Wide Belt)

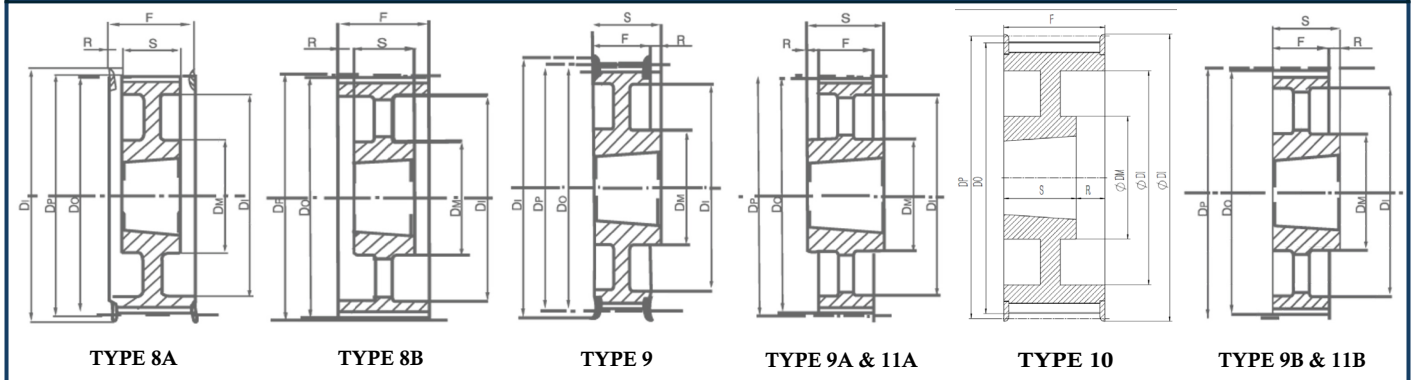


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 28-14M 55	2012	5	C45	128	124.78	122.12	70	98	-	32
HDB 29-14M 55	2012	5	C45	138	129.23	126.57	70	100	-	32
HDB 30-14M 55	2517	5	C45	138	133.69	130.99	70	100	-	45
HDB 32-14M 55	2517	5	C45	154	142.60	139.88	70	104	-	45
HDB 34-14M 55	2517	5	C45	160	151.52	148.79	70	110	-	45
HDB 36-14M 55	2517	5	C45	168	160.43	157.68	70	120	-	45
HDB 38-14M 55	2517	5	C45	183	169.34	166.60	70	130	-	45
HDB 40-14M 55	2517	5	C45	188	178.25	175.49	70	138	-	45
HDB 44-14M 55	3020	5	C45	211	196.08	193.28	70	154	-	51
HDB 48-14M 55	3020	5	C45	226	213.90	211.11	70	172	-	51
HDB 56-14M 55	3020	8	C45	256	249.56	246.76	70	243	170	51
HDB 64-14M 55	3020	8	HT250	296	285.21	282.41	70	243	170	51
HDB 72-14M 55	3020	8A	HT250	-	320.86	318.06	70	279	170	51
HDB 80-14M 55	3020	8B	HT250	-	356.51	353.71	70	314	170	51
HDB 90-14M 55	3020	8B	HT250	-	401.07	398.28	70	359	170	51
HDB 112-14M 55	3020	8B	HT250	-	499.11	496.32	70	457	170	51
HDB 144-14M 55	3020	8B	HT250	-	641.71	638.92	70	600	170	51
HDB 168-14M 55	3020	8B	HT250	-	748.67	745.87	70	705	160	51
HDB 192-14M 55	3535	9B	HT250	-	855.62	852.82	70	812	178	89
HDB 216-14M 55	3535	9B	HT250	-	962.57	959.77	70	920	178	89
HDB 264-14M 55	3535	9B	HT250	-	1176.47	1173.67	70	1133	178	89

Synchronous Pulleys

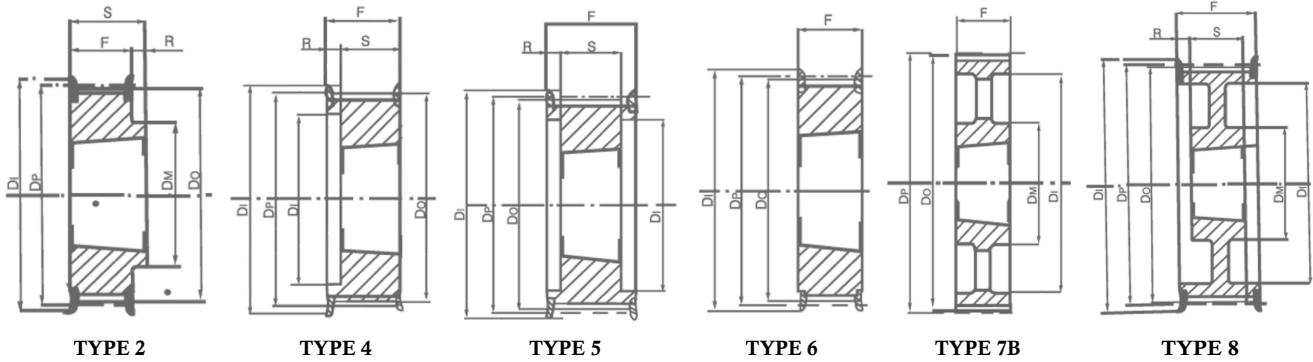
HTD Profile- Taper Bore

14mm Pitch 14M-85 (85mm Wide Belt)



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 28-14M 85	2517	5	C45	128	124.78	122.12	102	98	-	45
HDB 29-14M 85	2517	5	C45	138	129.23	126.57	102	100	-	45
HDB 30-14M 85	2517	5	C45	138	133.69	130.99	102	100	-	45
HDB 32-14M 85	2517	5	C45	154	142.60	139.88	102	104	-	45
HDB 34-14M 85	2517	5	C45	160	151.52	148.79	102	110	-	45
HDB 36-14M 85	3020	5	C45	168	160.43	157.68	102	120	-	51
HDB 38-14M 85	3020	5	C45	183	169.34	166.60	102	130	-	51
HDB 40-14M 85	3020	5	C45	188	178.25	175.49	102	138	-	51
HDB 44-14M 85	3030	5	C45	211	196.08	193.28	102	154	-	76
HDB 48-14M 85	3030	5	C45	226	213.90	211.11	102	172	-	76
HDB 56-14M 85	3535	5	C45	256	249.56	246.76	102	207	-	89
HDB 64-14M 85	3535	8	HT250	296	285.21	282.41	102	243	178	89
HDB 72-14M 85	3535	8A	HT250	-	320.86	318.06	102	279	178	89
HDB 80-14M 85	3535	8B	HT250	-	356.51	353.71	102	314	178	89
HDB 90-14M 85	3535	8B	HT250	-	401.07	398.28	102	359	178	89
HDB 112-14M 85	3535	8B	HT250	-	499.11	496.32	102	457	178	89
HDB 144-14M 85	3535	8B	HT250	-	641.71	638.92	102	600	178	89
HDB 168-14M 85	3535	8B	HT250	-	748.67	745.87	102	705	178	89
HDB 192-14M 85	4040	7B	HT250	-	855.62	852.82	102	812	215	102
HDB 216-14M 85	4040	7B	HT250	-	962.57	959.77	102	920	215	102
HDB 264-14M 85	4040	7B	HT250	-	1176.47	1173.67	102	1133	215	102

14mm Pitch 14M-115 (115mm Wide Belt)

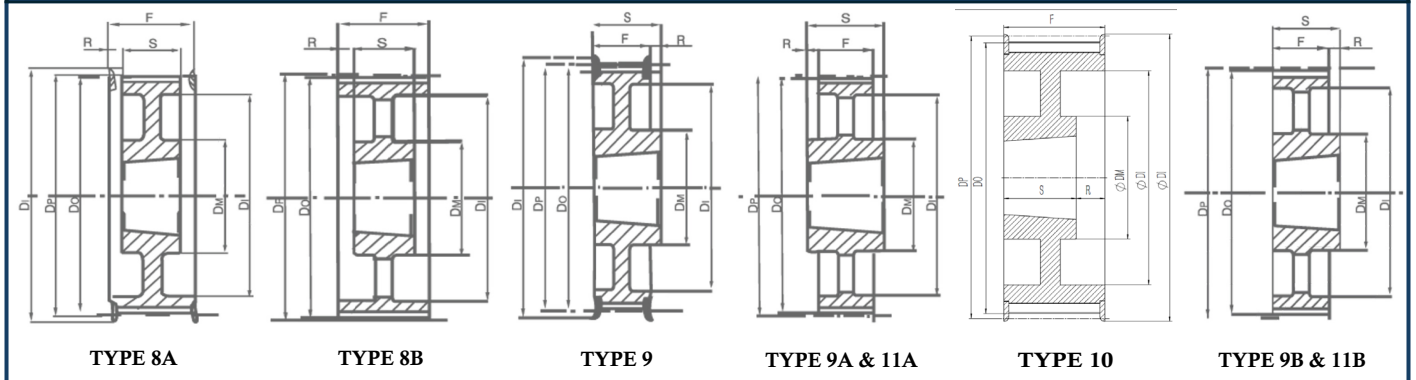


DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 28-14M 115	2517	5	C45	128	124.78	122.12	133	98	-	45
HDB 29-14M 115	2517	5	C45	138	129.23	126.57	133	100	-	45
HDB 30-14M 115	2517	5	C45	138	133.69	130.99	133	100	-	45
HDB 32-14M 115	2517	5	C45	154	142.60	139.88	133	104	-	45
HDB 34-14M 115	2517	5	C45	160	151.52	148.79	133	110	-	45
HDB 36-14M 115	3020	5	C45	168	160.43	157.68	133	120	-	51
HDB 38-14M 115	3020	5	C45	183	169.34	166.60	133	130	-	51
HDB 40-14M 115	3020	5	C45	188	178.25	175.49	133	138	-	51
HDB 44-14M 115	3030	5	C45	211	196.08	193.28	133	154	-	76
HDB 48-14M 115	3030	5	C45	226	213.90	211.11	133	172	-	76
HDB 56-14M 115	3535	5	C45	256	249.56	246.76	133	207	-	89
HDB 64-14M 115	3535	8	HT250	296	285.21	282.41	133	243	178	89
HDB 72-14M 115	3535	8A	HT250	-	320.86	318.06	133	279	178	89
HDB 80-14M 115	3535	8B	HT250	-	356.51	353.71	133	314	178	89
HDB 90-14M 115	3535	8B	HT250	-	401.07	398.28	133	359	178	89
HDB 112-14M 115	3535	8B	HT250	-	499.11	496.32	133	457	178	89
HDB 144-14M 115	4040	8B	HT250	-	641.71	638.92	133	600	215	102
HDB 168-14M 115	4040	8B	HT250	-	748.67	745.87	133	705	215	102
HDB 192-14M 115	4040	8B	HT250	-	855.62	852.82	133	812	215	102
HDB 216-14M 115	4040	8B	HT250	-	962.57	959.77	133	920	215	102
HDB 264-14M 115	5050	8B	HT250	-	1176.47	1173.67	133	1133	267	127

Synchronous Pulleys

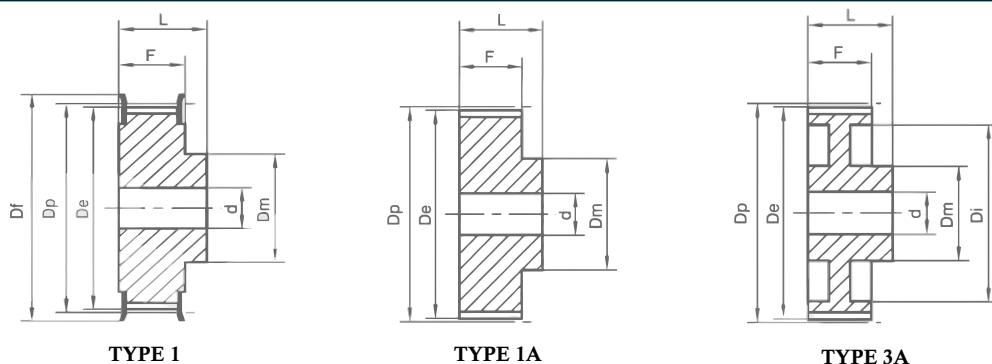
HTD Profile- Taper Bore

14mm Pitch 14M-170 (170mm Wide Belt)



DESIGNATION	BUSH SIZE	TYPE	MATERIAL	Di	Dp	Do	F	Di	Dm	S
HDB 38-14M 170	3030	5	C45	183	169.34	166.60	187	130	-	76
HDB 40-14M 170	3030	5	C45	188	178.25	175.49	187	138	-	76
HDB 44-14M 170	3535	5	C45	211	196.08	193.28	187	154	-	89
HDB 48-14M 170	3535	5	C45	226	213.90	211.11	187	172	-	89
HDB 56-14M 170	3535	5	C45	256	249.56	246.76	187	207	-	89
HDB 64-14M 170	4040	5	HT250	296	285.21	282.41	187	243	-	102
HDB 72-14M 170	4040	8A	HT250	-	320.86	318.06	187	279	230	102
HDB 80-14M 170	4040	8A	HT250	-	356.51	353.71	187	314	230	102
HDB 90-14M 170	4040	8B	HT250	-	401.07	398.28	187	359	230	102
HDB 112-14M 170	5050	8B	HT250	-	499.11	496.32	187	457	265	127
HDB 144-14M 170	5050	8B	HT250	-	641.71	638.92	187	600	265	127
HDB 168-14M 170	5050	8B	HT250	-	748.67	745.87	187	705	267	127
HDB 192-14M 170	5050	8B	HT250	-	855.62	852.82	187	812	267	127
HDB 216-14M 170	5050	8B	HT250	-	962.57	959.77	187	920	267	127
HDB 264-14M 170	5050	8B	HT250	-	1176.47	1173.67	187	1133	267	127

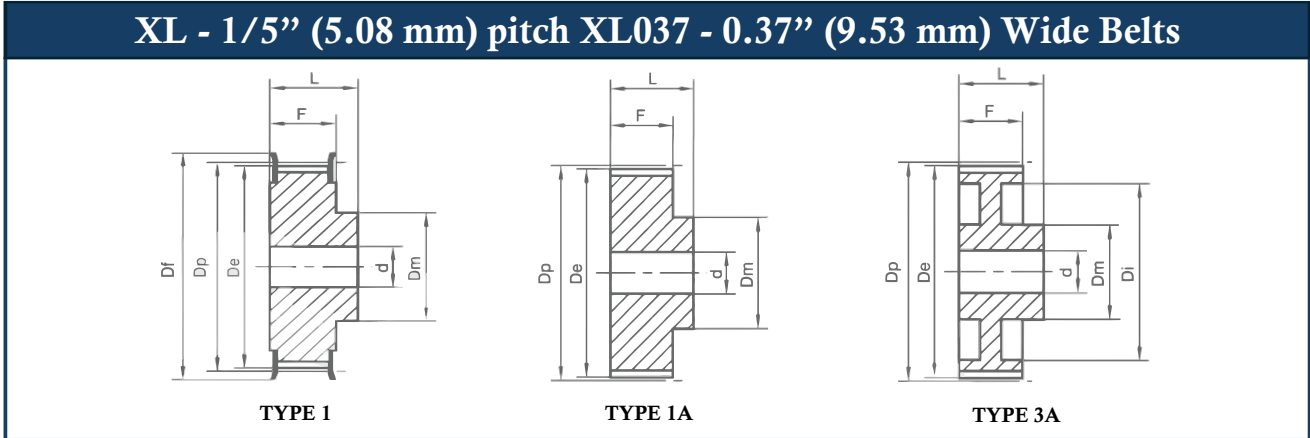
XL - 1/5" (5.08 mm) pitch XL037 - 0.37" (9.53 mm) Wide Belts



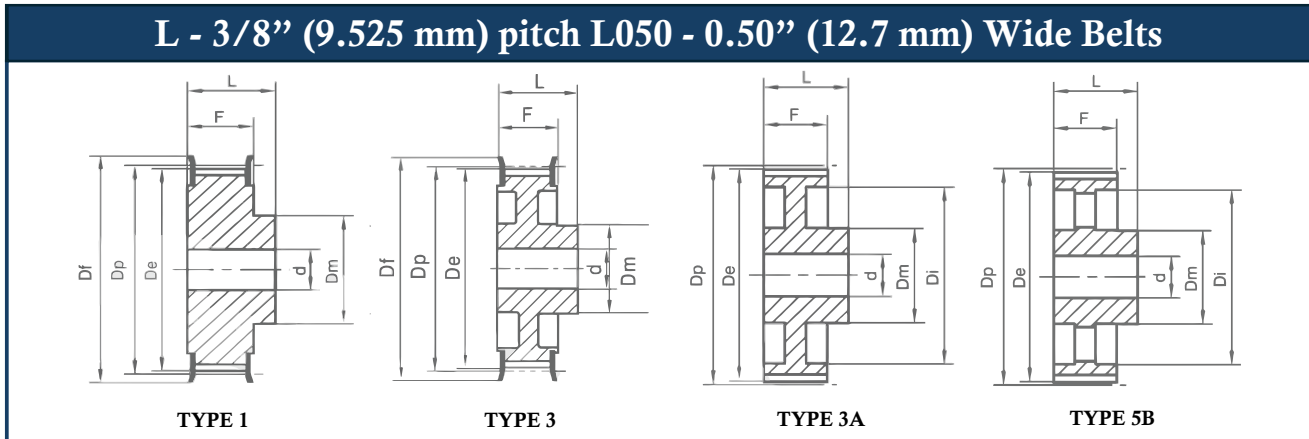
DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD10XL037	-	1	AL	23.00	16.17	15.66	14.3	-	10	25
PD11XL037	-	1	AL	23.00	17.79	17.28	14.3	-	10	25
PD12XL037	-	1	AL	25.00	19.40	18.89	14.3	-	12	25
PD13XL037	-	1	AL	25.00	21.02	20.51	14.3	-	12	25
PD14XL037	-	1	AL	28.00	22.64	22.13	14.3	-	15	25
PD15XL037	-	1	AL	28.00	24.26	23.74	14.3	-	16	25
PD16XL037	-	1	AL	32.00	25.87	25.36	14.3	-	17	25
PD17XL037	-	1	AL	32.00	27.49	26.98	14.3	-	20	25
PD18XL037	-	1	AL	35.00	29.11	28.60	14.3	-	20	25
PD19XL037	-	1	AL	35.00	30.72	30.21	14.3	-	20	25
PD20XL037	-	1	AL	38.00	32.34	31.83	14.3	-	24	25
PD21XL037	-	1	AL	38.00	33.96	33.45	14.3	-	24	25
PD22XL037	-	1	AL	41.00	35.57	35.06	14.3	-	27	25
PD24XL037	-	1	AL	44.00	38.81	38.30	14.3	-	30	25
PD25XL037	-	1	AL	44.00	40.43	39.93	14.3	-	30	25
PD26XL037	-	1	AL	48.00	42.04	41.53	14.3	-	30	25
PD27XL037	-	1	AL	48.00	43.66	43.15	14.3	-	32	25
PD28XL037	-	1	AL	51.00	45.28	44.77	14.3	-	34	25
PD29XL037	-	1	AL	51.00	46.89	46.38	14.3	-	34	25
PD30XL037	-	1	AL	54.00	48.51	48.00	14.3	-	38	25
PD32XL037	-	1A	AL	-	51.74	51.23	14.3	-	45	25
PD34XL037	-	1A	AL	-	54.98	54.47	14.3	-	45	25
PD35XL037	-	1A	AL	-	56.60	56.09	14.3	-	45	25
PD36XL037	-	1A	AL	-	58.21	57.70	14.3	-	52	25

Synchronous Pulleys

Timing - Pilot Bore



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD38XL037	-	1A	AL	-	61.45	60.94	14.3	-	52	25
PD39XL037	-	1A	AL	-	63.06	62.55	14.3	-	52	25
PD40XL037	-	1A	AL	-	64.68	64.17	14.3	-	52	25
PD41XL037	-	1A	AL	-	66.30	65.79	14.3	-	52	25
PD42XL037	-	1A	AL	-	67.91	67.40	14.3	-	52	25
PD43XL037	-	1A	AL	-	69.53	69.02	14.3	-	52	25
PD44XL037	-	1A	AL	-	71.15	70.64	14.3	-	52	25
PD45XL037	-	1A	AL	-	72.77	72.26	14.3	-	52	25
PD46XL037	-	1A	AL	-	74.38	73.87	14.3	-	52	25
PD47XL037	-	1A	AL	-	76.00	75.49	14.3	-	52	25
PD48XL037	-	1A	AL	-	77.62	77.11	14.3	-	52	25
PD49XL037	-	3A	AL	-	79.23	78.72	14.3	54	52	25
PD52XL037	-	3A	AL	-	84.08	83.57	14.3	58	52	25
PD56XL037	-	3A	AL	-	90.55	90.04	14.3	65	52	25
PD57XL037	-	3A	AL	-	92.17	91.66	14.3	67	52	25
PD58XL037	-	3A	AL	-	93.79	93.28	14.3	69	52	25
PD59XL037	-	3A	AL	-	95.40	94.89	14.3	70	52	25
PD60XL037	-	3A	AL	-	97.02	96.51	14.3	71	52	25
PD68XL037	-	3A	AL	-	109.96	109.45	14.3	84	52	25
PD69XL037	-	3A	AL	-	111.57	111.06	14.3	85	52	25
PD70XL037	-	3A	AL	-	113.19	112.68	14.3	87	52	25
PD71XL037	-	3A	AL	-	114.81	114.30	14.3	89	52	25
PD72XL037	-	3A	AL	-	116.43	115.92	14.3	91	52	25

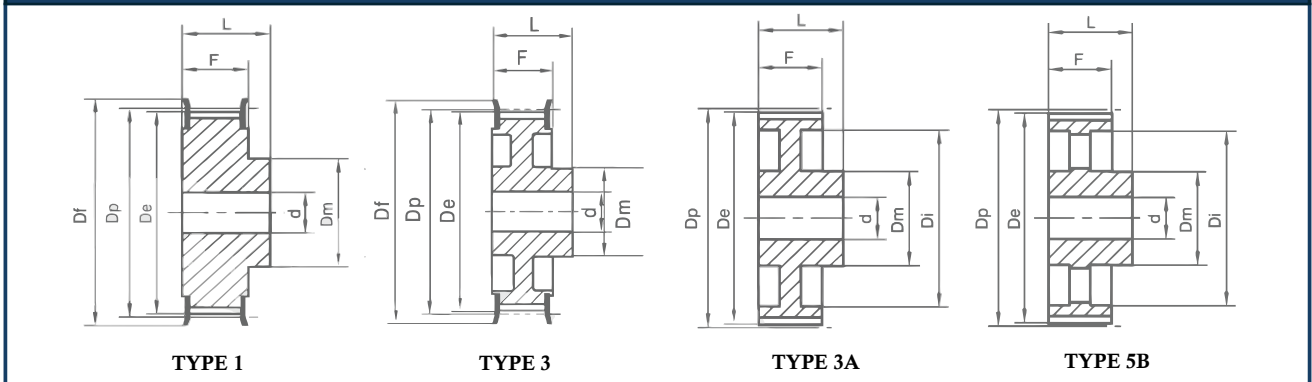


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD10L050	-	1	C45	37.00	30.32	29.56	19	-	20	30
PD11L050	-	1	C45	37.00	33.35	32.59	19	-	20	30
PD12L050	-	1	C45	43.00	36.38	35.62	19	-	27	30
PD13L050	-	1	C45	44.00	39.41	38.65	19	-	27	30
PD14L050	-	1	C45	48.00	42.45	41.69	19	-	29	30
PD15L050	-	1	C45	51.00	45.48	44.72	19	-	32	30
PD16L050	-	1	C45	54.00	48.51	47.75	19	-	37	30
PD17L050	-	1	C45	57.00	51.54	50.78	19	-	37	30
PD18L050	-	1	C45	60.00	54.57	53.81	19	-	41	30
PD19L050	-	1	C45	64.00	57.61	56.84	19	-	41	30
PD20L050	-	1	C45	66.50	60.64	59.88	19	-	47	30
PD21L050	-	1	C45	70.00	63.67	62.91	19	-	47	30
PD22L050	-	1	C45	75.00	66.70	65.94	19	-	50	30
PD23L050	-	1	C45	79.00	69.73	68.97	19	-	50	30
PD24L050	-	1	C45	79.00	72.77	72.01	19	-	55	32
PD25L050	-	1	C45	82.50	75.80	75.04	19	-	58	32
PD26L050	-	1	C45	86.00	78.83	78.07	19	-	64	32
PD27L050	-	1	C45	86.00	81.86	81.10	19	-	64	32
PD28L050	-	1	C45	91.00	84.89	84.13	19	-	70	32
PD29L050	-	1	C45	94.00	87.93	87.16	19	-	70	32
PD30L050	-	1	C45	97.00	90.96	90.20	19	-	72	34
PD32L050	-	1	C45	102.00	97.02	96.26	19	-	75	34
PD33L050	-	1	C45	106.00	100.05	99.29	19	-	80	34
PD34L050	-	1	C45	112.00	103.08	102.32	19	-	85	34

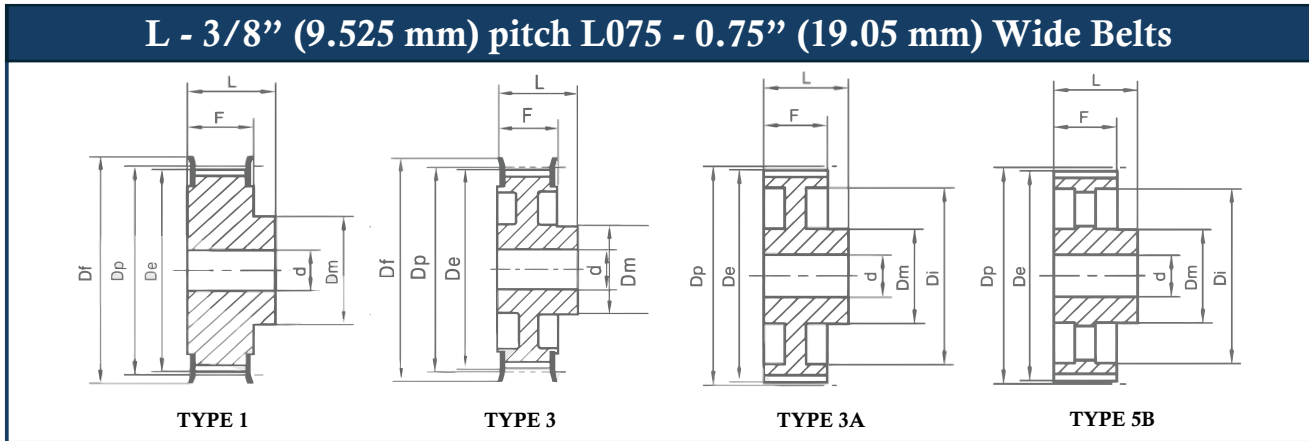
Synchronous Pulleys

Timing - Pilot Bore

L - 3/8" (9.525 mm) pitch L050 - 0.50" (12.7 mm) Wide Belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD35L050	-	1	C45	112.00	106.12	105.35	19	-	88	34
PD36L050	-	1	C45	115.00	109.15	108.39	19	-	88	34
PD40L050	11	3	C45	128.00	121.28	120.52	19	100	68	34
PD41L050	11	3	C45	128.00	124.31	123.55	19	103	68	34
PD42L050	11	3	C45	135.00	127.34	126.58	19	106	68	34
PD44L050	11	3	C45	142.00	133.40	132.64	19	112	68	34
PD45L050	11	3	C45	142.00	136.44	135.67	19	115	68	34
PD47L050	11	3	HT250	150.00	142.50	141.74	19	121	68	34
PD48L050	11	3	HT250	150.00	145.53	144.77	19	124	68	46
PD49L050	12	3A	HT250	-	148.56	147.80	19	127	68	46
PD50L050	12	3A	HT250	-	151.60	150.83	19	130	68	46
PD52L050	12	3A	HT250	-	157.66	156.90	19	136	68	46
PD56L050	12	3A	HT250	-	169.79	169.02	19	139	68	46
PD57L050	12	3A	HT250	-	172.82	172.06	19	152	68	46
PD60L050	12	3A	HT250	-	181.91	181.15	19	160	68	46
PD65L050	12	3A	HT250	-	197.07	196.31	19	176	68	46
PD66L050	12	3A	HT250	-	200.11	199.34	19	179	68	46
PD72L050	12	3A	HT250	-	218.30	217.54	19	197	75	46
PD84L050	12	3A	HT250	-	254.68	253.92	19	233	75	46
PD90L050	12	3A	HT250	-	272.87	272.11	19	252	75	46
PD96L050	12	3A	HT250	-	291.06	290.30	19	270	80	46
PD120L050	18	5B	HT250	-	363.83	363.07	19	342	85	46

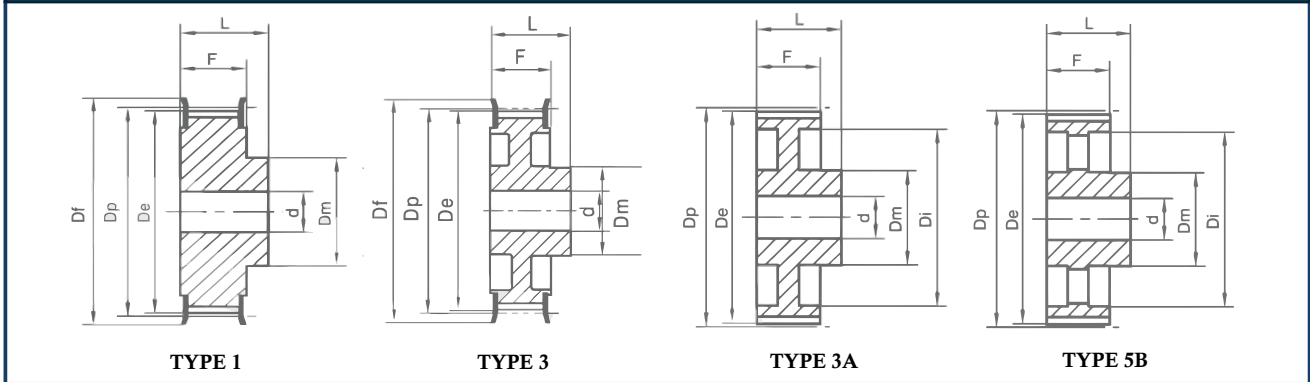


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD10L075	-	1	C45	37.00	30.32	29.56	25.4	-	20	38
PD11L075	-	1	C45	37.00	33.35	32.59	25.4	-	20	38
PD12L075	-	1	C45	43.00	36.38	35.62	25.4	-	27	38
PD13L075	-	1	C45	44.00	39.41	38.65	25.4	-	27	38
PD14L075	-	1	C45	48.00	42.45	41.69	25.4	-	29	38
PD15L075	-	1	C45	51.00	45.48	44.72	25.4	-	32	38
PD16L075	-	1	C45	54.00	48.51	47.75	25.4	-	37	38
PD17L075	-	1	C45	57.00	51.54	50.78	25.4	-	37	38
PD18L075	-	1	C45	60.00	54.57	53.81	25.4	-	41	38
PD19L075	-	1	C45	64.00	57.61	56.84	25.4	-	41	38
PD20L075	-	1	C45	66.50	60.64	59.88	25.4	-	47	38
PD21L075	-	1	C45	70.00	63.67	62.91	25.4	-	47	38
PD22L075	-	1	C45	75.00	66.70	65.94	25.4	-	50	38
PD23L075	-	1	C45	79.00	69.73	68.97	25.4	-	50	38
PD24L075	-	1	C45	79.00	72.77	72.01	25.4	-	57	38
PD25L075	-	1	C45	83.00	75.80	75.04	25.4	-	58	38
PD26L075	-	1	C45	87.00	78.83	78.07	25.4	-	64	38
PD27L075	-	1	C45	87.00	81.86	81.10	25.4	-	64	38
PD28L075	-	1	C45	91.00	84.89	84.13	25.4	-	70	38
PD29L075	-	1	C45	93.00	87.93	87.16	25.4	-	70	38
PD30L075	-	1	C45	97.00	90.96	90.20	25.4	-	72	38
PD32L075	-	1	C45	102.00	97.02	96.26	25.4	-	75	38
PD33L075	-	1	C45	106.00	100.05	99.29	25.4	-	80	38
PD34L075	-	1	C45	112.00	103.08	102.32	25.4	-	85	38

Synchronous Pulleys

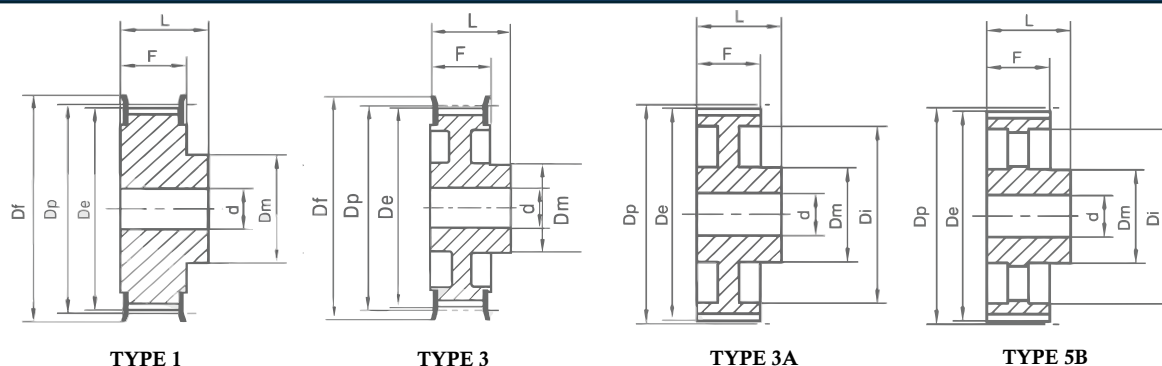
Timing - Pilot Bore

L - 3/8" (9.525 mm) pitch L075 - 0.75" (19.05 mm) Wide Belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD35L075	-	1	C45	112.00	106.12	105.35	25.4	-	88	38
PD36L075	-	1	C45	128.00	109.15	108.39	25.4	-	88	38
PD40L075	11	3	C45	128.00	121.28	120.52	25.4	100	68	38
PD41L075	11	3	C45	128.00	124.31	123.55	25.4	103	68	38
PD42L075	11	3	C45	135.00	127.34	126.58	25.4	106	68	38
PD44L075	11	3	C45	142.00	133.40	132.64	25.4	112	68	38
PD45L075	11	3	C45	150.00	136.44	135.67	25.4	115	68	38
PD47L075	11	3	C45	150.00	142.50	141.74	25.4	121	68	38
PD48L075	11	3	C45	150.00	145.53	144.77	25.4	124	68	48
PD49L075	12	3A	HT250	-	148.56	147.80	25.4	127	68	48
PD50L075	12	3A	HT250	-	151.60	150.83	25.4	130	68	48
PD52L075	12	3A	HT250	-	157.66	156.90	25.4	136	68	48
PD56L075	12	3A	HT250	-	169.79	169.02	25.4	139	68	48
PD57L075	12	3A	HT250	-	172.82	172.06	25.4	152	68	48
PD60L075	12	3A	HT250	-	181.91	181.15	25.4	160	68	48
PD65L075	12	3A	HT250	-	197.07	196.31	25.4	176	68	48
PD66L075	12	3A	HT250	-	200.11	199.34	25.4	179	68	48
PD72L075	12	3A	HT250	-	218.30	217.54	25.4	197	75	48
PD84L075	12	3A	HT250	-	254.68	253.92	25.4	233	75	48
PD90L075	12	3A	HT250	-	272.87	272.11	25.4	252	75	48
PD96L075	12	3A	HT250	-	291.06	290.30	25.4	270	80	48
PD120L075	18	5B	HT250	-	363.83	363.07	25.4	342	85	48

L - 3/8" (9.525 mm) pitch L100 - 1.00" (25.4mm) Wide Belts

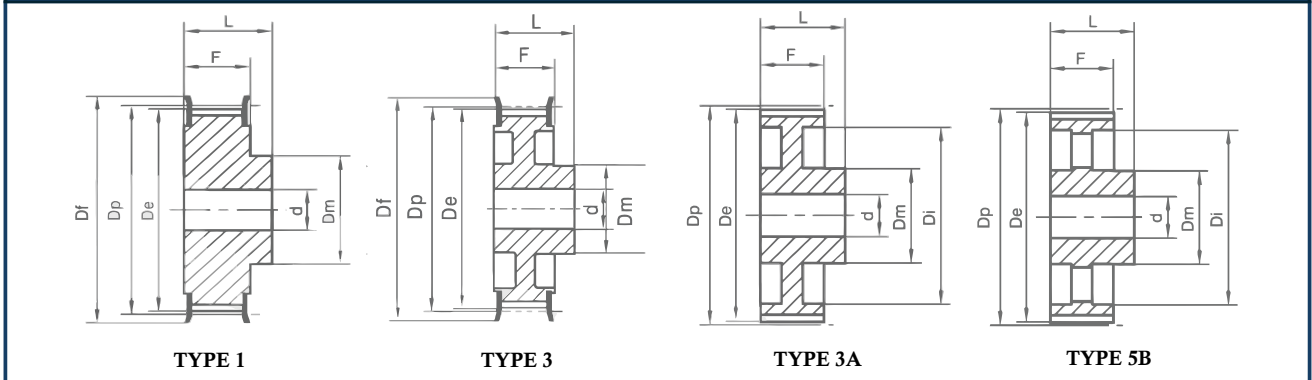


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD10L100	-	1	C45	37.00	30.32	29.56	32	-	20	46
PD11L100	-	1	C45	37.00	33.35	32.59	32	-	20	46
PD12L100	-	1	C45	43.00	36.38	35.62	32	-	27	46
PD13L100	-	1	C45	44.00	39.41	38.65	32	-	27	46
PD14L100	-	1	C45	48.00	42.45	41.69	32	-	29	46
PD15L100	-	1	C45	51.00	45.48	44.72	32	-	32	46
PD16L100	-	1	C45	54.00	48.51	47.75	32	-	37	46
PD17L100	-	1	C45	57.00	51.54	50.78	32	-	37	46
PD18L100	-	1	C45	60.00	54.57	53.81	32	-	41	46
PD19L100	-	1	C45	64.00	57.61	56.84	32	-	41	46
PD20L100	-	1	C45	66.50	60.64	59.88	32	-	47	46
PD21L100	-	1	C45	70.00	63.67	62.91	32	-	47	46
PD22L100	-	1	C45	75.00	66.70	65.94	32	-	50	46
PD23L100	-	1	C45	79.00	69.73	68.97	32	-	50	46
PD24L100	-	1	C45	79.00	72.77	72.01	32	-	57	46
PD25L100	-	1	C45	82.50	75.80	75.04	32	-	58	46
PD26L100	-	1	C45	86.00	78.83	78.07	32	-	64	46
PD27L100	-	1	C45	86.00	81.86	81.10	32	-	64	46
PD28L100	-	1	C45	91.00	84.89	84.13	32	-	70	46
PD29L100	-	1	C45	93.00	87.93	87.16	32	-	70	46
PD30L100	-	1	C45	97.00	90.96	90.20	32	-	72	46
PD32L100	-	1	C45	102.00	97.02	96.26	32	-	75	46
PD33L100	-	1	C45	106.00	100.05	99.29	32	-	80	46
PD34L100	-	1	C45	112.00	103.08	102.32	32	-	85	46

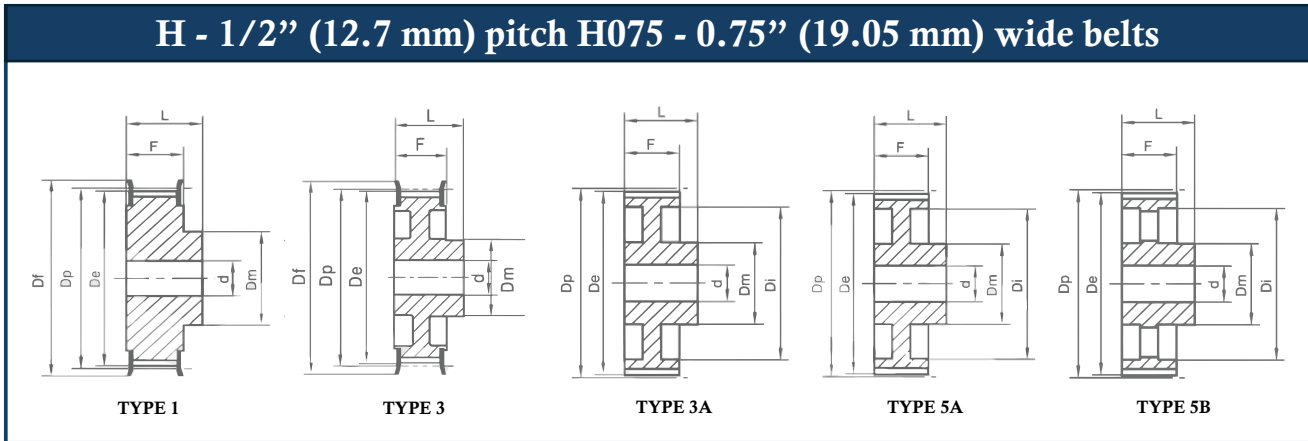
Synchronous Pulleys

Timing - Pilot Bore

L - 3/8" (9.525 mm) pitch L100 - 1.00" (25.4mm) Wide Belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD35L100	-	1	C45	112.00	106.12	105.35	32	-	88	46
PD36L100	-	1	C45	115.00	109.15	108.39	32	-	88	46
PD40L100	11	3	C45	128.00	121.28	120.52	32	100	68	46
PD41L100	11	3	C45	128.00	124.31	123.55	32	103	68	46
PD42L100	11	3	C45	135.00	127.34	126.58	32	106	68	46
PD44L100	11	3	C45	142.00	133.40	132.64	32	112	68	46
PD45L100	11	3	C45	142.00	136.44	135.67	32	115	68	46
PD47L100	11	3	C45	150.00	142.50	141.74	32	121	68	46
PD48L100	11	3	C45	150.00	145.53	144.77	32	124	68	50
PD49L100	12	3A	HT250	-	148.56	147.80	32	127	68	50
PD50L100	12	3A	HT250	-	151.60	150.83	32	130	68	50
PD52L100	12	3A	HT250	-	157.66	156.90	32	136	68	50
PD56L100	12	3A	HT250	-	169.79	169.02	32	139	68	50
PD57L100	12	3A	HT250	-	172.82	172.06	32	152	68	50
PD60L100	12	3A	HT250	-	181.91	181.15	32	160	75	54
PD65L100	12	3A	HT250	-	197.07	196.31	32	176	75	54
PD66L100	12	3A	HT250	-	200.11	199.34	32	179	75	54
PD72L100	12	3A	HT250	-	218.30	217.54	32	197	75	54
PD84L100	12	3A	HT250	-	254.68	253.92	32	233	80	54
PD90L100	12	3A	HT250	-	272.87	272.11	32	252	80	54
PD96L100	12	3A	HT250	-	291.06	290.30	32	270	80	54
PD120L100	18	5B	HT250	-	363.83	363.07	32	342	90	54

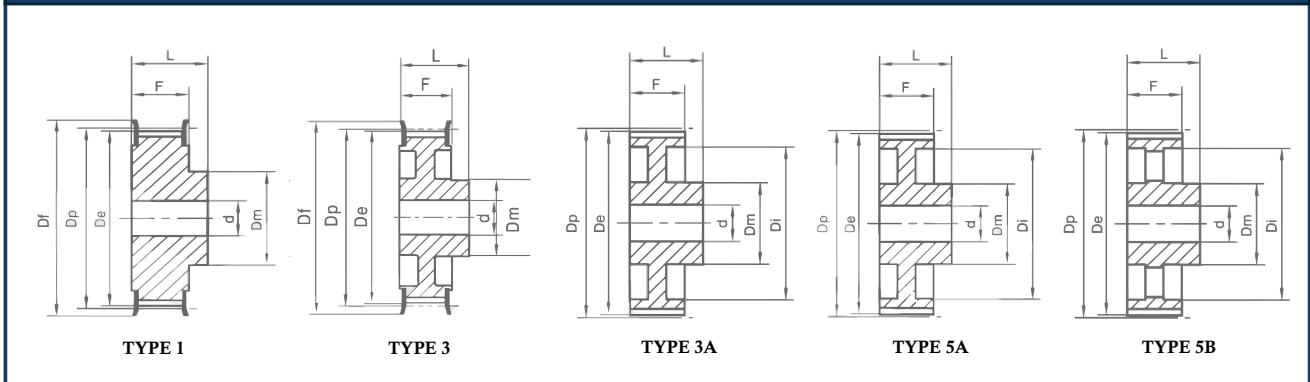


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD14H075	-	1	C45	64.00	56.60	55.23	25.4	-	40	38
PD15H075	-	1	C45	66.50	60.64	59.27	25.4	-	45	38
PD16H075	-	1	C45	70.00	64.68	63.31	25.4	-	47	38
PD17H075	-	1	C45	75.00	68.72	67.35	25.4	-	49	38
PD18H075	-	1	C45	79.00	72.77	71.40	25.4	-	57	38
PD19H075	-	1	C45	82.50	76.81	75.44	25.4	-	60	38
PD20H075	-	1	C45	87.00	80.85	79.48	25.4	-	64	38
PD21H075	-	1	C45	91.00	84.89	83.52	25.4	-	64	38
PD22H075	-	1	C45	94.00	88.94	87.57	25.4	-	70	38
PD23H075	-	1	C45	97.00	92.98	91.61	25.4	-	72	38
PD24H075	-	1	C45	102.00	97.02	95.65	25.4	-	80	38
PD25H075	-	1	C45	106.00	101.06	99.69	25.4	-	80	38
PD26H075	-	1	C45	112.00	105.11	103.74	25.4	-	85	38
PD27H075	-	1	C45	115.00	109.15	107.78	25.4	-	88	38
PD28H075	-	1	C45	120.00	113.19	111.92	25.4	-	94	38
PD29H075	-	1	C45	120.00	117.23	115.86	25.4	-	96	38
PD30H075	-	1	C45	128.00	121.28	119.91	25.4	-	104	38
PD32H075	-	1	C45	135.00	129.36	127.99	25.4	-	112	38
PD33H075	-	1	C45	142.00	133.40	132.03	25.4	-	112	38
PD34H075	-	1	C45	142.00	137.45	136.08	25.4	-	116	38
PD35H075	11	3	C45	150.00	141.49	140.12	25.4	118	68	48
PD36H075	11	3	C45	150.00	145.53	144.16	25.4	118	68	48
PD38H075	11	3	C45	158.00	153.62	152.25	25.4	126	68	48
PD40H075	11	3	C45	168.00	161.70	160.33	25.4	134	68	48

Synchronous Pulleys

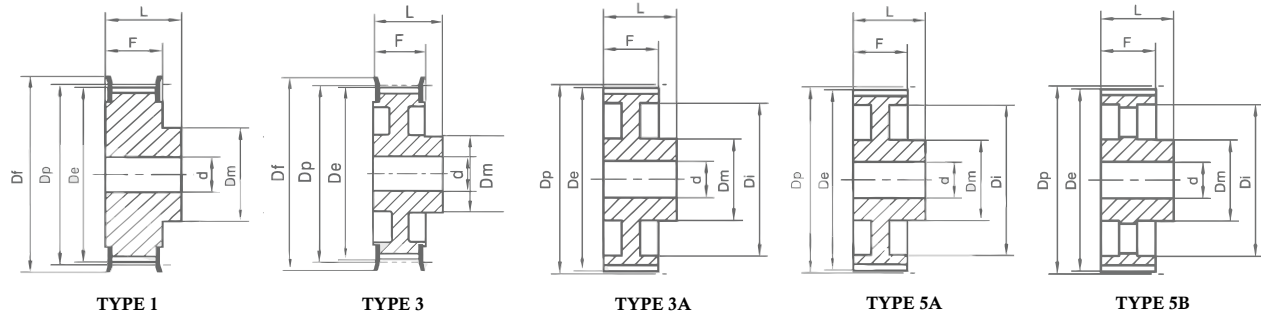
Timing - Pilot Bore

H - 1/2" (12.7 mm) pitch H075 - 0.75" (19.05 mm) wide belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD44H075	12	3	C45	184.00	177.87	176.50	25.4	150	68	48
PD45H075	12	3	C45	192.00	181.91	180.54	25.4	154	68	48
PD48H075	12	3	C45	200.00	194.04	192.67	25.4	166	68	48
PD49H075	12	3A	HT250	-	198.08	196.71	25.4	170	68	48
PD50H075	12	3A	HT250	-	202.13	200.76	25.4	174	68	48
PD52H075	19	3A	HT250	-	210.21	208.84	25.4	182	75	48
PD60H075	19	3A	HT250	-	242.55	241.18	25.4	215	75	48
PD70H075	19	3A	HT250	-	282.98	281.61	25.4	255	75	48
PD72H075	19	3A	HT250	-	291.06	289.69	25.4	263	80	48
PD82H075	19	5A	HT250	-	331.49	330.12	25.4	304	80	55
PD84H075	19	5A	HT250	-	339.57	338.20	25.4	312	90	55
PD94H075	19	5A	HT250	-	380.00	378.63	25.4	352	90	55
PD96H075	19	5A	HT250	-	388.08	386.71	25.4	360	100	55
PD106H075	19	5A	HT250	-	428.51	427.14	25.4	401	100	55
PD116H075	19	5A	HT250	-	468.93	467.56	25.4	441	100	55
PD118H075	19	5A	HT250	-	477.02	475.65	25.4	449	100	55
PD120H075	19	5A	HT250	-	485.10	483.73	25.4	458	100	55
PD150H075	19	5A	HT250	-	606.38	605.01	25.4	579	100	55
PD152H075	19	5A	HT250	-	614.47	613.09	25.4	587	100	55
PD154H075	19	5A	HT250	-	622.55	621.17	25.4	595	100	55
PD156H075	19	5A	HT250	-	630.64	629.26	25.4	603	120	55

H - 1/2" (12.7 mm) pitch H100 - 1.00" (25.4 mm) Wide Belts

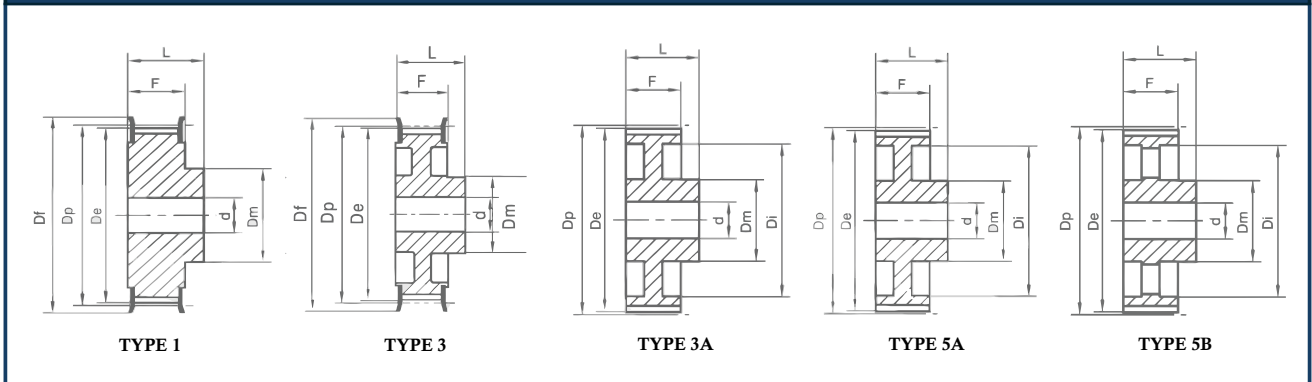


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD14H100	-	1	C45	64.00	56.60	55.23	33.3	-	40	44
PD15H100	-	1	C45	66.50	60.64	59.27	33.3	-	45	44
PD16H100	-	1	C45	70.00	64.68	63.31	33.3	-	47	44
PD17H100	-	1	C45	75.00	68.72	67.35	33.3	-	49	44
PD18H100	-	1	C45	79.00	72.77	71.40	33.3	-	57	44
PD19H100	-	1	C45	82.50	76.81	75.44	33.3	-	60	44
PD20H100	-	1	C45	87.00	80.85	79.48	33.3	-	64	44
PD21H100	-	1	C45	91.00	84.89	83.52	33.3	-	64	44
PD22H100	-	1	C45	94.00	88.94	87.57	33.3	-	70	44
PD23H100	-	1	C45	97.00	92.98	91.61	33.3	-	72	44
PD24H100	-	1	C45	102.00	97.02	95.65	33.3	-	80	44
PD25H100	-	1	C45	106.00	101.06	99.69	33.3	-	80	44
PD26H100	-	1	C45	112.00	105.11	103.74	33.3	-	85	44
PD27H100	-	1	C45	115.00	109.15	107.78	33.3	-	88	44
PD28H100	-	1	C45	120.00	113.19	111.92	33.3	-	94	48
PD29H100	-	1	C45	120.00	117.23	115.86	33.3	-	96	48
PD30H100	-	1	C45	128.00	121.28	119.91	33.3	-	104	50
PD32H100	-	1	C45	135.00	129.36	127.99	33.3	-	112	52
PD33H100	-	1	C45	142.00	133.40	132.03	33.3	-	112	52
PD34H100	-	1	C45	142.00	137.45	136.08	33.3	-	116	52
PD35H100	12	3	C45	150.00	141.49	140.12	33.3	118	75	52
PD36H100	12	3	C45	150.00	145.53	144.16	33.3	118	75	52
PD38H100	12	3	C45	158.00	153.62	152.25	33.3	126	75	52
PD40H100	12	3	C45	168.00	161.70	160.33	33.3	134	75	54

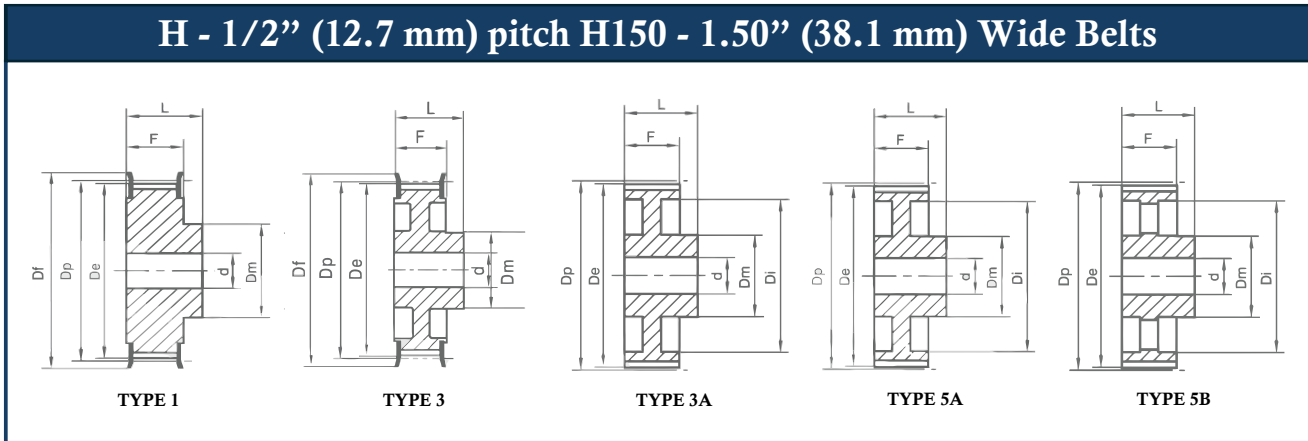
Synchronous Pulleys

Timing - Pilot Bore

H - 1/2" (12.7 mm) pitch H100 - 1.00" (25.4 mm) Wide Belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD44H100	12	3	C45	184.00	177.87	176.50	33.3	150	75	54
PD45H100	12	3	HT250	192.00	181.91	180.54	33.3	154	7.05	54
PD48H100	12	3	HT250	200.00	194.04	192.67	33.3	166	75	60
PD49H100	12	3A	HT250	-	198.08	196.71	33.3	170	75	60
PD50H100	18	3A	HT250	-	202.13	200.76	33.3	174	75	60
PD52H100	18	3A	HT250	-	210.21	208.84	33.3	182	75	60
PD60H100	18	3A	HT250	-	242.55	241.18	33.3	215	80	60
PD70H100	18	3A	HT250	-	282.98	281.61	33.3	255	80	60
PD72H100	18	3A	HT250	-	291.06	289.69	33.3	263	80	60
PD82H100	18	5A	HT250	-	331.49	330.12	33.3	304	80	60
PD84H100	18	5B	HT250	-	339.57	338.20	33.3	312	90	60
PD94H100	18	5B	HT250	-	380.00	378.63	33.3	352	90	60
PD96H100	18	5B	HT250	-	388.08	386.71	33.3	360	100	60
PD106H100	18	5B	HT250	-	428.51	427.14	33.3	401	100	60
PD116H100	18	5B	HT250	-	468.93	467.56	33.3	441	100	60
PD118H100	18	5B	HT250	-	477.02	475.65	33.3	449	100	60
PD120H100	18	5B	HT250	-	485.10	483.73	33.3	458	100	60
PD150H100	18	5B	HT250	-	606.38	605.01	33.3	579	100	60
PD152H100	18	5B	HT250	-	614.47	613.09	33.3	587	100	60
PD154H100	18	5B	HT250	-	622.55	621.17	33.3	595	100	60
PD156H100	18	5B	HT250	-	630.64	629.26	33.3	603	120	60

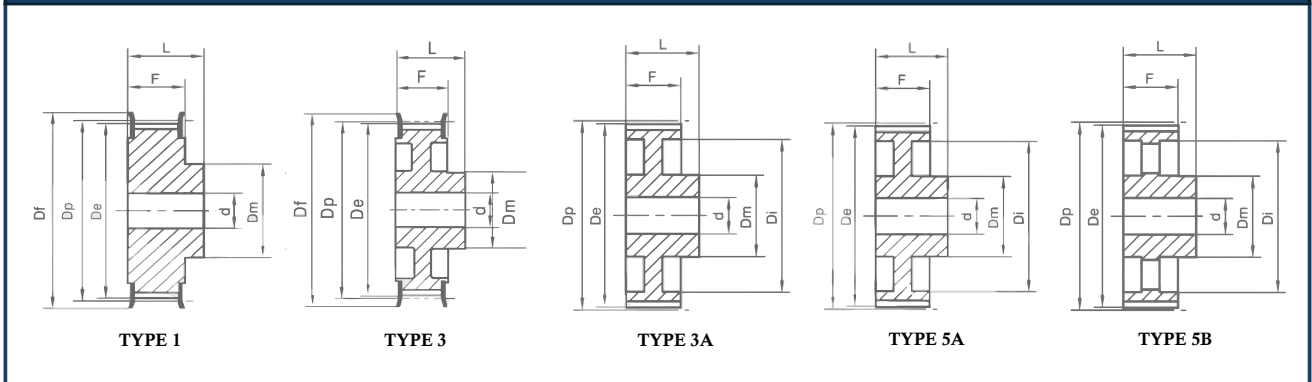


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD14H150	-	1	C45	64.00	56.60	55.23	46	-	40	58
PD15H150	-	1	C45	66.50	60.64	59.27	46	-	45	58
PD16H150	-	1	C45	70.00	64.68	63.31	46	-	47	58
PD17H150	-	1	C45	75.00	68.72	67.35	46	-	49	58
PD18H150	-	1	C45	79.00	72.77	71.40	46	-	57	58
PD19H150	-	1	C45	82.50	76.81	75.44	46	-	60	58
PD20H150	-	1	C45	87.00	80.85	79.48	46	-	64	58
PD21H150	-	1	C45	91.00	84.89	83.52	46	-	64	58
PD22H150	-	1	C45	94.00	88.94	87.57	46	-	70	58
PD23H150	-	1	C45	97.00	92.98	91.61	46	-	72	58
PD24H150	-	1	C45	102.00	97.02	95.65	46	-	80	58
PD25H150	-	1	C45	106.00	101.06	99.69	46	-	80	58
PD26H150	-	1	C45	112.00	105.11	103.74	46	-	85	58
PD27H150	-	1	C45	115.00	109.15	107.78	46	-	88	58
PD28H150	-	1	C45	120.00	113.19	111.92	46	-	94	58
PD29H150	-	1	C45	120.00	117.23	115.86	46	-	96	58
PD30H150	-	1	C45	128.00	121.28	119.91	46	-	104	58
PD32H150	-	1	C45	135.00	129.36	127.99	46	-	112	58
PD33H150	-	1	C45	142.00	133.40	132.03	46	-	112	58
PD34H150	-	1	C45	142.00	137.45	136.08	46	-	116	58
PD35H150	12	3	C45	150.00	141.49	140.12	46	118	75	58
PD36H150	12	3	C45	150.00	145.53	144.16	46	118	75	58
PD38H150	12	3	C45	158.00	153.62	152.25	46	126	75	58
PD40H150	12	3	C45	168.00	161.70	160.33	46	134	75	70

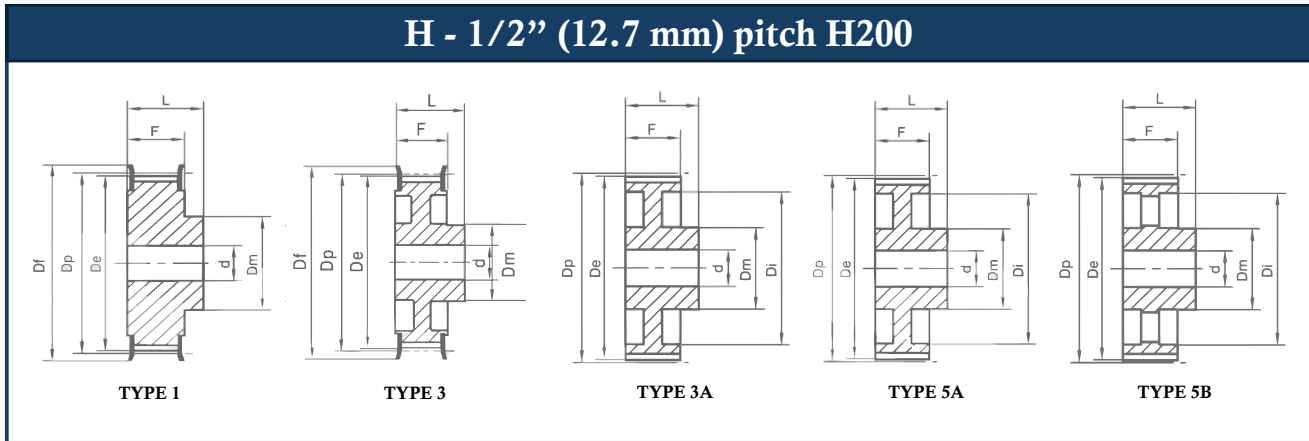
Synchronous Pulleys

Timing - Pilot Bore

H - 1/2" (12.7 mm) pitch H150 - 1.50" (38.1 mm) Wide Belts



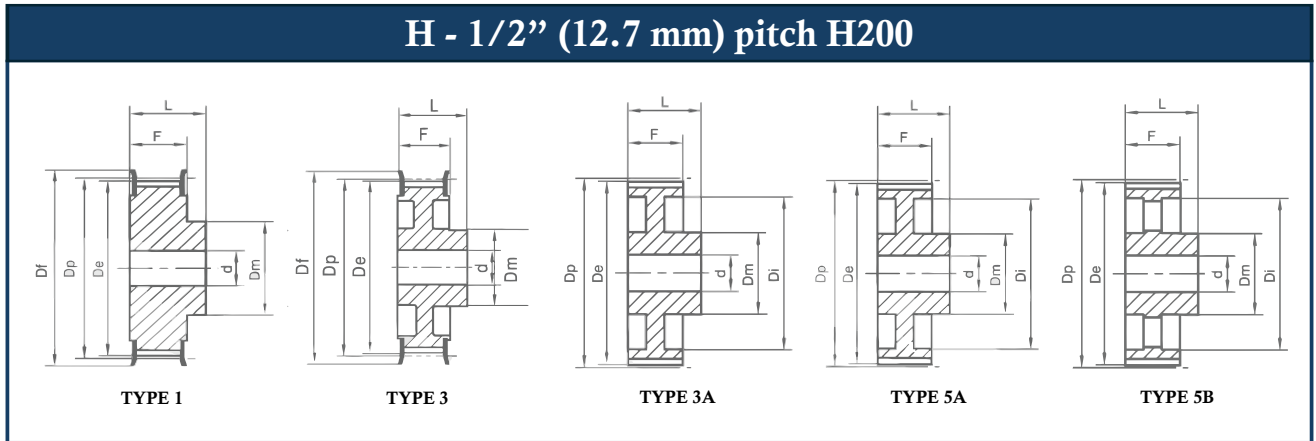
DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD44H150	18	3	C45	184.00	177.87	176.50	46	150	75	70
PD45H150	18	3	HT250	192.00	181.91	180.54	46	154	75	70
PD48H150	18	3	HT250	200.00	194.04	192.67	46	166	75	70
PD49H150	18	3A	HT250	-	198.08	196.71	46	170	75	70
PD50H150	18	3A	HT250	-	202.13	200.76	46	174	75	70
PD52H150	18	3A	HT250	-	210.21	208.84	46	182	75	70
PD58H150	-	3A	HT250	-	234.47	233.10	46	207	80	70
PD60H150	18	3A	HT250	-	242.55	241.18	46	215	80	70
PD70H150	24	3A	HT250	-	282.98	281.61	46	255	80	70
PD72H150	24	3A	HT250	-	291.06	289.69	46	263	80	70
PD82H150	24	5B	HT250	-	331.49	330.12	46	304	80	70
PD84H150	24	5B	HT250	-	339.57	338.20	46	312	90	70
PD94H150	24	5B	HT250	-	380.00	378.63	46	352	90	70
PD96H150	24	5B	HT250	-	388.08	386.71	46	360	100	70
PD106H150	24	5B	HT250	-	428.51	427.14	46	401	100	70
PD116H150	24	5B	HT250	-	468.93	467.56	46	441	100	70
PD118H150	24	5B	HT250	-	477.02	475.65	46	449	100	70
PD120H150	24	5B	HT250	-	485.10	483.73	46	458	100	70
PD150H150	24	5B	HT250	-	606.38	605.01	46	579	100	70
PD152H150	24	5B	HT250	-	614.47	613.09	46	587	100	70
PD154H150	24	5B	HT250	-	622.55	621.17	46	595	100	70
PD156H150	24	5B	HT250	-	630.64	629.26	46	603	120	70



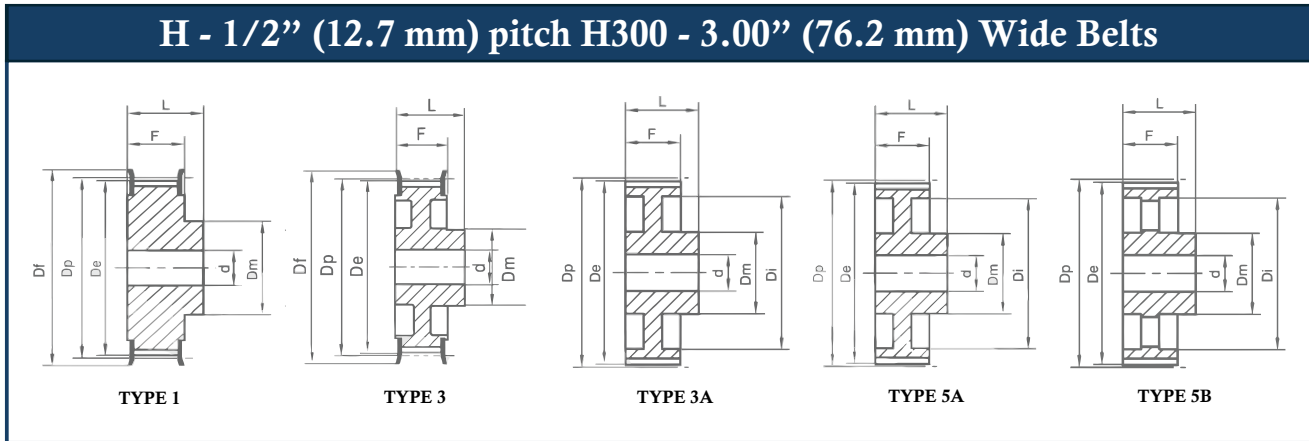
DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD14H200	-	1	C45	64.00	56.60	55.23	59.5	-	40	72
PD15H200	-	1	C45	66.50	60.64	59.27	59.5	-	45	72
PD16H200	-	1	C45	70.00	64.68	63.31	59.5	-	47	72
PD17H200	-	1	C45	75.00	68.72	67.35	59.5	-	49	72
PD18H200	-	1	C45	79.00	72.77	71.40	59.5	-	57	72
PD19H200	-	1	C45	82.50	76.81	75.44	59.5	-	60	72
PD20H200	-	1	C45	87.00	80.85	79.48	59.5	-	64	72
PD21H200	-	1	C45	91.00	84.89	83.52	59.5	-	64	72
PD22H200	-	1	C45	94.00	88.94	87.57	59.5	-	70	72
PD23H200	-	1	C45	97.00	92.98	91.61	59.5	-	72	72
PD24H200	-	1	C45	102.00	97.02	95.65	59.5	-	80	72
PD25H200	-	1	C45	106.00	101.06	99.69	59.5	-	80	72
PD26H200	-	1	C45	112.00	105.11	103.74	59.5	-	85	72
PD27H200	-	1	C45	115.00	109.15	107.78	59.5	-	88	72
PD28H200	-	1	C45	120.00	113.19	111.92	59.5	-	94	72
PD29H200	-	1	C45	120.00	117.23	115.86	59.5	-	96	72
PD30H200	-	1	C45	128.00	121.28	119.91	59.5	-	104	72
PD32H200	-	1	C45	135.00	129.36	127.99	59.5	-	112	72
PD33H200	-	1	C45	142.00	133.40	132.03	59.5	-	112	72
PD34H200	-	1	C45	142.00	137.45	136.08	59.5	-	116	72
PD35H200	12	3	C45	150.00	141.49	140.12	59.5	118	80	72
PD36H200	12	3	C45	150.00	145.53	144.16	59.5	118	80	72
PD38H200	12	3	C45	158.00	153.62	152.25	59.5	126	80	72
PD40H200	12	3	C45	168.00	161.70	160.33	59.5	134	80	72

Synchronous Pulleys

Timing - Pilot Bore



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD44H200	18	3	C45	184.00	177.87	176.50	59.5	150	80	72
PD45H200	18	3	HT250	192.00	181.91	180.54	59.5	154	80	72
PD48H200	24	3	HT250	200.00	194.04	192.67	59.5	166	80	80
PD49H200	24	3A	HT250	-	198.08	196.71	59.5	170	80	80
PD50H200	24	3A	HT250	-	202.13	200.76	59.5	174	80	80
PD52H200	24	3A	HT250	-	210.21	208.84	59.5	182	80	80
PD58H200	-	3A	HT250	-	234.47	233.10	59.5	207	90	80
PD60H200	24	3A	HT250	-	242.55	241.18	59.5	215	90	80
PD70H200	28	3A	HT250	-	282.98	281.61	59.5	255	90	80
PD72H200	28	3A	HT250	-	291.06	289.69	59.5	263	90	80
PD82H200	28	5B	HT250	-	331.49	330.12	59.5	304	90	80
PD84H200	28	5B	HT250	-	339.57	338.20	59.5	312	100	80
PD94H200	28	5B	HT250	-	380.00	378.63	59.5	352	100	80
PD96H200	28	5B	HT250	-	388.08	386.71	59.5	360	100	80
PD106H200	28	5B	HT250	-	428.51	427.14	59.5	401	100	80
PD116H200	28	5B	HT250	-	468.93	467.56	59.5	441	100	80
PD118H200	28	5B	HT250	-	477.02	475.65	59.5	449	100	80
PD120H200	28	5B	HT250	-	485.10	483.73	59.5	458	120	80
PD150H200	28	5B	HT250	-	606.38	605.01	59.5	579	120	80
PD152H200	28	5B	HT250	-	614.47	613.09	59.5	587	120	80
PD154H200	28	5B	HT250	-	622.55	621.17	59.5	595	120	80
PD156H200	28	5B	HT250	-	630.64	629.26	59.5	603	130	80

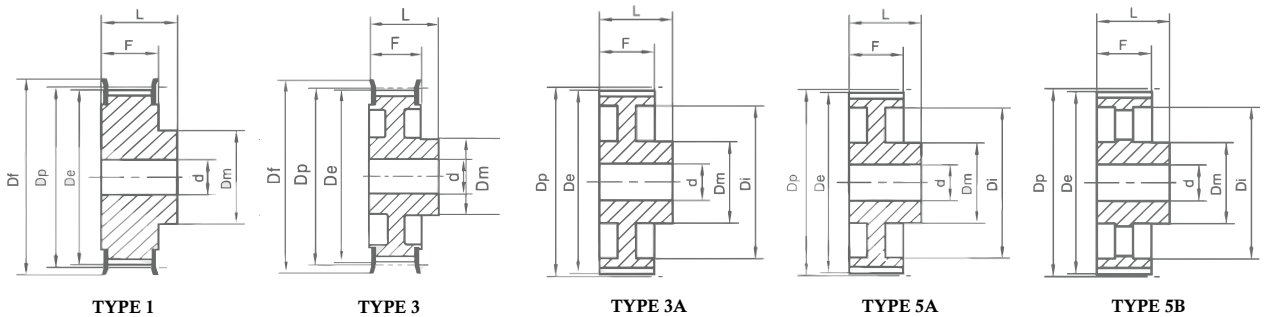


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD14H300	-	1	C45	64.00	56.60	55.23	85.7	-	40	98
PD15H300	-	1	C45	66.00	60.64	59.27	85.7	-	45	98
PD16H300	-	1	C45	70.00	64.68	63.31	85.7	-	47	98
PD17H300	-	1	C45	75.00	68.72	67.35	85.7	-	49	98
PD18H300	-	1	C45	79.00	72.77	71.40	85.7	-	57	98
PD19H300	-	1	C45	83.00	76.81	75.44	85.7	-	60	98
PD20H300	-	1	C45	87.00	80.85	79.48	85.7	-	64	98
PD21H300	-	1	C45	91.00	84.89	83.52	85.7	-	64	98
PD22H300	-	1	C45	93.00	88.94	87.57	85.7	-	70	98
PD23H300	-	1	C45	97.00	92.98	91.61	85.7	-	72	98
PD24H300	-	1	C45	102.00	97.02	95.65	85.7	-	80	98
PD25H300	-	1	C45	106.00	101.06	99.69	85.7	-	80	98
PD26H300	-	1	C45	112.00	105.11	103.74	85.7	-	85	98
PD27H300	-	1	C45	115.00	109.15	107.78	85.7	-	88	98
PD28H300	-	1	C45	120.00	113.19	111.92	85.7	-	94	98
PD29H300	-	1	C45	120.00	117.23	115.86	85.7	-	96	98
PD30H300	-	1	C45	128.00	121.28	119.91	85.7	-	104	98
PD32H300	-	1	C45	135.00	129.36	127.99	85.7	-	112	98
PD33H300	-	1	C45	142.00	133.40	132.03	85.7	-	112	98
PD34H300	-	1	C45	142.00	137.45	136.08	85.7	-	116	98
PD35H300	18	3	C45	150.00	141.49	140.12	85.7	118	75	98
PD36H300	18	3	C45	150.00	145.53	144.16	85.7	118	80	98
PD38H300	18	3	C45	158.00	153.62	152.25	85.7	126	80	98
PD44H300	24	3	HT250	184.00	177.87	176.50	85.7	150	80	98

Synchronous Pulleys

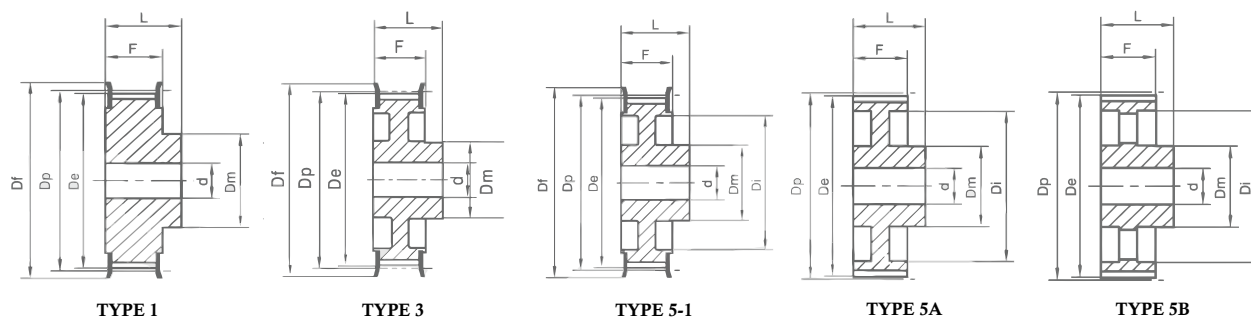
Timing - Pilot Bore

H - 1/2" (12.7 mm) pitch H300 - 3.00" (76.2 mm) Wide Belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD45H300	24	3	HT250	192.00	181.91	180.54	85.7	154	80	98
PD48H300	24	3	HT250	200.00	194.04	192.67	85.7	166	90	98
PD49H300	24	3A	HT250	-	198.08	196.71	85.7	170	90	98
PD50H300	24	3A	HT250	-	202.13	200.76	85.7	174	90	98
PD52H300	24	3A	HT250	-	210.21	208.84	85.7	182	90	98
PD58H300	-	3A	HT250	-	234.47	233.10	85.7	207	100	98
PD60H300	24	3A	HT250	-	242.55	241.18	85.7	215	100	98
PD70H300	28	3A	HT250	-	282.98	281.61	85.7	255	100	98
PD72H300	28	3A	HT250	-	291.06	289.69	85.7	263	100	98
PD82H300	28	5B	HT250	-	331.49	330.12	85.7	304	100	98
PD84H300	28	5B	HT250	-	339.57	338.20	85.7	312	100	98
PD94H300	28	5B	HT250	-	380.00	378.63	85.7	352	100	98
PD96H300	28	5B	HT250	-	388.08	386.71	85.7	360	110	98
PD106H300	28	5B	HT250	-	428.51	427.14	85.7	401	110	98
PD116H300	28	5B	HT250	-	468.93	467.56	85.7	441	110	98
PD118H300	28	5B	HT250	-	477.02	475.65	85.7	449	110	98
PD120H300	28	5B	HT250	-	485.10	483.73	85.7	458	120	98
PD150H300	28	5B	HT250	-	606.38	605.01	85.7	579	120	98
PD152H300	28	5B	HT250	-	614.47	613.09	85.7	587	120	98
PD154H300	28	5B	HT250	-	622.55	621.17	85.7	595	120	98
PD156H300	28	5B	HT250	-	630.64	629.26	85.7	603	130	98

XH - 7/8" (22.225 mm) pitch XH200 - 2.00" (50.8 mm) wide belts

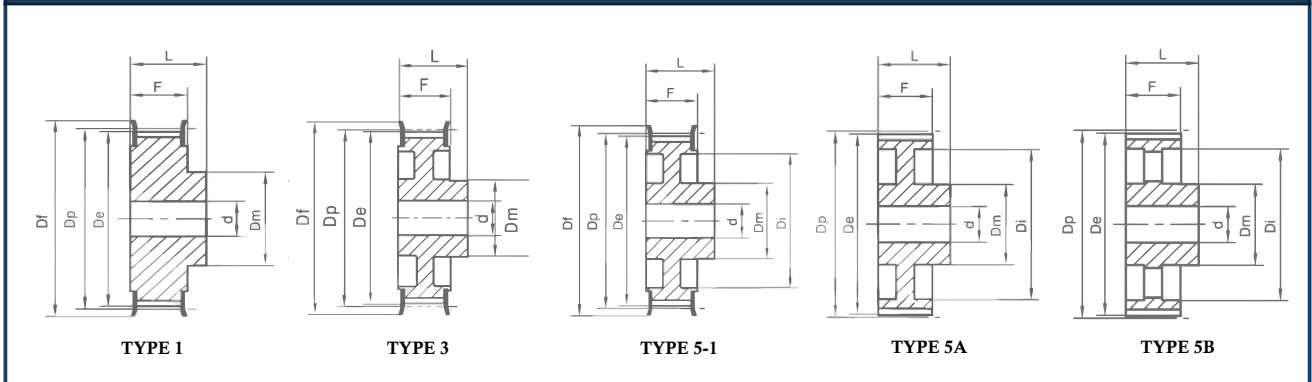


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD18XH200	-	1	HT250	134.00	127.34	124.55	65	-	100	80
PD19XH200	-	1	HT250	142.00	134.41	131.62	65	-	107	80
PD20XH200	-	1	HT250	150.00	141.49	138.70	65	-	114	80
PD21XH200	-	1	HT250	158.00	148.56	145.77	65	-	122	80
PD22XH200	-	1	HT250	166.00	155.64	152.85	65	-	128	80
PD24XH200	-	1	HT250	177.00	169.79	167.00	65	-	141	80
PD25XH200	-	3	HT250	186.00	176.86	174.07	65	-	90	80
PD26XH200	-	3	HT250	191.00	183.94	181.15	65	-	90	80
PD27XH200	-	1	HT250	200.00	191.01	188.22	65	-	158	80
PD28XH200	-	1	HT250	209.00	198.08	195.29	65	-	169	80
PD30XH200	-	3	HT250	216.00	212.23	209.44	65	170	110	80
PD32XH200	-	3	HT250	232.00	226.38	223.59	65	184	110	80
PD34XH200	-	3	HT250	261.00	240.53	237.74	65	198	110	80
PD38XH200	-	3	HT250	274.00	268.83	266.03	65	227	110	80
PD40XH200	-	3	HT250	288.00	282.98	280.19	65	241	120	100
PD46XH200	19	5-1	HT250	-	325.42	322.63	65	283	120	100
PD48XH200	19	5A	HT250	-	339.57	336.78	65	297	120	100
PD58XH200	19	5A	HT250	-	410.32	407.52	65	368	120	100
PD60XH200	19	5A	HT250	-	424.47	421.68	65	382	130	100
PD70XH200	19	5B	HT250	-	495.21	492.42	65	453	130	100
PD72XH200	19	5B	HT250	-	509.36	506.57	65	467	140	100
PD78XH200	19	5B	HT250	-	551.81	549.01	65	510	140	100
PD80XH200	19	5B	HT250	-	565.96	563.16	65	524	140	100
PD82XH200	19	5B	HT250	-	580.10	577.31	65	538	140	100
PD84XH200	19	5B	HT250	-	594.25	591.46	65	552	150	100
PD94XH200	19	5B	HT250	-	665.00	662.20	65	623	150	100
PD96XH200	19	5B	HT250	-	679.15	676.35	65	637	160	100
PD118XH200	19	5B	HT250	-	834.78	831.99	65	792	160	100
PD120XH200	19	5B	HT250	-	848.93	846.14	65	806	170	100

Synchronous Pulleys

Timing - Pilot Bore

XH - 7/8" (22.225 mm) pitch XH300 - 3.00" (76.2 mm) wide belts

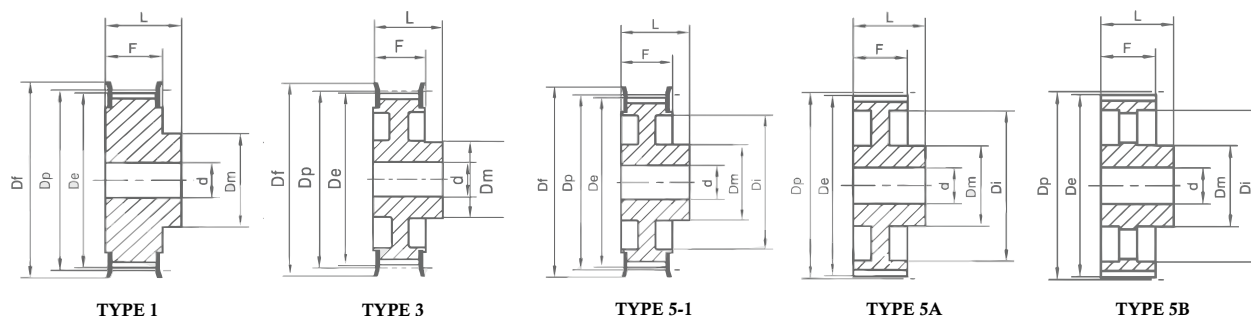


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD18XH300	-	1	HT250	134.00	127.34	124.55	92	-	100	107
PD19XH300	-	1	HT250	142.00	134.41	131.62	92	-	107	107
PD20XH300	-	1	HT250	150.00	141.49	138.70	92	-	114	107
PD21XH300	-	1	HT250	158.00	148.56	145.77	92	-	122	107
PD22XH300	-	1	HT250	166.00	155.64	152.85	92	-	128	107
PD24XH300	-	1	HT250	177.00	169.79	167.00	92	-	141	107
PD25XH300	-	1	HT250	186.00	176.86	174.07	92	-	148	107
PD26XH300	-	1	HT250	191.00	183.94	181.15	92	-	157	107
PD27XH300	-	1	HT250	200.00	191.01	188.22	92	-	158	107
PD28XH300	-	1	HT250	209.00	198.08	195.29	92	-	169	107
PD30XH300	-	3	HT250	216.00	212.23	209.44	92	170	110	107
PD32XH300	-	3	HT250	232.00	226.38	223.59	92	184	110	107
PD34XH300	-	3	HT250	261.00	240.53	237.74	92	198	110	107
PD38XH300	-	3	HT250	274.00	268.83	266.03	92	227	110	107
PD40XH300	-	3	HT250	288.00	282.98	280.19	92	241	120	100
PD46XH300	19	5A	HT250	-	325.42	322.63	92	283	120	100
PD48XH300	19	5A	HT250	-	339.57	336.78	92	297	120	100
PD58XH300	19	5A	HT250	-	410.32	407.52	92	368	120	100
PD60XH300	19	5A	HT250	-	424.47	421.68	92	382	120	100
PD70XH300	19	5B	HT250	-	495.21	492.42	92	453	130	100
PD72XH300	19	5B	HT250	-	509.36	506.57	92	467	140	120
PD78XH300	19	5B	HT250	-	551.81	549.01	92	510	140	120
PD80XH300	19	5B	HT250	-	565.96	563.16	92	524	140	120
PD82XH300	19	5B	HT250	-	580.10	577.31	92	538	140	120
PD84XH300	19	5B	HT250	-	594.25	591.46	92	552	160	120
PD94XH300	19	5B	HT250	-	665.00	662.20	92	623	160	120
PD96XH300	19	5B	HT250	-	679.15	676.35	92	637	160	120
PD118XH300	19	5B	HT250	-	834.78	831.99	92	792	160	120
PD120XH300	19	5B	HT250	-	848.93	846.14	92	806	170	120

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

XH - 7/8" (22.225 mm) pitch XH400 - 4.00" (101.6 mm) wide belts

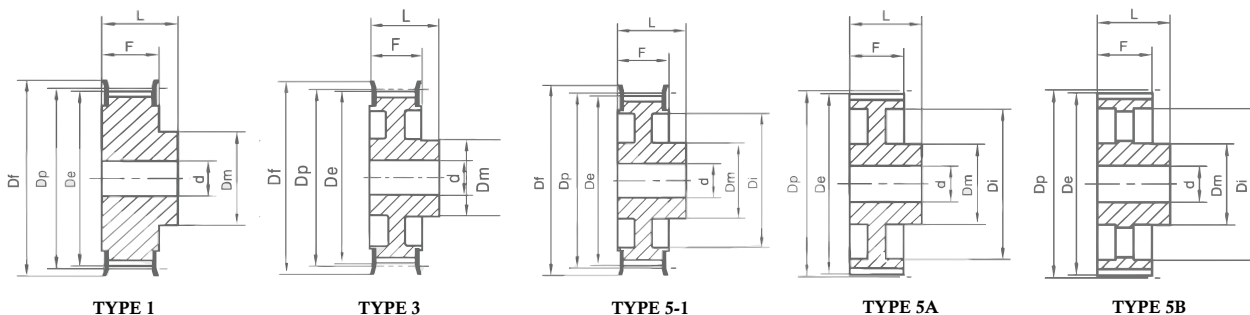


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD18XH400	-	1	HT250	134.00	127.34	124.55	119	-	100	135
PD19XH400	-	1	HT250	142.00	134.41	131.62	119	-	107	135
PD20XH400	-	1	HT250	150.00	141.49	138.70	119	-	114	135
PD21XH400	-	1	HT250	158.00	148.56	145.77	119	-	122	135
PD22XH400	-	1	HT250	166.00	155.64	152.85	119	-	128	135
PD24XH400	-	1	HT250	177.00	169.79	167.00	119	-	141	135
PD25XH400	-	1	HT250	186.00	176.86	174.07	119	-	148	135
PD26XH400	-	1	HT250	191.00	183.94	181.15	119	-	157	135
PD27XH400	-	1	HT250	200.00	191.01	188.22	119	-	158	135
PD28XH400	-	1	HT250	209.00	198.08	195.29	119	-	169	135
PD30XH400	-	3	HT250	216.00	212.23	209.44	119	170	120	135
PD32XH400	-	3	HT250	232.00	226.38	223.59	119	184	120	135
PD34XH400	-	3	HT250	261.00	240.53	237.74	119	198	120	135
PD38XH400	-	3	HT250	274.00	268.83	266.03	119	227	120	135
PD40XH400	-	3	HT250	288.00	282.98	280.19	119	241	120	135
PD46XH400	-	3A	HT250	-	325.42	322.63	119	283	140	135
PD48XH400	19	5A	HT250	-	339.57	336.78	119	297	140	135
PD58XH400	19	5A	HT250	-	410.32	407.52	119	368	140	135
PD60XH400	19	5A	HT250	-	424.47	421.68	119	382	140	135
PD70XH400	19	5B	HT250	-	495.21	492.42	119	453	140	135
PD72XH400	19	5B	HT250	-	509.36	506.57	119	467	140	135
PD78XH400	19	5B	HT250	-	551.81	549.01	119	510	140	135
PD80XH400	19	5B	HT250	-	565.96	563.16	119	524	140	135

Synchronous Pulleys

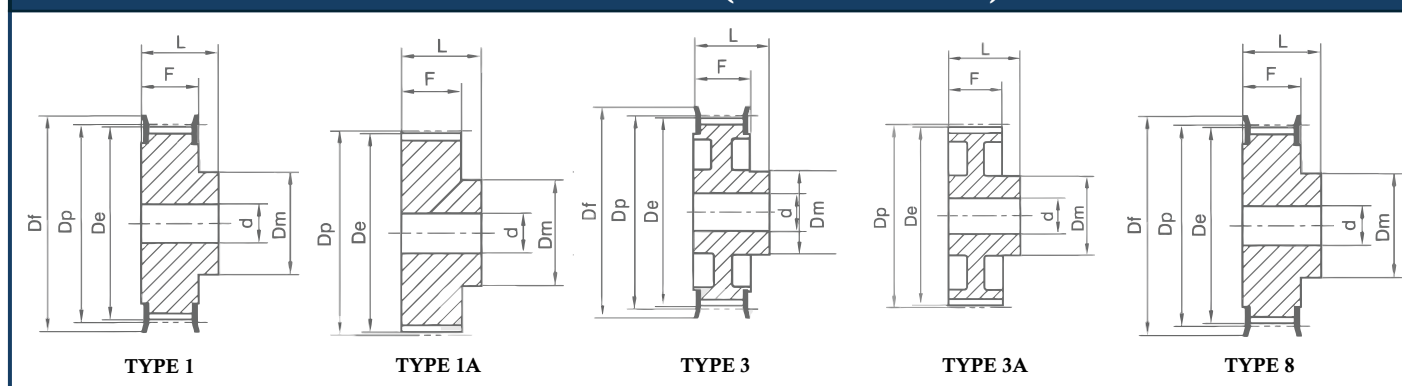
Timing - Pilot Bore

XH - 7/8" (22.225 mm) pitch XH400 - 4.00" (101.6 mm) wide belts



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
PD84XH400	19	5B	HT250	-	594.25	591.46	119	552	160	135
PD94XH400	19	5B	HT250	-	665.00	662.20	119	623	160	135
PD96XH400	19	5B	HT250	-	679.15	676.35	119	637	160	135
PD118XH400	19	5B	HT250	-	834.78	831.99	119	792	160	135
PD120XH400	19	5B	HT250	-	848.93	846.14	119	806	170	135

3mm Pitch 3M-09 (9mm Wide Belt)

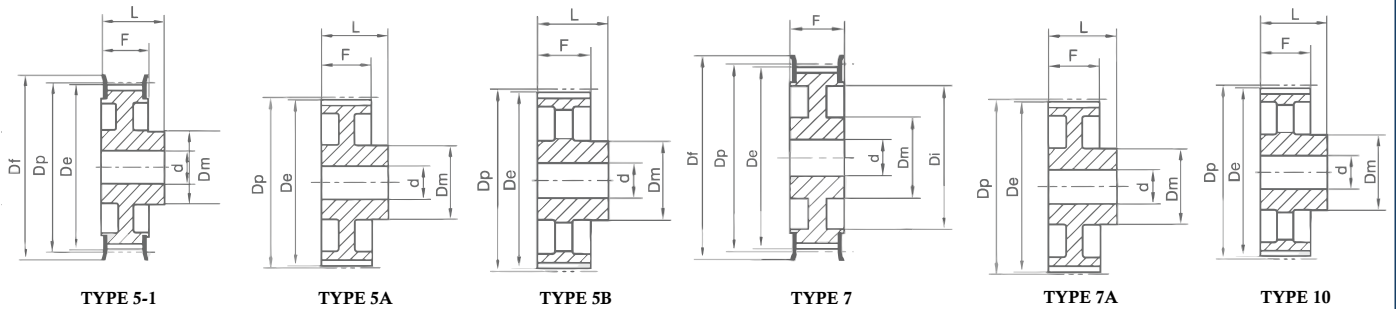


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 10-3M 09	-	2	C45	13.00	9.55	8.79	10.2	-	13	17.5
HD 12-3M 09	-	2	C45	15.00	11.46	10.70	10.2	-	15	17.5
HD 14-3M 09	-	2	C45	16.00	13.37	12.61	10.2	-	18	17.5
HD 15-3M 09	-	2	C45	17.50	14.32	13.56	10.2	-	18	17.5
HD 16-3M 09	-	1	C45	17.50	15.28	14.52	12.8	-	10	20.6
HD 18-3M 09	-	1	C45	20.00	17.19	16.43	12.8	-	10	20.6
HD 20-3M 09	-	1	C45	23.00	19.10	18.34	12.8	-	13	20.6
HD 21-3M 09	-	1	C45	25.00	20.05	19.29	12.8	-	13	20.6
HD 22-3M 09	-	1	C45	25.00	21.01	20.25	12.8	-	13	20.6
HD 24-3M 09	-	1	C45	25.00	22.92	22.16	12.8	-	14	20.6
HD 26-3M 09	-	1	C45	28.00	24.83	24.07	12.8	-	16	20.6
HD 28-3M 09	-	1	C45	32.00	26.74	25.98	12.8	-	18	20.6
HD 30-3M 09	-	1	C45	32.00	28.65	27.89	12.8	-	20	20.6
HD 32-3M 09	-	1	C45	36.00	30.56	29.80	12.8	-	22	20.6
HD 36-3M 09	-	1	C45	39.00	34.38	33.62	13.4	-	26	22.2
HD 40-3M 09	-	1	C45	42.00	38.20	37.44	13.4	-	28	22.2
HD 44-3M 09	-	1	C45	48.00	42.02	41.26	13.4	-	33	22.2
HD 48-3M 09	-	1A	HT250	-	45.84	45.08	13.4	-	33	22.2
HD 60-3M 09	-	1A	HT250	-	57.30	56.54	13.4	-	33	22.2
HD 72-3M 09	-	1A	HT250	-	68.75	67.99	13.4	-	33	22.2

Synchronous Pulleys

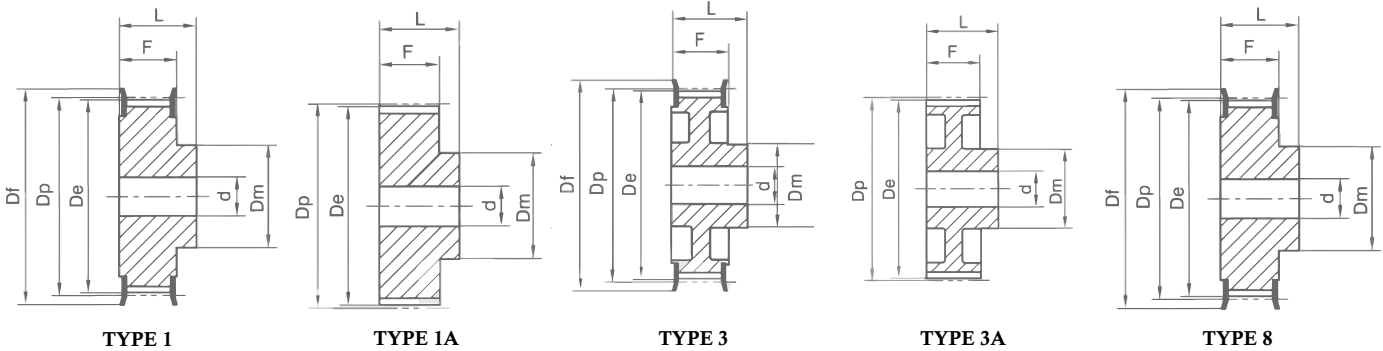
HTD Profile Pilot Bore

3mm Pitch 3M-15 (15mm Wide Belt)



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 10-3M 15	-	2	C45	13.00	9.55	8.79	17	-	13	26
HD 12-3M 15	-	2	C45	15.00	11.46	10.70	17	-	15	26
HD 14-3M 15	-	2	C45	16.00	13.37	12.61	17	-	18	26
HD 15-3M 15	-	2	C45	17.50	14.32	13.56	17	-	18	26
HD 16-3M 15	-	1	C45	17.50	15.28	14.52	19.5	-	10	26
HD 18-3M 15	-	1	C45	20.00	17.19	16.43	19.5	-	10	26
HD 20-3M 15	-	1	C45	23.00	19.10	18.34	19.5	-	13	26
HD 21-3M 15	-	1	C45	25.00	20.05	19.29	19.5	-	13	26
HD 22-3M 15	-	1	C45	25.00	21.01	20.25	19.5	-	13	26
HD 24-3M 15	-	1	C45	25.00	22.92	22.16	19.5	-	14	26
HD 26-3M 15	-	1	C45	28.00	24.83	24.07	19.5	-	16	26
HD 28-3M 15	-	1	C45	32.00	26.74	25.98	19.5	-	18	26
HD 30-3M 15	-	1	C45	32.00	28.65	27.89	19.5	-	20	26
HD 32-3M 15	-	1	C45	36.00	30.56	29.80	19.5	-	22	26
HD 36-3M 15	-	1	C45	39.00	34.38	33.62	20	-	26	30
HD 40-3M 15	-	1	C45	42.00	38.20	37.44	20	-	28	30
HD 44-3M 15	-	1	C45	48.00	42.02	41.26	20	-	33	30
HD 48-3M 15	-	1A	HT250	-	45.84	45.08	20	-	33	30
HD 60-3M 15	-	1A	HT250	-	57.30	56.54	20	-	33	30
HD 72-3M 15	-	1A	HT250	-	68.75	67.99	20	-	33	30

5mm Pitch 5M-09 (9mm Wide Belt)

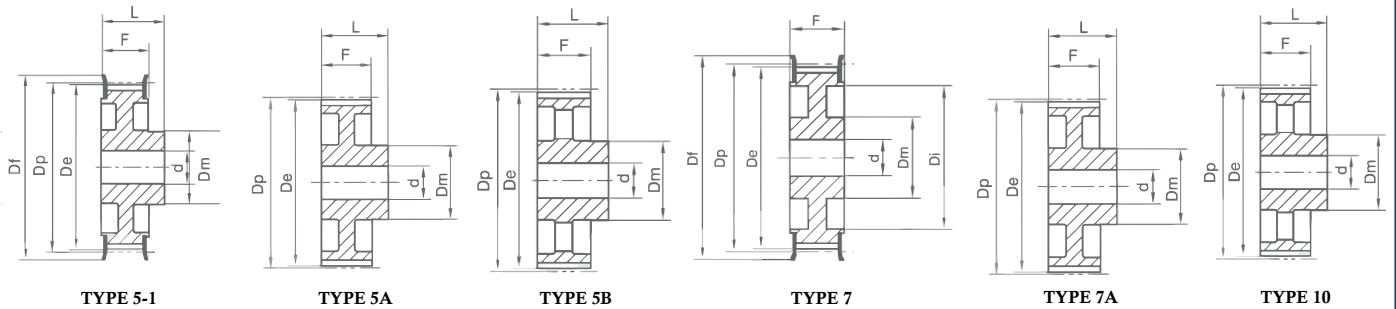


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 12-5M 09	-	1	C45	23.00	19.10	17.96	14.5	-	12	20
HD 14-5M 09	-	1	C45	25.00	22.28	21.14	14.5	-	13	20
HD 15-5M 09	-	1	C45	28.00	23.87	22.73	14.5	-	16	20
HD 16-5M 09	-	1	C45	28.00	25.46	24.32	14.5	-	16.5	20
HD 18-5M 09	-	1	C45	32.00	28.65	27.51	14.5	-	20	20
HD 20-5M 09	-	1	C45	36.00	31.83	30.69	14.5	-	23	22.5
HD 21-5M 09	-	1	C45	38.00	33.42	32.28	14.5	-	24	22.5
HD 22-5M 09	-	1	C45	39.00	35.01	33.87	14.5	-	25.5	22.5
HD 24-5M 09	-	1	C45	42.00	38.20	37.06	14.5	-	27	22.5
HD 26-5M 09	-	1	C45	44.00	41.38	40.24	14.5	-	30	22.5
HD 28-5M 09	-	1	C45	48.00	44.56	43.42	14.5	-	30.5	22.5
HD 30-5M 09	-	1	C45	51.00	47.75	46.61	14.5	-	35	22.5
HD 32-5M 09	-	1	C45	54.00	50.93	49.79	14.5	-	38	22.5
HD 36-5M 09	-	1	C45	60.00	57.30	56.16	14.5	-	38	22.5
HD 40-5M 09	-	1	C45	71.00	63.66	62.52	14.5	-	38	22.5
HD 44-5M 09	-	1A	HT250	-	70.03	68.89	14.5	-	38	25.5
HD 48-5M 09	-	1A	HT250	-	76.39	75.25	14.5	-	45	25.5
HD 60-5M 09	-	1A	HT250	-	95.49	94.35	14.5	-	45	25.5
HD 72-5M 09	-	3A	HT250	-	114.59	113.45	14.5	90	45	25.5

Synchronous Pulleys

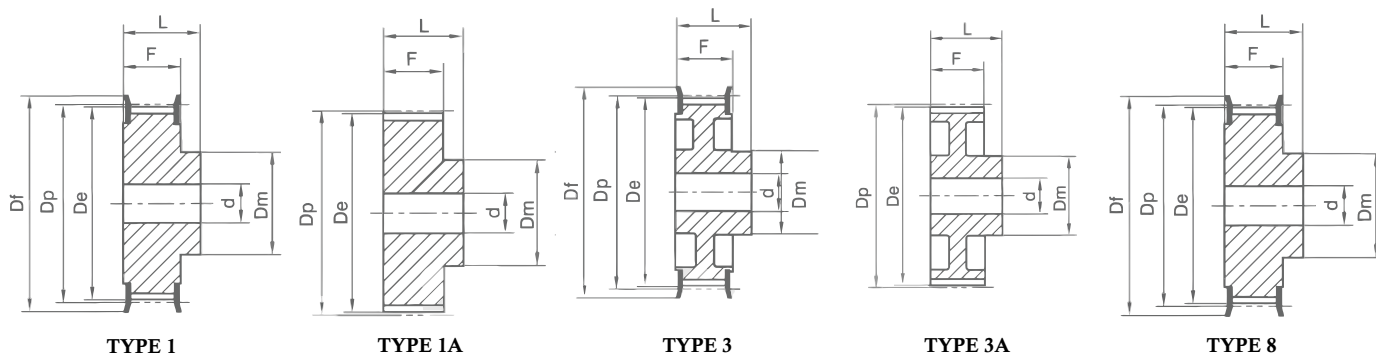
HTD Profile Pilot Bore

5mm Pitch 5M-15 (15mm Wide Belt)



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 12-5M 15	-	1	C45	23.00	19.10	17.96	20.5	-	12	26
HD 14-5M 15	-	1	C45	25.00	22.28	21.14	20.5	-	13	26
HD 15-5M 15	-	1	C45	28.00	23.87	22.73	20.5	-	16	26
HD 16-5M 15	-	1	C45	28.00	25.46	24.32	20.5	-	16.5	26
HD 18-5M 15	-	1	C45	32.00	28.65	27.51	20.5	-	20	26
HD 20-5M 15	-	1	C45	36.00	31.83	30.69	20.5	-	2.3	26
HD 21-5M 15	-	1	C45	38.00	33.42	32.28	20.5	-	24	26
HD 22-5M 15	-	1	C45	39.00	35.01	33.87	20.5	-	25.5	26
HD 24-5M 15	-	1	C45	42.00	38.20	37.06	20.5	-	27	28
HD 26-5M 15	-	1	C45	44.00	41.38	40.24	20.5	-	30	28
HD 28-5M 15	-	1	C45	48.00	44.56	43.42	20.5	-	30.5	28
HD 30-5M 15	-	1	C45	51.00	47.75	46.61	20.5	-	35	28
HD 32-5M 15	-	1	C45	54.00	50.93	49.79	20.5	-	38	28
HD 36-5M 15	-	1	C45	60.00	57.30	56.16	20.5	-	38	28
HD 40-5M 15	-	1	C45	71.00	63.66	62.52	20.5	-	38	28
HD 44-5M 15	-	1A	HT250	-	70.03	68.89	20.5	-	38	30
HD 48-5M 15	-	1A	HT250	-	76.39	75.25	20.5	-	45	30
HD 60-5M 15	-	1A	HT250	-	95.49	94.35	20.5	-	50	30
HD 72-5M 15	-	3A	HT250	-	114.59	113.45	20.5	90	50	30

5mm Pitch 5M-25 (25mm Wide Belt)

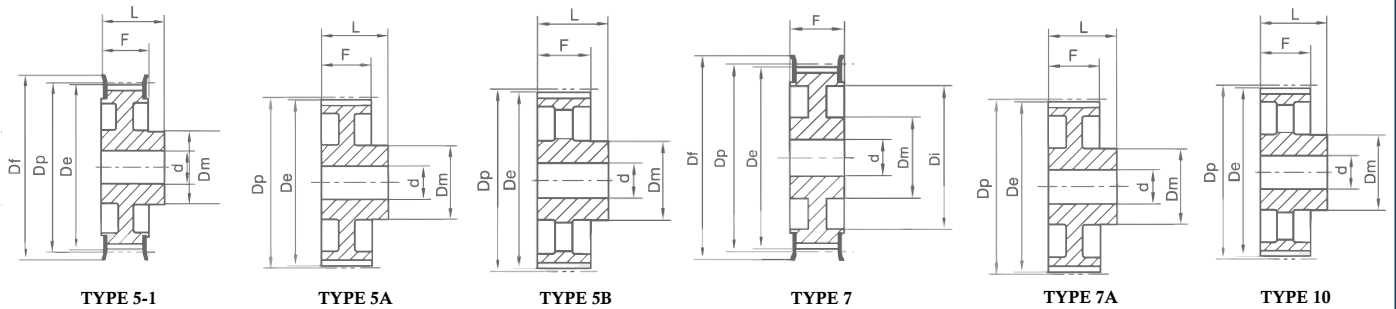


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 12-5M 25	-	1	C45	23.00	19.10	17.96	30	-	12	36
HD 14-5M 25	-	1	C45	25.00	22.28	21.14	30	-	13	36
HD 15-5M 25	-	1	C45	28.00	23.87	22.73	30	-	16	36
HD 16-5M 25	-	1	C45	28.00	25.46	24.32	30	-	16.5	36
HD 18-5M 25	-	1	C45	32.00	28.65	27.51	30	-	20	36
HD 20-5M 25	-	1	C45	36.00	31.83	30.69	30	-	23	36
HD 21-5M 25	-	1	C45	38.00	33.42	32.28	30	-	24	38
HD 22-5M 25	-	1	C45	39.00	35.01	33.87	30	-	25.5	38
HD 24-5M 25	-	1	C45	42.00	38.20	37.06	30	-	27	38
HD 26-5M 25	-	1	C45	44.00	41.38	40.24	30	-	30	38
HD 28-5M 25	-	1	C45	48.00	44.56	43.42	30	-	30.5	38
HD 30-5M 25	-	1	C45	51.00	47.75	46.61	30	-	35	38
HD 32-5M 25	-	1	C45	54.00	50.93	49.79	30	-	38	38
HD 36-5M 25	-	1	C45	60.00	57.30	56.16	30	-	38	38
HD 40-5M 25	-	1	C45	71.00	63.66	62.52	30	-	38	38
HD 44-5M 25	-	1A	HT250	-	70.03	68.89	30	-	38	40
HD 48-5M 25	-	1A	HT250	-	76.39	75.25	30	-	45	40
HD 60-5M 25	-	1A	HT250	-	95.49	94.35	30	-	50	40
HD 72-5M 25	-	3A	HT250	-	114.59	113.45	30	90	50	40

Synchronous Pulleys

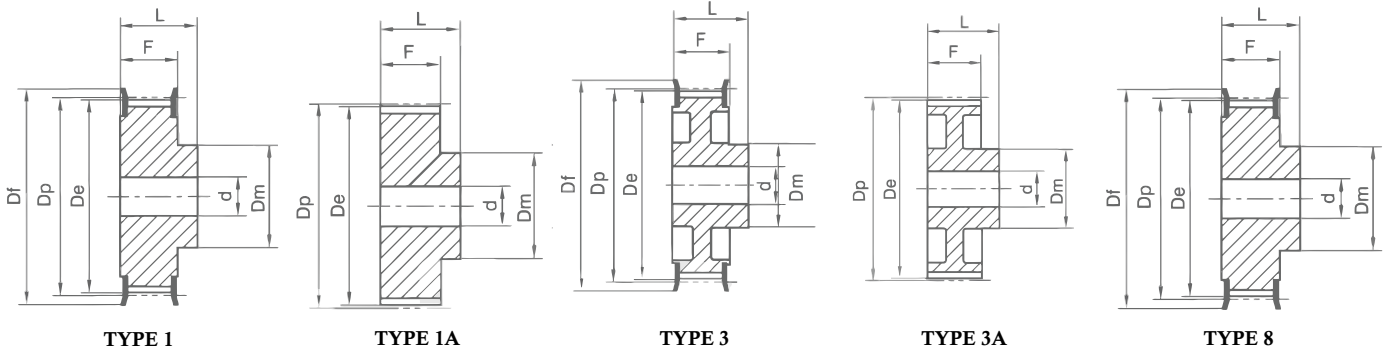
HTD Profile Pilot Bore

8mm Pitch 8M-20 (20mm Wide Belt)



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 18-8M 20	-	1	C45	51.00	45.84	44.46	28	-	32	38
HD 20-8M 20	-	1	C45	57.00	50.93	49.56	28	-	36	38
HD 22-8M 20	-	1	C45	60.00	56.02	54.65	28	-	43	38
HD 24-8M 20	-	1	C45	66.00	61.12	59.74	28	-	45	38
HD 26-8M 20	-	1	C45	70.00	66.21	64.84	28	-	48	38
HD 28-8M 20	-	1	C45	75.00	71.30	70.08	28	-	55	38
HD 30-8M 20	-	1	C45	83.00	76.39	75.13	28	-	60	38
HD 32-8M 20	-	1	C45	87.00	81.49	80.16	28	-	64	38
HD 34-8M 20	-	1	C45	91.00	86.58	85.21	28	-	70	38
HD 36-8M 20	-	1	C45	97.00	91.67	90.30	28	-	75	38
HD 38-8M 20	-	1	C45	102.00	96.77	95.39	28	-	80	38
HD 40-8M 20	-	1	C45	106.00	101.86	100.49	28	-	85	38
HD 44-8M 20	-	1	C45	120.00	112.05	110.67	28	-	96	38
HD 48-8M 20	-	1	C45	128.00	122.23	120.86	28	-	104	38
HD 56-8M 20	12	5-1	C45	150.00	142.60	141.23	28	117	80	38
HD 60-8M 20	12	5-1	C45	158.00	152.79	151.42	28	127	80	38
HD 64-8M 20	12	5-1	C45	168.00	162.97	161.60	28	137	80	38
HD 72-8M 20	12	5-1	C45	192.00	183.35	181.97	28	158	80	38
HD 80-8M 20	12	5A	HT250	-	203.72	202.35	28	179	90	38
HD 84-8M 20	12	5A	HT250	-	213.90	212.53	28	190	90	38
HD 90-8M 20	12	5A	HT250	-	229.18	227.81	28	204	90	38
HD 112-8M 20	18	5B	HT250	-	285.21	283.83	28	260	90	38
HD 144-8M 20	20	5B	HT250	-	366.69	365.32	28	342	90	38
HD 168-8M 20	20	5B	HT250	-	427.81	426.44	28	403	100	38
HD 192-8M 20	20	5B	HT250	-	488.92	487.54	28	465	100	38

8mm Pitch 8M-30 (30mm Wide Belt)

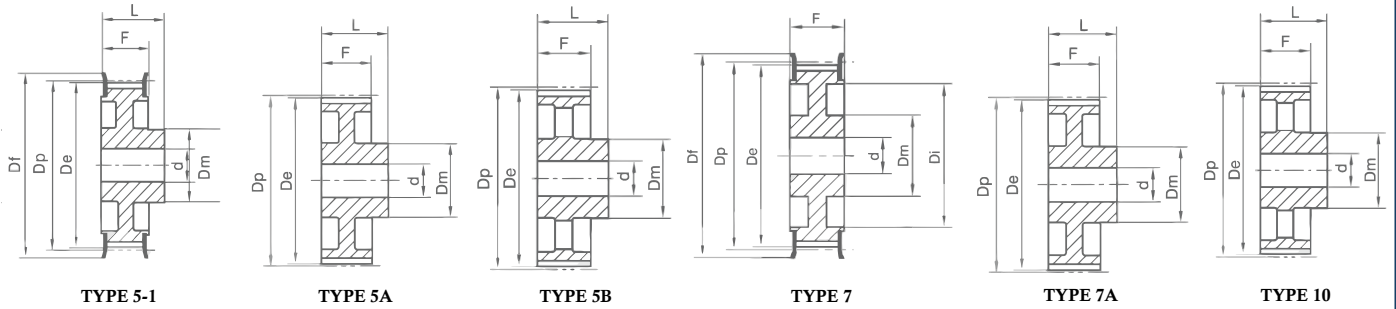


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 18-8M 30	-	1	C45	51.00	45.84	44.46	38	-	32	48
HD 20-8M 30	-	1	C45	57.00	50.93	49.56	38	-	36	48
HD 22-8M 30	-	1	C45	60.00	56.02	54.65	38	-	43	48
HD 24-8M 30	-	1	C45	66.00	61.12	59.74	38	-	45	48
HD 26-8M 30	-	1	C45	70.00	66.21	64.84	38	-	48	48
HD 28-8M 30	-	1	C45	75.00	71.30	70.08	38	-	55	48
HD 30-8M 30	-	1	C45	83.00	76.39	75.13	38	-	60	48
HD 32-8M 30	-	1	C45	87.00	81.49	80.16	38	-	64	48
HD 34-8M 30	-	1	C45	91.00	86.58	85.21	38	-	70	48
HD 36-8M 30	-	1	C45	97.00	91.67	90.30	38	-	75	48
HD 38-8M 30	-	1	C45	102.00	96.77	95.39	38	-	75	48
HD 40-8M 30	-	1	C45	106.00	101.86	100.49	38	-	85	48
HD 44-8M 30	-	1	C45	120.00	112.05	110.67	38	-	96	48
HD 48-8M 30	-	1	C45	128.00	122.23	120.86	38	-	104	48
HD 56-8M 30	12	5-1	C45	150.00	142.60	141.23	38	117	90	48
HD 60-8M 30	12	5-1	C45	158.00	152.79	151.42	38	127	90	48
HD 64-8M 30	12	5-1	C45	168.00	162.97	161.60	38	137	90	48
HD 72-8M 30	12	5-1	C45	192.00	183.35	181.97	38	158	95	48
HD 80-8M 30	12	5A	HT250	-	203.72	202.35	38	179	100	48
HD 84-8M 30	12	5A	HT250	-	213.90	212.53	38	190	100	48
HD 90-8M 30	12	5A	HT250	-	229.18	227.81	38	204	100	48
HD 112-8M 30	18	5B	HT250	-	285.21	283.83	38	260	100	48
HD 144-8M 30	20	5B	HT250	-	366.69	365.32	38	342	100	48
HD 168-8M 30	20	5B	HT250	-	427.81	426.44	38	403	100	48
HD 192-8M 30	20	5B	HT250	-	488.92	487.54	38	465	100	48

Synchronous Pulleys

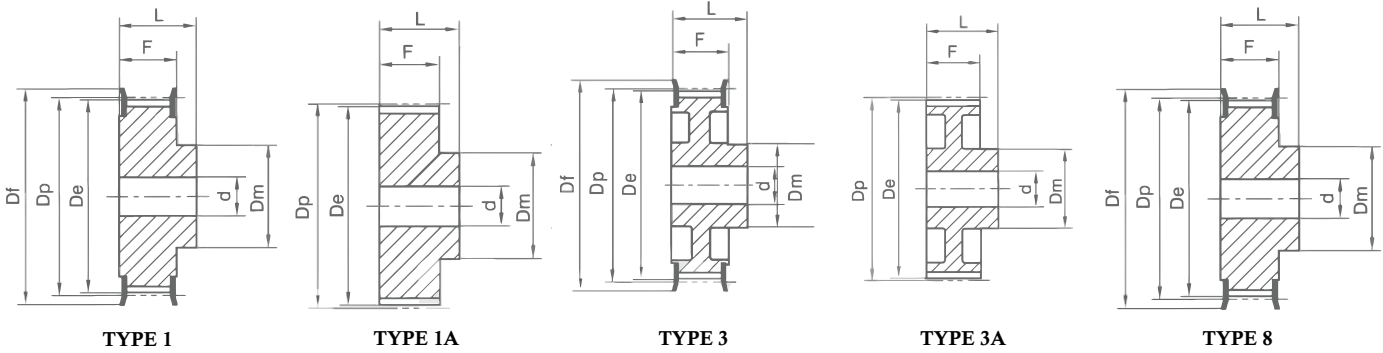
HTD Profile Pilot Bore

8mm Pitch 8M-50 (50mm Wide Belt)



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 18-8M 50	-	1	C45	51.00	45.84	44.46	60	-	32	70
HD 20-8M 50	-	1	C45	57.00	50.93	49.56	60	-	36	70
HD 22-8M 50	-	1	C45	60.00	56.02	54.65	60	-	43	70
HD 24-8M 50	-	1	C45	66.00	61.12	59.74	60	-	49	70
HD 26-8M 50	-	1	C45	70.00	66.21	64.84	60	-	50	70
HD 28-8M 50	-	1	C45	75.00	71.30	70.08	60	-	55	70
HD 30-8M 50	-	1	C45	83.00	76.39	75.13	60	-	60	70
HD 32-8M 50	-	1	C45	87.00	81.49	80.16	60	-	64	70
HD 34-8M 50	-	1	C45	91.00	86.58	85.21	60	-	70	70
HD 36-8M 50	-	1	C45	97.00	91.67	90.30	60	-	75	70
HD 38-8M 50	-	1	C45	102.00	96.77	95.39	60	-	80	70
HD 40-8M 50	-	1	C45	106.00	101.86	100.49	60	-	85	70
HD 44-8M 50	-	1	C45	120.00	112.05	110.67	60	-	96	70
HD 48-8M 50	-	1	C45	128.00	122.23	120.86	60	-	104	70
HD 56-8M 50	18	7	C45	150.00	142.60	141.23	60	117	90	60
HD 60-8M 50	18	7	C45	158.00	152.79	151.42	60	127	100	60
HD 64-8M 50	18	7	C45	168.00	162.97	161.60	60	137	100	60
HD 72-8M 50	18	7	C45	192.00	183.35	181.97	60	158	100	60
HD 80-8M 50	18	7A	HT250	-	203.72	202.35	60	179	110	60
HD 84-8M 50	18	7B	HT250	-	213.90	212.53	60	190	110	60
HD 90-8M 50	18	7B	HT250	-	229.18	227.81	60	204	110	60
HD 112-8M 50	18	7B	HT250	-	285.21	283.83	60	260	110	60
HD 144-8M 50	20	7B	HT250	-	366.69	365.32	60	342	110	60
HD 168-8M 50	20	7B	HT250	-	427.81	426.44	60	403	120	60
HD 192-8M 50	20	7B	HT250	-	488.92	487.54	60	465	130	60

8mm Pitch 8M-85 (85mm Wide Belt)

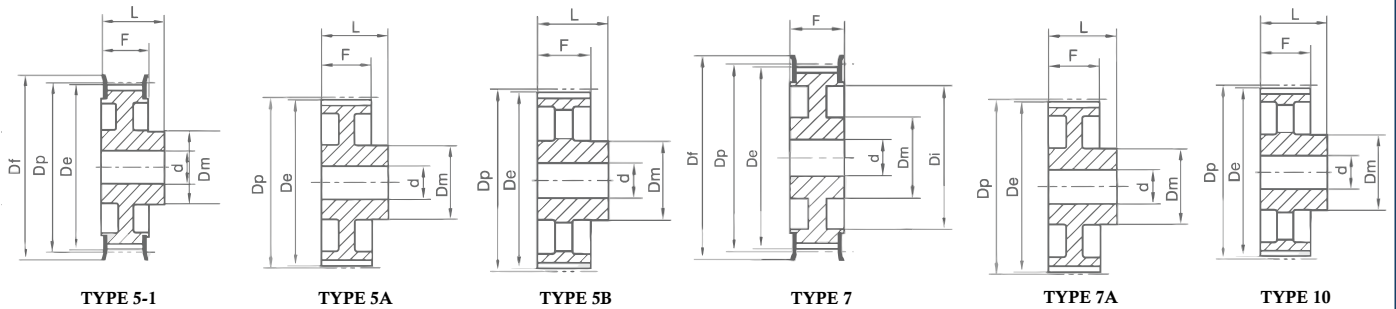


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 22-8M 85	-	1	C45	60.00	56.02	54.65	95	-	43	105
HD 24-8M 85	-	1	C45	66.00	61.12	59.74	95	-	45	105
HD 26-8M 85	-	1	C45	70.00	66.21	64.84	95	-	48	105
HD 28-8M 85	-	1	C45	75.00	71.30	70.08	95	-	55	105
HD 30-8M 85	-	1	C45	83.00	76.39	75.13	95	-	60	105
HD 32-8M 85	-	1	C45	87.00	81.49	80.16	95	-	64	105
HD 34-8M 85	-	1	C45	91.00	86.58	85.21	95	-	70	105
HD 36-8M 85	-	1	C45	97.00	91.67	90.30	95	-	75	105
HD 38-8M 85	-	1	C45	102.00	96.77	95.39	95	-	80	105
HD 40-8M 85	-	1	C45	106.00	101.86	100.49	95	-	85	105
HD 44-8M 85	-	1	C45	120.00	112.05	110.67	95	-	96	105
HD 48-8M 85	-	1	C45	128.00	122.23	120.86	95	-	100	105
HD 56-8M 85	-	1	C45	150.00	142.60	141.23	95	-	107	105
HD 60-8M 85	-	1	C45	158.00	152.79	151.42	95	-	132	105
HD 64-8M 85	18	7	C45	168.00	162.97	161.60	95	137	100	95
HD 72-8M 85	18	7	C45	192.00	183.35	181.97	95	158	110	95
HD 80-8M 85	20	7A	HT250	-	203.72	202.35	95	179	110	95
HD 84-8M 85	20	7A	HT250	-	213.90	212.53	95	190	110	95
HD 90-8M 85	20	7B	HT250	-	229.18	227.81	95	204	110	95
HD 112-8M 85	24	7B	HT250	-	285.21	283.83	95	260	110	95
HD 144-8M 85	24	7B	HT250	-	366.69	365.32	95	342	120	95
HD 168-8M 85	24	7B	HT250	-	427.81	426.44	95	403	120	95
HD 192-8M 85	24	7B	HT250	-	488.92	487.54	95	465	130	95

Synchronous Pulleys

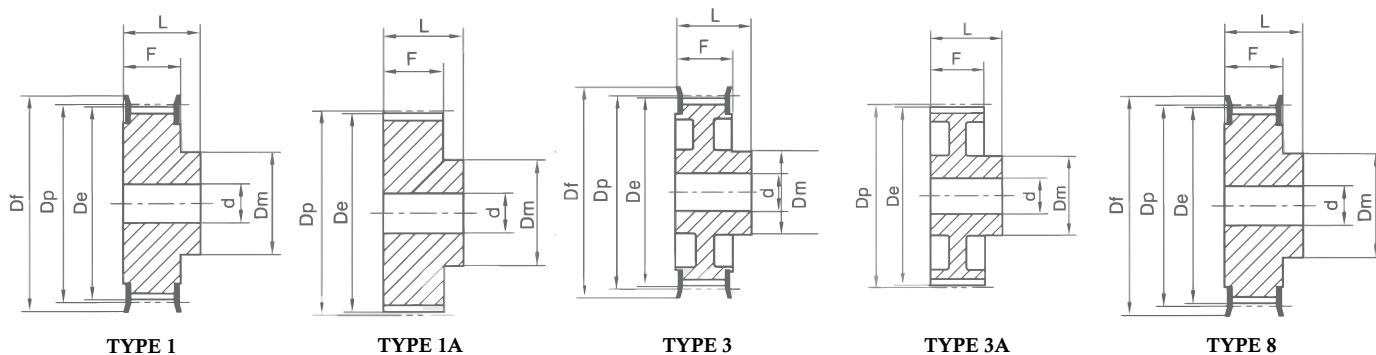
HTD Profile Pilot Bore

14mm Pitch 14M-40 (40mm Wide Belt)



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 28-14M 40	-	1	C45	128.00	124.78	122.12	54	-	100	69
HD 29-14M 40	-	1	C45	138.00	129.23	126.57	54	-	107	69
HD 30-14M 40	-	1	C45	138.00	133.69	130.99	54	-	107	69
HD 32-14M 40	-	1	C45	154.00	142.60	139.88	54	-	114	69
HD 34-14M 40	-	1	C45	160.00	151.52	148.79	54	-	122	69
HD 36-14M 40	-	1	C45	168.00	160.43	157.68	54	-	128	69
HD 38-14M 40	-	1	C45	183.00	169.34	166.60	54	-	141	69
HD 40-14M 40	-	1	C45	198.00	178.25	175.49	54	-	148	69
HD 44-14M 40	24	5-1	C45	211.00	196.08	193.28	54	154	120	69
HD 48-14M 40	24	5-1	C45	226.00	213.90	211.11	54	172	135	69
HD 56-14M 40	28	5-1	C45	256.00	249.56	246.76	54	207	135	69
HD 60-14M 40	28	5-1	C45	275.00	267.38	264.59	54	225	135	69
HD 64-14M 40	28	5-1	HT250	296.00	285.21	282.41	54	243	135	69
HD 72-14M 40	28	5B	HT250	-	320.86	318.06	54	279	135	69
HD 80-14M 40	28	5B	HT250	-	356.51	353.71	54	314	135	69
HD 84-14M 40	28	5B	HT250	-	374.33	371.54	54	332	135	69
HD 90-14M 40	28	5B	HT250	-	401.07	398.28	54	359	135	69
HD 112-14M 40	28	5B	HT250	-	499.11	496.32	54	457	135	69
HD 144-14M 40	28	5B	HT250	-	641.71	638.92	54	600	135	69

14mm Pitch 14M-55 (55mm Wide Belt)

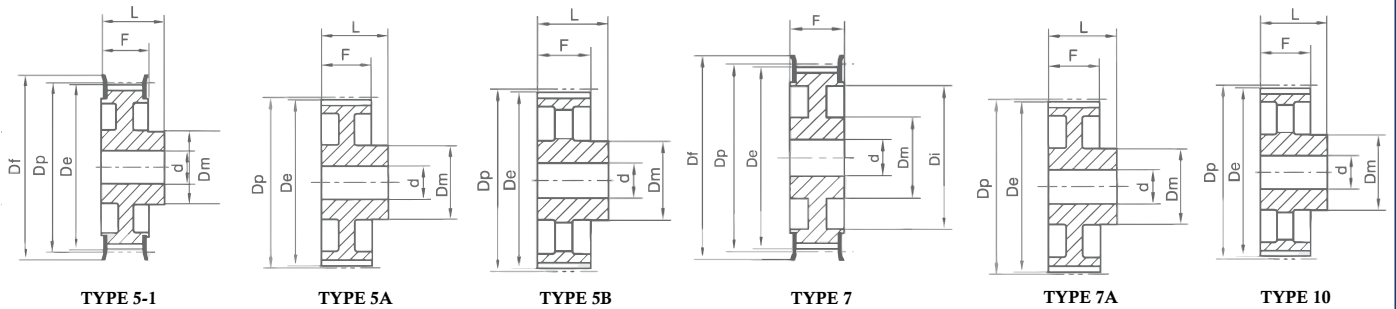


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 28-14M 55	-	1	C45	128.00	124.78	122.12	70	-	100	85
HD 29-14M 55	-	1	C45	138.00	129.23	126.57	70	-	107	85
HD 30-14M 55	-	1	C45	138.00	133.69	130.99	70	-	107	85
HD 32-14M 55	-	1	C45	154.00	142.60	139.88	70	-	114	85
HD 34-14M 55	-	1	C45	160.00	151.52	148.79	70	-	122	85
HD 36-14M 55	-	1	C45	168.00	160.43	157.68	70	-	128	85
HD 38-14M 55	-	1	C45	183.00	169.34	166.60	70	-	141	85
HD 40-14M 55	-	1	C45	198.00	178.25	175.49	70	-	148	85
HD 44-14M 55	24	5	C45	211.00	196.08	193.28	70	154	120	85
HD 48-14M 55	28	7	C45	226.00	213.90	211.11	70	172	135	70
HD 56-14M 55	28	7	C45	256.00	249.56	246.76	70	207	135	70
HD 60-14M 55	28	7	C45	275.00	267.38	264.59	70	225	135	70
HD 64-14M 55	28	7	HT250	296.00	285.21	282.41	70	243	135	70
HD 72-14M 55	28	7B	HT250	-	320.86	318.06	70	279	135	70
HD 80-14M 55	28	7B	HT250	-	356.51	353.71	70	314	135	70
HD 84-14M 55	28	7B	HT250	-	374.33	371.54	70	332	135	70
HD 90-14M 55	28	7B	HT250	-	401.07	398.28	70	359	135	70
HD 112-14M 55	28	7B	HT250	-	499.11	496.32	70	457	135	70
HD 144-14M 55	28	7B	HT250	-	641.71	638.92	70	600	135	70

Synchronous Pulleys

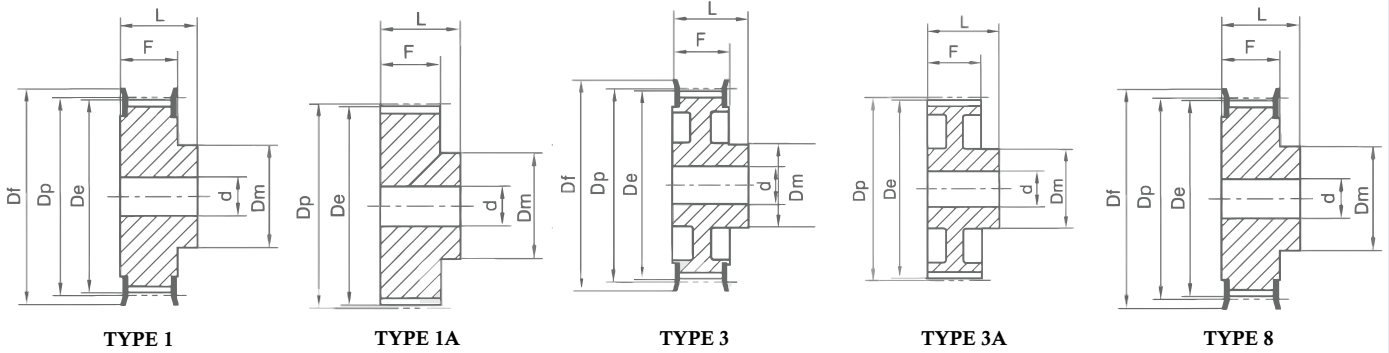
HTD Profile Pilot Bore

14mm Pitch 14M-85 (85mm Wide Belt)



DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 28-14M 85	-	1	C45	128.00	124.78	122.12	102	-	100	117
HD 29-14M 85	-	1	C45	138.00	129.23	126.57	102	-	107	117
HD 30-14M 85	-	1	C45	138.00	133.69	130.99	102	-	107	117
HD 32-14M 85	-	1	C45	154.00	142.60	139.88	102	-	114	117
HD 34-14M 85	-	1	C45	160.00	151.52	148.79	102	-	122	117
HD 36-14M 85	-	1	C45	168.00	160.43	157.68	102	-	128	117
HD 38-14M 85	-	1	C45	183.00	169.34	166.60	102	-	141	117
HD 40-14M 85	-	1	C45	198.00	178.25	175.49	102	-	148	117
HD 44-14M 85	-	1	C45	211.00	196.08	193.28	102	-	150	117
HD 48-14M 85	-	1	C45	226.00	213.90	211.11	102	-	150	117
HD 56-14M 85	32	7	C45	256.00	249.56	246.76	102	207	150	102
HD 60-14M 85	32	7	C45	275.00	267.38	264.59	102	225	150	102
HD 64-14M 85	32	7	HT250	296.00	285.21	282.41	102	243	150	102
HD 72-14M 85	32	7B	HT250	-	320.86	318.06	102	279	150	102
HD 80-14M 85	32	7B	HT250	-	356.51	353.71	102	314	150	102
HD 84-14M 85	32	7B	HT250	-	374.33	371.54	102	332	150	102
HD 90-14M 85	32	7B	HT250	-	401.07	398.28	102	359	150	102
HD 112-14M 85	32	7B	HT250	-	499.11	496.32	102	457	150	102
HD 144-14M 85	32	7B	HT250	-	641.71	638.92	102	600	150	102

14mm Pitch 14M-115 (115mm Wide Belt)

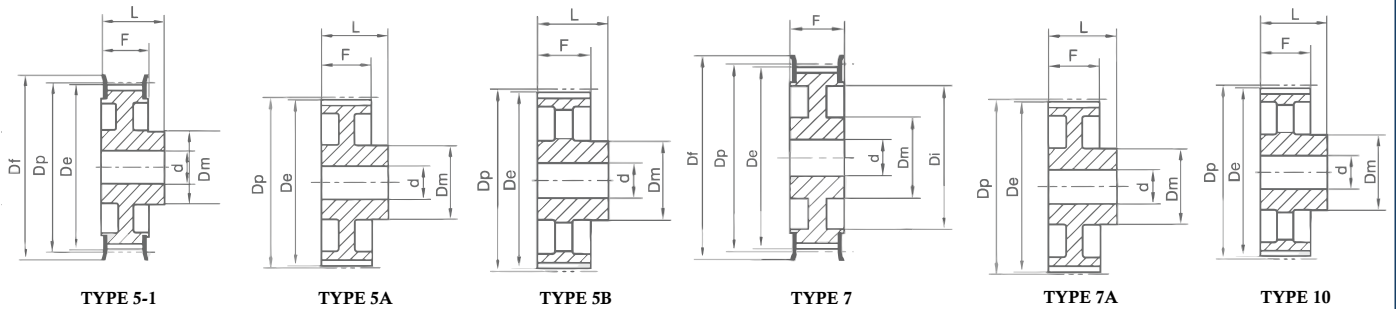


DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 28-14M 115	-	1	C45	128.00	124.78	122.12	187	-	100	202
HD 29-14M 115	-	1	C45	138.00	129.23	126.57	133	-	107	148
HD 30-14M 115	-	1	C45	138.00	133.69	130.99	133	-	107	148
HD 32-14M 115	-	1	C45	154.00	142.60	139.88	133	-	114	148
HD 34-14M 115	-	1	C45	160.00	151.52	148.79	133	-	122	148
HD 36-14M 115	-	1	C45	168.00	160.43	157.68	133	-	128	148
HD 38-14M 115	-	1	C45	183.00	169.34	166.60	133	-	141	148
HD 40-14M 115	-	1	C45	198.00	178.25	175.49	133	-	148	148
HD 44-14M 115	-	1	C45	211.00	196.08	193.28	133	-	150	148
HD 48-14M 115	-	1	C45	226.00	213.90	211.11	133	-	150	148
HD 56-14M 115	32	5	C45	256.00	249.56	246.76	133	207	150	148
HD 60-14M 115	32	7	C45	290.00	267.38	264.59	133	225	150	133
HD 64-14M 115	32	7	HT250	296.00	285.21	282.41	133	243	150	133
HD 72-14M 115	32	7B	HT250	-	320.86	318.06	133	279	150	133
HD 80-14M 115	32	7B	HT250	-	356.51	353.71	133	314	150	133
HD 84-14M 115	32	7B	HT250	-	374.33	371.54	133	332	150	133
HD 90-14M 115	32	7B	HT250	-	401.07	398.28	133	359	150	133
HD 112-14M 115	32	7B	HT250	-	499.11	496.32	133	457	150	133
HD 144-14M 115	32	7B	HT250	-	641.71	638.92	133	600	150	133

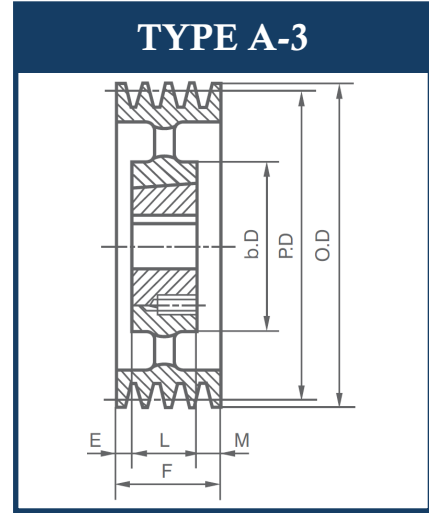
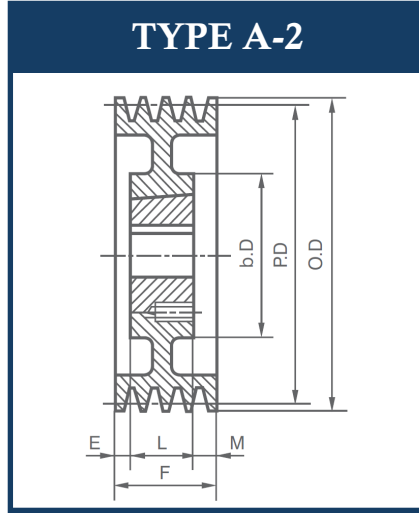
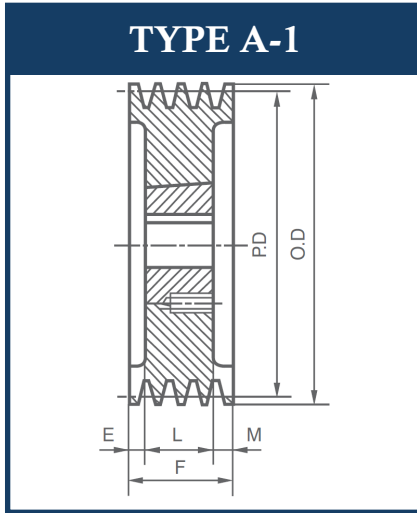
Synchronous Pulleys

HTD Profile Pilot Bore

14mm Pitch 14M-170 (170mm Wide Belt)



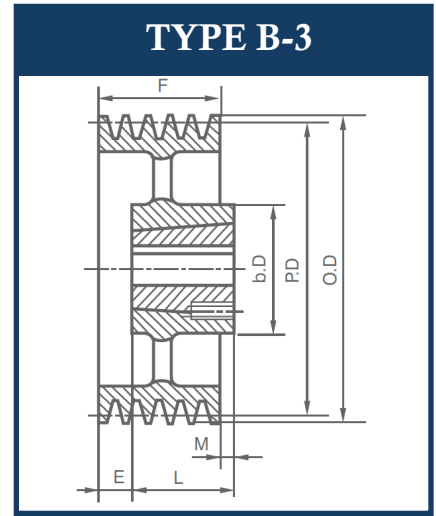
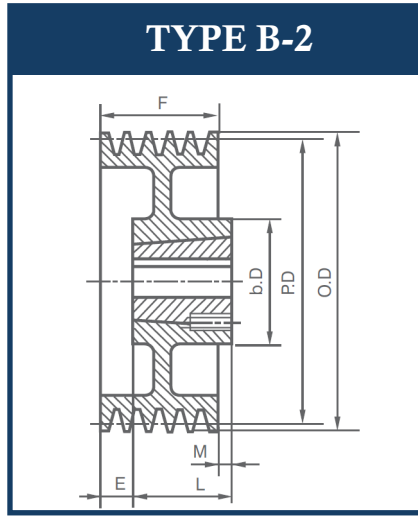
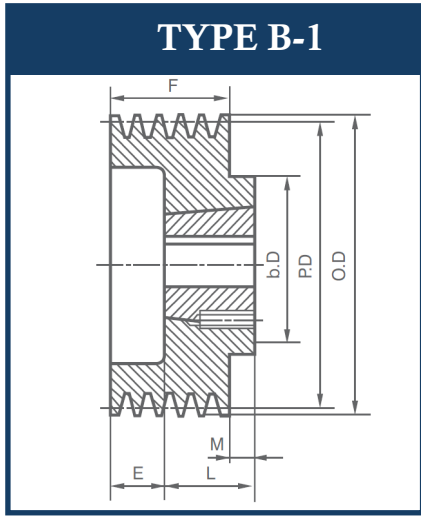
DESIGNATION	BUSH	TYPE	MATERIAL	Df	Dp	De	F	Di	Dm	L
HD 28-14M 170	-	1	C45	128.00	124.78	122.12	187	-	100	202
HD 29-14M 170	-	1	C45	138.00	129.23	126.57	187	-	107	202
HD 30-14M 170	-	1	C45	138.00	133.69	130.99	187	-	107	202
HD 32-14M 170	-	1	C45	154.00	142.60	139.88	187	-	114	202
HD 34-14M 170	-	1	C45	160.00	151.52	148.79	187	-	122	202
HD 36-14M 170	-	1	C45	168.00	160.43	157.68	187	-	128	202
HD 38-14M 170	-	1	C45	183.00	169.34	166.60	187	-	141	202
HD 40-14M 170	-	1	C45	198.00	178.25	175.49	187	-	148	202
HD 44-14M 170	-	1	C45	211.00	196.08	193.28	187	-	169	202
HD 48-14M 170	-	1	C45	226.00	213.90	211.11	187	-	186	202
HD 56-14M 170	32	5	C45	256.00	249.56	246.76	187	207	160	202
HD 60-14M 170	32	5	C45	290.00	267.38	264.59	187	225	160	202
HD 64-14M 170	32	5	HT250	296.00	285.21	282.41	187	243	180	202
HD 72-14M 170	32	7A	HT250	-	320.86	318.06	187	279	180	187
HD 80-14M 170	32	7A	HT250	-	356.51	353.71	187	314	180	187
HD 84-14M 170	32	7B	HT250	-	374.33	371.54	187	332	180	187
HD 90-14M 170	32	7B	HT250	-	401.07	398.28	187	359	180	187
HD 112-14M 170	32	7B	HT250	-	499.11	496.32	187	456	200	187
HD 144-14M 170	32	7B	HT250	-	641.71	638.92	187	600	220	187



SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
1-3V265-1108	2.65	2.60	11/8	1108	C1		3/16	7/8	-	0.75
1-3V280-1108	2.80	2.75	11/8	1108	C1		3/16	7/8	-	0.85
1-3V300-1108	3.00	2.95	11/8	1108	C1		3/16	7/8		1.00
1-3V315-1108	3.15	3.10	11/8	1108	C1		3/16	7/8		1.00
1-3C335-1610	3.35	3.30	15/8	1610	B1	35/16	-	1	5/16	1.10
1 3V365-1610	3.65	3.60	15/8	1610	B1	35/16	-	1	5/16	1.30
1-3V412-1610	4.12	4.07	15/8	1610	B1	35/16	-	1	5/16	2.00
1-3V450-1610	4.50	4.45	15/8	1610	B1	35/16	-	1	5/16	2.30
1-3V475-1610	4.75	4.70	15/8	1610	B1	35/16	-	1	5/16	2.60
1-3V500-1610	5.00	4.95	15/8	1610	B1	35/16		1	5/16	2.90
1-3V530-1610	5.30	5.25	15/8	1610	B1	35/16	-	1	5/16	3.30
1-3V560-1610	5.60	5.55	15/8	1610	B1	35/16	-	1	5/16	3.70
1-3V600-1610	6.00	5.95	15/8	1610	B1	35/16	-	1	5/16	4.20
1-3V650-1610	6.50	6.45	15/8	1610	B1	35/16	-	1	5/16	5.00
1-3V690-1610	6.90	6.85	15/8	1610	B2	35/16	-	1	5/16	5.60
1-3V 800-2517	8.00	7.95	21/2	2517	B2	43/4	-	13/4	11/16	8.50
1-3V1060-2517	10.60	10.55	21/2	2517	B2	43/4	-	13/4	11/16	14.00
1-3V1400-2517*	14.00	13.95	21/2	2517	B3	43/4	-	13/4	15/16	20.00
1-3V1900-3020*	19.00	18.95	3	3020	B3	511/16	-	2	13/16	26.00
2-3V265-1108	2.65	2.60	11/8	1108	A1		7/32	7/8	-	0.75
2-3V280-1108	2.80	2.75	11/8	1108	A1	-	7/32	7/8	-	0.90
2-3V300-1210	3.00	2.95	11/4	1210	A1	-	3/32	1		1.40
2-3V315-1210	3.15	3.10	11/4	1210	A1	-	3/32	1		1.40
2-3V335-1610	3.35	3.30	15/8	1610	A1	-	3/32	1		1.50
2 3V365-1610	3.65	3.60	15/8	1610	A1	-	3/32	1	-	1.60
2-3V412-1610	4.12	4.07	15/8	1610	A1	-	3/32	1		2.10
2-3V450-1610	4.50	4.45	15/8	1610	A1	-	3/32	1		2.70
2-3V475-1610	4.75	4.70	15/8	1610	A1	-	3/32	1		3.10
2-3V500-1610	5.00	4.95	15/8	1610	A1	-	3/32	1	-	3.60
2-3V530-1610	5.30	5.25	15/8	1610	A1	-	3/32	1	-	4.20
2-3V560-1610	5.60	5.55	15/8	1610	A1	-	3/32	1		4.80
2-3V600-1610	6.00	5.95	15/8	1610	A1	-	3/32	1		5.80

V-pulleys

3v-BTL Taper bushing

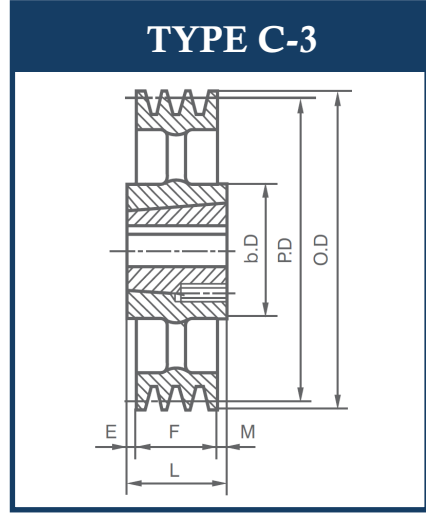
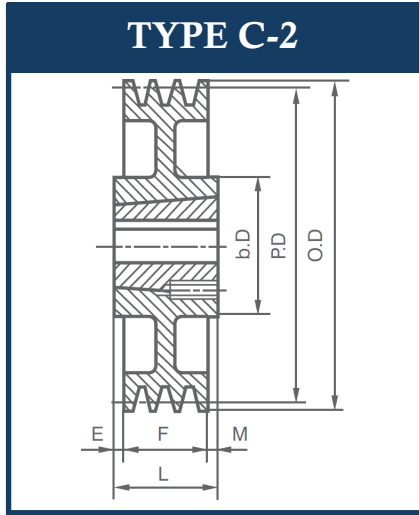
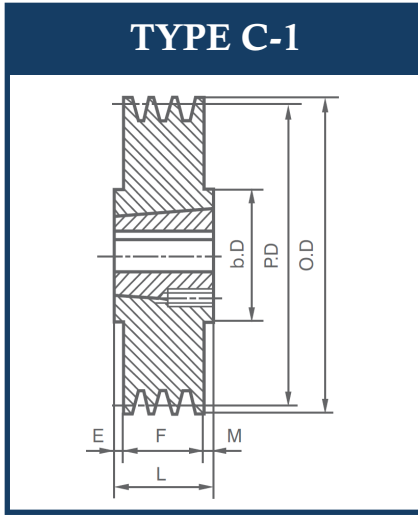


SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
2-3V650-1610	6.50	6.45	15/8	1610	A1		3/32	1		7.00
2-3V690-1610	6.90	6.85	15/8	1610	A2	35/16	3/32	1		8.00
2-3V 800-2517	8.00	7.95	21/2	2517	B2	43/4	-	13/4	21/32	11
2-3V1060-2517	10.60	10.55	21/2	2517	B2	43/4	-	13/4	21/32	15
2-3V1400-2517	14.00	13.95	21/2	2517	B3	43/4	-	13/4	21/32	22
2-3V1900-3020	19.00	18.95	3	3020	B3	511/16	-	2	29/32	32
2-3V2500-3020	25.00	24.95	3	3020	C3	511/16	1/8	2	25/32	45
3-3V265-1108	2.65	2.60	11/8	1108	A1	-	5/8	7/8	-	1.0
3-3V280-1108	2.80	2.75	11/8	1108	A1	-	5/8	7/8	-	1.1
3-3V300-1210	3.00	2.95	11/4	1210	A1	-	1/2	1	-	1.8
3-3V315-1210	3.15	3.10	11/4	1210	A1	-	1/2	1		1.8
3-3V335-1610	3.35	3.30	15/8	1610	A1	-	1/2	1		1.9
3-3V365-1610	3.65	3.60	15/8	1610	A1	-	1/2	1	-	2.0
3-3V412-1610	4.12	4.07	15/8	1610	A1	-	1/2	1	-	2.6
3-3V450-1610	4.50	4.45	15/8	1610	A1	-	1/2	1	-	3.2
3-3V475-1610	4.75	4.70	15/8	1610	A1	-	1/2	1	-	3.7
3-3V500-1610	5.00	4.95	15/8	1610	A1	-	1/2	1	-	4.2
3-3V530-1610	5.30	5.25	15/8	1610	A1	-	1/2	1	-	4.8
3-3V560-1610	5.60	5.55	15/8	1610	A1	-	1/2	1		5.5
3-3V600-2517	6.00	5.95	21/2	2517	B1	43/4	-	13/4	1/4	7.4
3-3V650-2517	6.50	6.45	21/2	2517	B1	43/4	-	13/4	1/4	9.1
3-3V690-2517	6.90	6.85	21/2	2517	B1	43/4	-	13/4	1/4	10
3-3V 800-2517	8.00	7.95	21/2	2517	B2	43/4	-	13/4	1/4	15
3-3V1060-2517	10.60	10.55	21/2	2517	B2	43/4	-	13/4	1/4	18
3-3V1400-2517	14.00	13.95	21/2	2517	B3	43/4	-	13/4	1/4	25
3-3V1900-3020	19.00	18.95	3	3020	B3	511/16	-	2	1/2	34
3-3V2500-3020	25.00	24.95	3	3020	B3	511/16	-	2	1/2	49
3-3V3350-3020	33.50	33.45	3	3020	C3	511/16	1/4	2	1/4	67
4-3V265-1108	2.65	2.60	11/8	1108	A1	-	11/32	7/8	-	1.2
4-3V280-1108	2.80	2.75	11/8	1108	A1	-	11/32	7/8		1.3
4-3V300-1210	3.00	2.95	11/4	1210	A1	-	29/32	1	-	1.9
4-3V315-1210	3.15	3.10	11/4	1210	A1	-	29/32	1	-	2.1

All dimensions in millimeters unless otherwise stated.

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3v-BTL Taper bushing



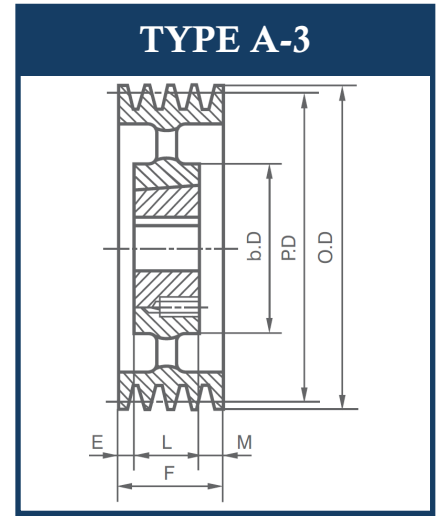
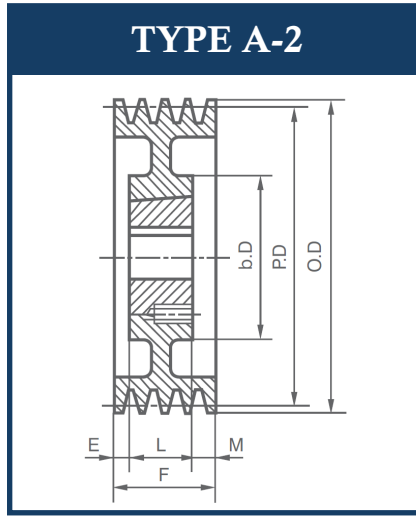
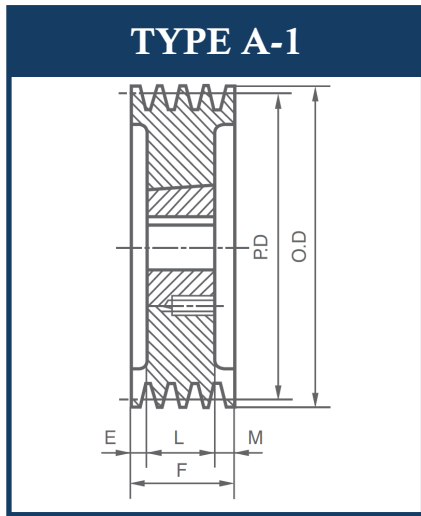
SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
4-3V335-1610	3.35	3.30	15/8	1610	A1	-	29/32	1	-	2.2
4-3V365-1610	3.65	3.60	15/8	1610	A1	-	29/32	1	-	2.6
4-3V412-1610	4.12	4.07	15/8	1610	A1	-	29/32	1	-	3.0
4-3V450-2517	4.50	4.45	15/8	1610	A1	-	29/32	1	-	3.7
4-3V475-2517	4.75	4.70	15/8	1610	A1	-	29/32	1	-	4.2
4-3V500-2517	5.00	4.95	15/8	1610	A1	-	29/32	1	-	4.8
4-3V530-1610	5.30	5.25	15/8	1610	A1	-	29/32	1	-	5.5
4-3V560-1610	5.60	5.55	15/8	1610	A1	-	29/32	1	-	6.2
4-3V600-2517	6.00	5.95	21/2	2517	A1	-	5/32	13/4	-	8.0
4-3V650-2517	6.50	6.45	21/2	2517	A1	-	5/32	13/4	-	10
4-3V690-2517	6.90	6.85	21/2	2517	A1	-	5/32	13/4	-	12
4-3V 800-2517	8.00	7.95	21/2	2517	A2	43/4	5/32	13/4	-	18
4-3V1060-2517	10.60	10.55	21/2	2517	A2	43/4	5/32	13/4	-	20
4-3V1400-2517	14.00	13.95	21/2	2517	A3	43/4	-	13/4	5/32	21
4-3V1900-3020	19.00	18.95	3	3020	B3	511/16	-	2	3/32	45
4-3V2500-3020	25.00	24.95	3	3020	B3	511/16	-	2	3/32	63
4-3V3350-3030	33.50	33.45	3	3030	C3	511/16	35/64	3	35/64	81
5-3V475-2517	4.75	4.70	21/2	2517	A1	-	9/16	13/4	-	3.8
5-3V500-2517	5.00	4.95	21/2	2517	A1	-	9/16	13/4	-	4.8
5-3V530-2517	5.30	5.25	21/2	2517	A1	-	9/16	13/4	-	5.9
5-3V560-2517	5.60	5.55	21/2	2517	A1	-	9/16	13/4	-	7.0
5-3V600-2517	6.00	5.95	21/2	2517	A1	-	9/16	13/4	-	8.7
5-3V650-2517	6.50	6.45	21/2	2517	A1	-	9/16	13/4	-	11.0
5-3V690-2517	6.90	6.85	21/2	2517	A1	-	9/16	13/4	-	13.0
5-3V 800-2517	8.00	7.95	21/2	2517	A2	43/4	9/16	13/4	-	19.0
5-3V1060-2517	10.60	10.55	21/2	2517	A2	43/4	9/16	13/4	-	26.0
5-3V1400-2517	14.00	13.95	21/2	2517	A3	43/4	-	13/4	9/16	34.0
5-3V1900-3030	19.00	18.95	3	3030	B3	511/16	-	3	11/16	47.0
5-3V2500-3030	25.00	24.95	3	3030	B3	511/16	-	3	11/16	66.0
5-3V3350-3030	33.50	33.45	3	3030	C3	511/16	11/32	3	11/32	86.0
6-3V475-2517	4.75	4.70	21/2	2517	A1	-	31/32	13/4	-	4.4
6-3V500-2517	5.00	4.95	21/2	2517	A1	-	31/32	13/4	-	5.4

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V-pulleys

3v-BTL Taper bushing

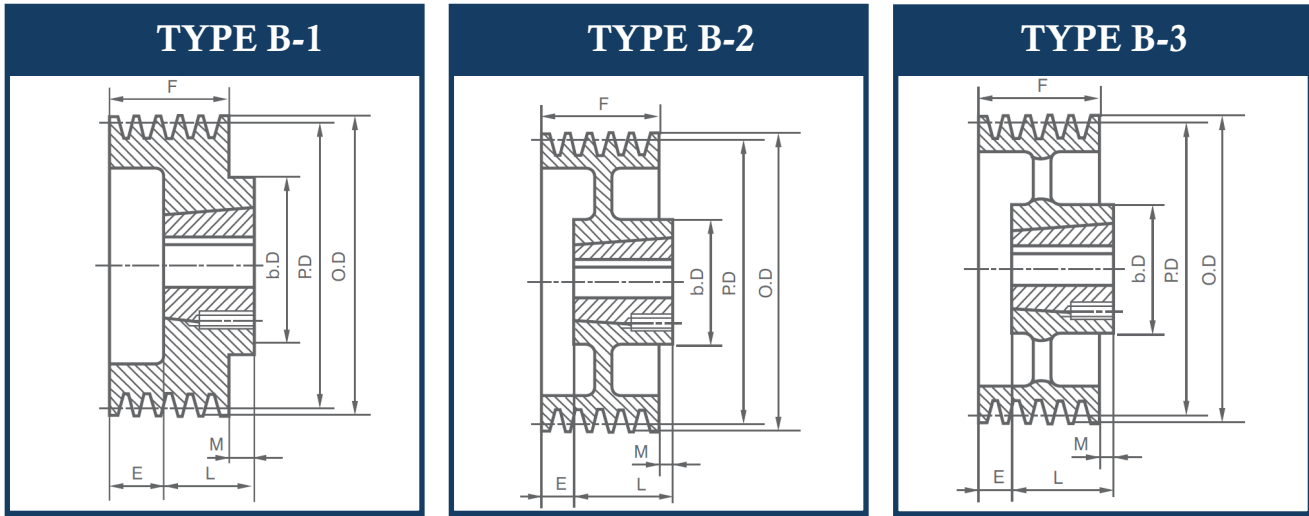


SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
6-3V530-2517	5.30	5.25	21/2	2517	A1	-	31/32	13/4		6.5
6-3V560-2517	5.60	5.55	21/2	2517	A1	-	31/32	13/4		7.5
6-3V600-2517	6.00	5.95	21/2	2517	A1	-	31/32	13/4		9.5
6-3V650-2517	6.50	6.45	21/2	2517	A1	-	31/32	13/4	-	12.0
6-3V690-2517	6.90	6.85	21/2	2517	A1	-	31/32	13/4		13.0
6-3V 800-2517	8.00	7.95	21/2	2517	A1	-	31/32	13/4	-	20.0
6-3V1060-2517	10.60	10.55	21/2	2517	A2	43/4	31/32	13/4		29.0
6-3V1400-2517	14.00	13.95	21/2	2517	A3	43/4	-	13/4	31/32	41.0
6-3V1900-3030	19.00	18.95	3	3030	B3	511/16	-	3	9/32	51.0
6-3V2500-3030	25.00	24.95	3	3030	B3	511/16	-	3	9/32	72.0
6-3V3350-3030	33.50	33.45	3	3030	C3	511/16	9/64	3	9/64	92.0
8-3V475-2517	4.75	4.70	21/2	2517	A1		125/32	13/4	-	5.8
8-3V500-2517	5.00	4.95	21/2	2517	A1		125/32	13/4		6.4
8-3V530-2517	5.30	5.25	21/2	2517	A1	-	11/32	13/4	3/4	7.8
8-3V560-2517	5.60	5.55	21/2	2517	A1		1/4	13/4	117/32	9.2
8-3V600-2517	6.00	5.95	21/2	2517	A1	-	1/4	13/4	117/32	11.0
8-3V650-2517	6.50	6.45	21/2	2517	A1	-	1/4	13/4	117/32	14.0
8-3V690-2517	6.90	6.85	21/2	2517	A1	-	1/4	13/4	117/32	16.0
8-3V 800-3020	8.00	7.95	3	3020	A1	-	1/2	2	11/32	22.0
8-3V1060-3020	10.60	10.55	3	3020	A2	511/16	1/2	2	11/32	28.0
8-3V1400-3020	14.00	13.95	3	3020	A3	511/16	21/32	2	7/8	52.0
8-3V1900-3535	19.00	18.95	315/16	3535	A3	61/2	-	31/2	1/32	67.0
8-3V2500-3535	25.00	24.95	315/16	3535	A3	61/2	-	31/2	1/32	93.0
8-3V3350-4040	33.50	33.45	47/16	4040	C3	73/16	15/64	4	15/64	157.0
10-3V475-2517	4.75	4.70	21/2	2517	A1	-	219/32	13/4	-	7
10-3V500-2517	5.00	4.95	21/2	2517	A1	-	219/32	13/4	-	8
10-3V530-2517	5.30	5.25	21/2	2517	A1	-	127/32	13/4	3/4	9
10-3V560-2517	5.60	5.55	21/2	2517	A1		1/2	13/4	23/32	11
10-3V600-2517	6.00	5.95	21/2	2517	A1		1/2	13/4	23/32	13
10-3V650-2517	6.50	6.45	21/2	2517	A1	-	1/2	13/4	23/32	15
10-3V690-2517	6.90	6.85	21/2	2517	A1	-	1/2	13/4	23/32	18
10-3V 800-3020	8.00	7.95	3	3020	A1		27/32	2	11/2	23

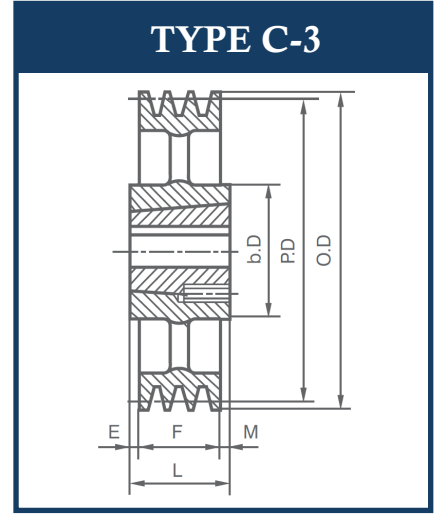
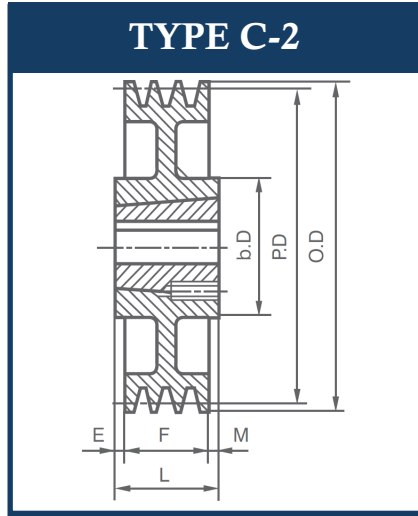
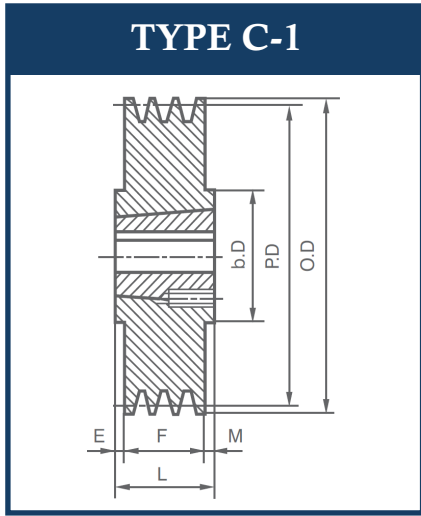
All dimensions in millimeters unless otherwise stated.

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5v-BTL Taper bushing



SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
10-3V1060-3020	10.60	10.55	3	3020	A2	511/16	27/32	2	11/2	31
10-3V1400-3535	14.00	13.95	315/16	3535	A2	61/2	-	31/2	27/32	50
10-3V1900-3535	19.00	18.95	315/16	3535	A3	61/2	-	31/2	27/32	75
10-3V2500-4040	25.00	24.95	47/16	4040	A3	73/16	-	4	11/32	122
10-3V3350-4040	33.50	33.45	47/16	4040	C3	73/16	11/64	4	11/64	172
2-5V710-2517	7.10	7.00	21/2	2517	B1	-	-	13/4	1/16	10
2-5V750-2517	7.50	7.40	21/2	2517	B1	-	-	13/4	1/16	12
2-5V800-2517	8.00	7.90	21/2	2517	B1	-	-	13/4	1/16	14
2-5V850-2517	8.50	8.40	21/2	2517	B2	43/4	-	13/4	1/16	15
2-5V900-2517	9.00	8.90	21/2	2517	B2	43/4	-	13/4	1/16	16
2-5V925-3020	9.25	9.15	3	3020	B1	-	-	2	5/16	17
2-5V975-3020	9.75	9.65	3	3020	B1	-	-	2	5/16	19
2-5V1030-3020	10.30	10.20	3	3020	B2	511/16	-	2	5/16	22
2-5V1090-3020	10.90	10.80	3	3020	B2	511/16	-	2	5/16	24
2-5V1180-3020	11.80	11.70	3	3020	B2	511/16	-	2	5/16	26
2-5V1250-3020	12.50	12.40	3	3020	B2	511/16	-	2	5/16	28
2-5V1320-3020	13.20	13.10	3	3020	B3	511/16	-	2	5/16	29
2-5V1400-3020	14.00	13.90	3	3020	B3	511/16	-	2	5/16	33
2-5V1500-3020	15.00	14.90	3	3020	B3	511/16	-	2	5/16	35
2-5V1600-3020	16.00	15.90	3	3020	B3	511/16	-	2	5/16	45
2-5V2120-3535	21.20	21.10	31/2	3535	C3	61/2	3/8	31/2	17/16	68
2-5V2800-3535	28.00	27.90	31/2	3535	C3	61/2	3/8	31/2	17/16	96
3-5V710-2517	7.10	7.00	21/2	2517	A1	-	5/8	13/4	-	11
3-5V750-2517	7.50	7.40	21/2	2517	A1	-	5/8	13/4	-	14
3-5V800-2517	8.00	7.90	21/2	2517	A1	-	5/8	13/4	-	16
3-5V850-2517	8.50	8.40	21/2	2517	A2	43/4	5/8	13/4	-	17
3-5V900-2517	9.00	8.90	21/2	2517	A2	43/4	5/8	13/4	-	19
3-5V925-3020	9.25	9.15	3	3020	A1	-	-	2	3/8	23
3-5V975-3020	9.75	9.65	3	3020	A1	-	-	2	3/8	24
3-5V1030-3020	10.30	10.20	3	3020	A2	511/16	-	2	3/8	27
3-5V1090-3020	10.90	10.80	3	3020	A2	511/16	-	2	3/8	28
3-5V1180-3020	11.80	11.70	3	3020	A2	511/16	-	2	3/8	30

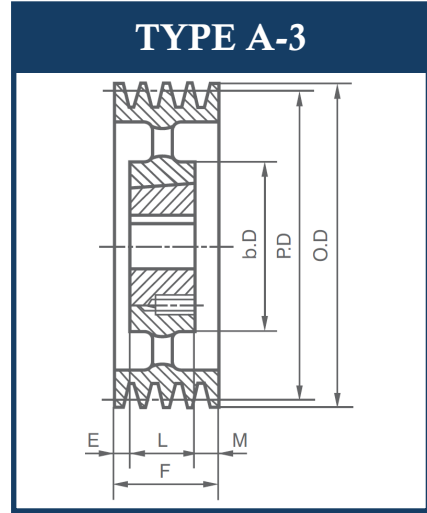
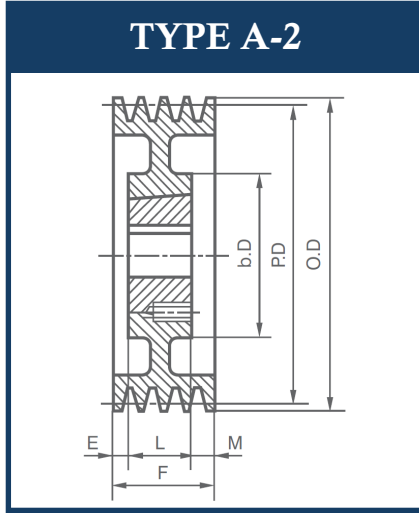
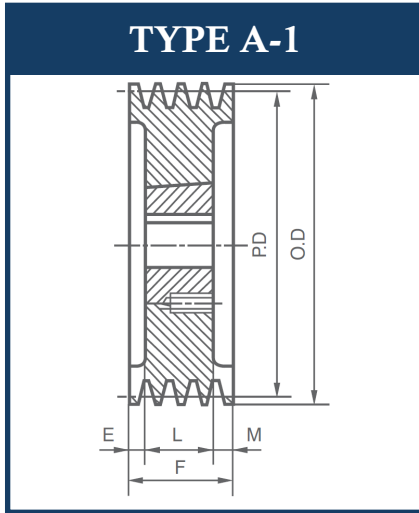


SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
3-5V1250-3020	12.50	12.40	3	3020	A2	511/16	-	2	3/8	32
3-5V1320-3020	13.20	13.10	3	3020	A2	511/16	-	2	3/8	34
3-5V1400-3020	14.00	13.90	3	3020	A3	511/16	-	2	3/8	36
3-5V1500-3020	15.00	14.90	3	3020	A3	511/16	-	2	3/8	41
3-5V1600-3020	16.00	15.90	3	3020	A3	511/16	-	2	3/8	50
3-5V2120-3535	21.20	21.10	315/16	3535	B3	61/2	-	31/2	11/8	65
3-5V2800-3535	28.00	27.90	315/16	3535	B3	61/2	-	31/2	11/8	99
3-5V3750-4040	37.50	37.40	47/16	4040	C3	73/16	1/2	4	11/8	172
3-5V5000-4040	50.00	49.90	47/16	4040	C3	73/16	1/2	4	11/8	201
4-5V710-2517	7.10	7.00	21/2	2517	A1	-	15/16	13/4	-	14
4-5V750-2517	7.50	7.40	21/2	2517	A1	-	15/16	13/4	-	16
4-5V800-2517	8.00	7.90	21/2	2517	A1	-	15/16	13/4	-	17
4-5V850-2517	8.50	8.40	21/2	2517	A2	43/4	15/16	13/4	-	18
4-5V900-2517	9.00	8.90	21/2	2517	A2	43/4	15/16	13/4	-	19
4-5V925-3020	9.25	9.15	3	3020	A1	-	1/2	2	9/16	22
4-5V975-3020	9.75	9.65	3	3020	A1	-	1/2	2	9/16	27
4-5V1030-3020	10.30	10.20	3	3020	A2	511/16	1/2	2	9/16	28
4-5V1090-3020	10.90	10.80	3	3020	A2	511/16	1/2	2	9/16	31
4-5V1180-3020	11.80	11.70	3	3020	A2	511/16	1/2	2	9/16	35
4-5V1250-3020	12.50	12.40	3	3020	A2	511/16	-	2	11/16	44
4-5V1320-3020	13.20	13.10	3	3020	A2	511/16	-	2	11/16	48
4-5V1400-3535	14.00	13.90	315/16	3535	B3	61/2	-	31/2	7/16	52
4-5V1500-3535	15.00	14.90	315/16	3535	B3	61/2	-	31/2	7/16	54
4-5V1600-3535	16.00	15.90	315/16	3535	B3	61/2	-	31/2	7/16	60
4-5V2120-3535	21.20	21.10	315/16	3535	B3	61/2	-	31/2	7/16	72
4-5V2800-3535	28.00	27.90	315/16	3535	B3	61/2	-	31/2	7/16	125
4-5V3750-4040	37.50	37.40	47/16	4040	B3	73/16	-	4	15/16	189
4-5V5000-4040	50.00	49.90	47/16	4040	B3	73/16	-	4	15/16	371
5-5V710-3020	7.10	7.00	3	3020	A1	-	1/2	2	11/4	15
5-5V750-3020	7.50	7.40	3	3020	A1	-	1/2	2	11/4	17
5-5V800-3020	8.00	7.90	3	3020	A1	-	1/2	2	11/4	20
5-5V850-3020	8.50	8.40	3	3020	A1	-	1/2	2	11/4	22

All dimensions in millimeters unless otherwise stated.

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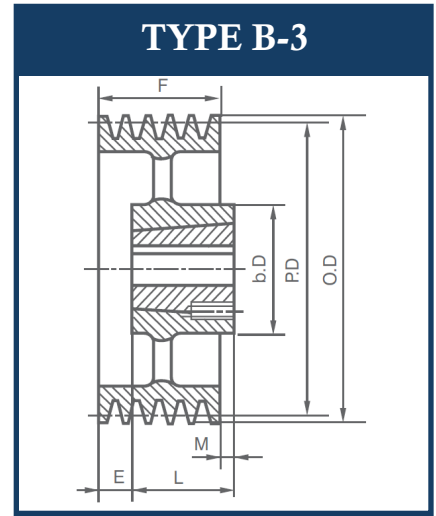
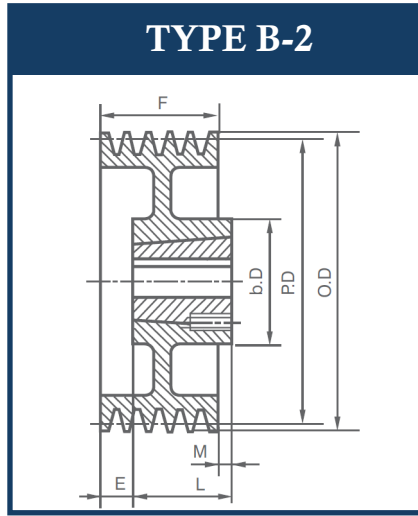
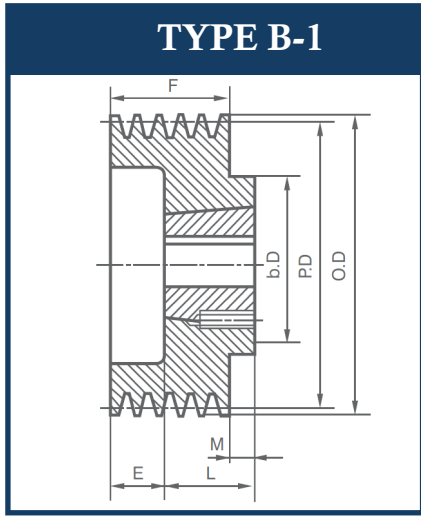
5v-BTL Taper bushing



SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
5-5V900-3020	9.00	8.90	3	3020	A1	-	1/2	2	11/4	30
5-5V925-3020	9.25	9.15	3	3020	A1	-	1/2	2	11/4	36
5-5V975-3020	9.75	9.65	3	3020	A1	-	1/2	2	11/4	37
5-5V1030-3020	10.30	10.20	3	3020	A2	53/4	1/2	2	11/4	38
5-5V1090-3020	10.90	10.80	3	3020	A2	53/4	1/2	2	11/4	39
5-5V1180-3020	11.80	11.70	3	3020	A2	53/4	1/2	2	11/4	40
5-5V1250-3535	12.50	12.40	31/2	3535	A2	61/2	-	31/2	1/4	50
5-5V1320-3535	13.20	13.10	31/2	3535	A2	61/2	-	31/2	1/4	56
5-5V1400-3535	14.00	13.90	31/2	3535	A3	61/2	-	31/2	1/4	58
5-5V1500-3535	15.00	14.90	31/2	3535	A3	61/2	-	3 1/2	1/4	60
5-5V1600-3535	16.00	15.90	31/2	3535	A3	61/2	-	31/2	1/4	70
5-5V2120-4040	21.20	21.10	47/16	4040	B3	73/16	-	4	1/4	115
5-5V2800-4040	28.00	27.90	47/16	4040	B3	73/16	-	4	1/4	160
5-5V3750-4040	37.50	37.40	47/16	4040	B3	73/16	-	4	1/4	182
5-5V5000-4545	50.00	49.90	41/2	4545	B3	87/16	-	41/2	3/4	288
6-5V710-3020	7.10	7.00	3	3020	A1	-	3/4	2	111/16	17
6-5V750-3020	7.50	7.40	3	3020	A1	-	3/4	2	111/16	20
6-5V800-3020	8.00	7.90	3	3020	A1	-	3/4	2	111/16	24
6-5V850-3020	8.50	8.40	3	3020	A1	-	3/4	2	111/16	28
6-5V900-3020	9.00	8.90	3	3020	A1	-	3/4	2	111/16	32
6-5V925-3535	9.25	9.15	31/2	3535	A1	-	-	31/2	15/16	39
6-5V975-3535	9.75	9.65	31/2	3535	A1	-	-	31/2	15/16	50
6-5V1030-3535	10.30	10.20	31/2	3535	A1	-	-	31/2	15/16	58
6-5V1090-3535	10.90	10.80	31/2	3535	A1	-	-	31/2	15/16	60
6-5V1180-3535	11.80	11.70	31/2	3535	A2	61/2	-	31/2	15/16	62
6-5V1250-3535	12.50	12.40	31/2	3535	A2	61/2	-	31/2	15/16	65
6-5V1320-3535	13.20	13.10	31/2	3535	A2	61/2	-	31/2	15/16	68
6-5V1400-3535	14.00	13.90	31/2	3535	A2	61/2	-	31/2	15/16	72
6-5V1500-4040	15.00	14.90	4	4040	A2	73/16	-	4	7/16	91
6-5V1600-4040	16.00	15.90	4	4040	A3	73/16	-	4	7/16	97
6-5V2120-4040	21.20	21.10	4	4040	A3	73/16	-	4	7/16	123
6-5V2800-4040	28.00	27.90	4	4040	A3	73/16	-	4	7/16	176

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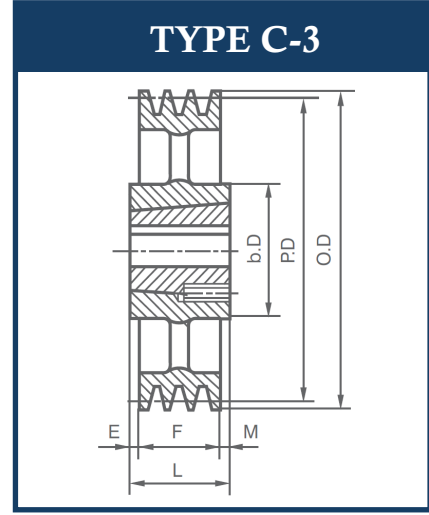
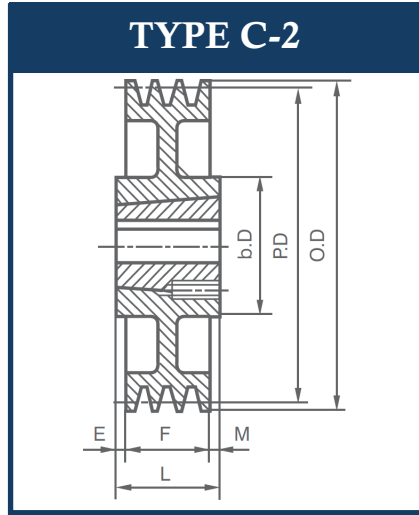
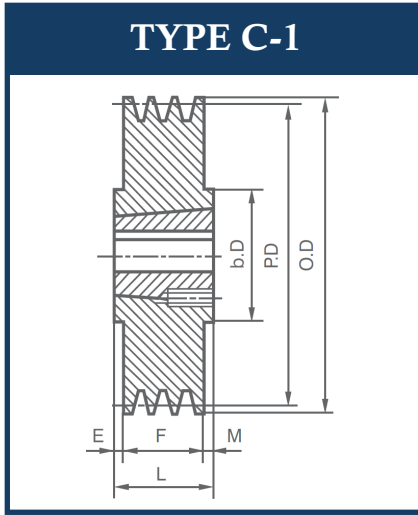


SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
6-5V3750-4545	37.50	37.40	41/2	4545	B3	87/16	-	41/2	1/16	254
6-5V5000-4545	50.00	49.90	41/2	4545	B3	87/16	-	41/2	1/16	286
8-5V710-3030	7.10	7.00	3	3030	A1	-	1	3	113/16	24
8-5V750-3030	7.50	7.40	3	3030	A1	-	1	3	113/16	27
8-5V800-3030	8.00	7.90	3	3030	A1	-	1	3	113/16	33
8-5V850-3030	8.50	8.40	3	3030	A1	-	1	3	113/16	39
8-5V900-3535	9.00	8.90	31/2	3535	A1	-	1	31/2	15/16	44
8-5V925-3535	9.25	9.15	31/2	3535	A1	-	1	31/2	15/16	48
8-5V975-3535	9.75	9.65	31/2	3535	A1	-	1	31/2	15/16	55
8-5V1030-3535	10.30	10.20	31/2	3535	A1	-	1	31/2	15/16	64
8-5V1090-3535	10.90	10.80	31/2	3535	A1	-	1	31/2	15/16	68
8-5V1180-3535	11.80	11.70	31/2	3535	A1	-	1	31/2	15/16	74
8-5V1250-4040	12.50	12.40	4	4040	A1	-	1/4	£	19/16	82
8-5V1320-4040	13.20	13.10	4	4040	A1	-	1/4	£	19/16	87
8-5V1400-4040	14.00	13.90	4	4040	A2	73/16	1/4	£	19/16	90
8-5V1500-4040	15.00	14.90	4	4040	A2	73/16	1/4	4	19/16	97
8-5V1600-4040	16.00	15.90	4	4040	A3	73/16	1/4	4	19/16	106
8-5V2120-4040	21.20	21.10	4	4040	A3	73/16	1/4	4	19/16	144
8-5V2800-4545	28.00	27.90	41/2	4545	A3	87/16	1/4	41/2	11/16	206
8-5V3750-4545	37.50	37.40	41/2	4545	A3	87/16	1/4	41/2	11/16	271
8-5V5000-4545	50.00	49.90	41/2	4545	A3	87/16	1/4	41/2	11/16	458
10-5V800-3030	8.00	7.90	3	3030	A1	-	1	3	33/16	36
10-5V850-3030	8.50	8.40	3	3030	A1	-	1	3	33/16	42
10-5V900-3535	9.00	8.90	31/2	3535	A1	-	1	31/2	211/16	48
10-5V925-4040	9.25	9.15	4	4040	A1	-	1	4	23/16	50
10-5V975-4040	9.75	9.65	4	4040	A1	-	1	4	23/16	58
10-5V1030-4040	10.30	10.20	4	4040	A1	-	1	4	23/16	69
10-5V1090-4040	10.90	10.80	4	4040	A1	-	1	4	23/16	76
10-5V1180-4040	11.80	11.70	4	4040	A1	-	1	4	23/16	96
10-5V1250-4040	12.50	12.40	4	4040	A2	73/16	3/4	4	27/16	116
10-5V1320-4040	13.20	13.10	4	4040	A2	73/16	3/4	4	27/16	130
10-5V1400-4545	14.00	13.90	41/2	4545	A2	87/16	3/4	41/2	115/16	150

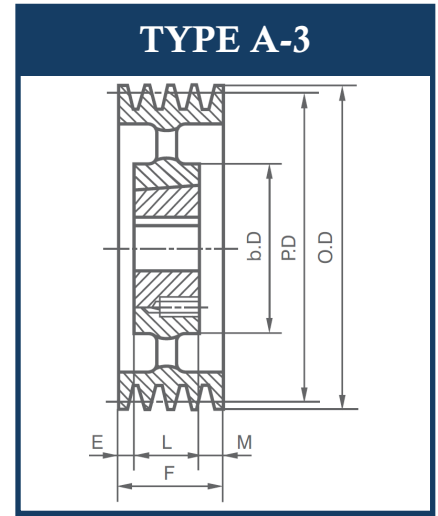
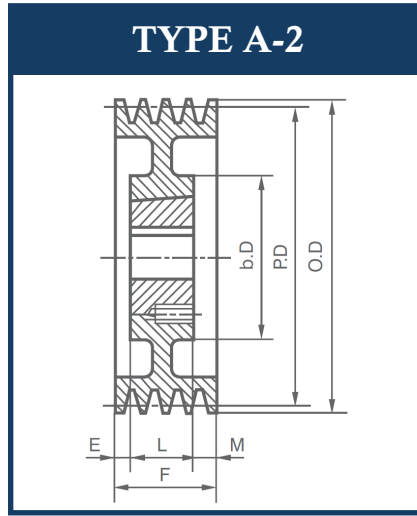
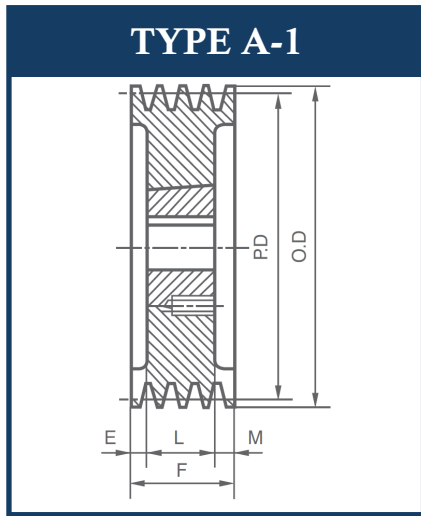
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8v-BTL Taper bushing



SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
10-5V1500-4545	15.00	14.90	41/2	4545	A2	87/16	3/4	41/2	115/16	155
10-5V1600-4545	16.00	15.90	41/2	4545	A2	87/16	3/4	41/2	115/16	160
10-5V2120-4545	21.20	21.10	41/2	4545	A3	87/16	3/4	41/2	115/16	210
10-5V2800-4545	28.00	27.90	41/2	4545	A3	87/16	3/4	41/2	115/16	248
10-5V3750-4545	37.50	37.40	41/2	4545	A3	87/16	3/4	41/2	115/16	375
10-5V5000-5050	50.00	49.90	5	5050	A3	10	3/4	5	17/16	502
4-8V1250-4040	12.50	12.30	4	4040	A1	-		4	7/8	88
4-8V1320-4040	13.20	13.00	4	4040	A1	-		4	7/8	102
4-8V1400-4040	14.00	13.80	4	4040	A1			4	7/8	123
4-8V1500-4040	15.00	14.80	4	4040	A1			4	7/8	145
4-8V1600-4040	16.00	15.80	4	4040	A2	73/16	-	4	7/8	111
4-8V1700-4040	17.00	16.80	4	4040	A2	73/16	-	4	7/8	120
4-8V1800-4040	18.00	17.80	4	4040	A2	73/16		4	7/8	130
4-8V1900-4040	19.00	18.80	4	4040	A2	73/16		4	7/8	140
4-8V2000-4545	20.00	19.80	41/2	4545	A2	87/16		41/2	3/8	151
4-8V2120-4545	21.20	21.00	41/2	4545	A3	87/16	-	41/2	3/8	154
4-8V2240-4545	22.40	22.20	41/2	4545	A3	87/16	-	41/2	3/8	185
4-8V3000-5050	30.00	29.80	5	5050	B3	10		5	1/8	246
4-8V4000-5050	40.00	39.80	5	5050	B3	10	-	5	1/8	292
4-8V5300-5050	53.00	52.80	5	5050	B3	10	-	5	1/8	573
5-8V1250-4040	12.50	12.30	4	4040	A1	-	3/16	4	113/16	100
5-8V1320-4040	13.20	13.00	4	4040	A1	-	3/16	4	113/16	115
5-8V1400-4040	14.00	13.80	4	4040	A1	-	3/16	4	113/16	133
5-8V1500-4040	15.00	14.80	4	4040	A1	-	3/16	4	113/16	156
5-8V1600-4040	16.00	15.80	4	4040	A1		1/2	4	11/2	181
5-8V1700-4545	17.00	16.80	41/2	4545	A2	87/16	-	41/2	11/2	146
5-8V1800-4545	18.00	17.80	41/2	4545	A2	87/16	-	41/2	11/2	156
5-8V1900-4545	19.00	18.80	41/2	4545	A2	87/16	-	41/2	11/2	176
5-8V2000-4545	20.00	19.80	41/2	4545	A2	87/16		41/2	11/2	196
5-8V2120-4545	21.20	21.00	41/2	4545	A3	87/16		41/2	11/2	195
5-8V2240-4545	22.40	22.20	41/2	4545	A3	87/16		41/2	11/2	200
5-8V3000-5050	30.00	29.80	5	5050	A3	10		5	1	278

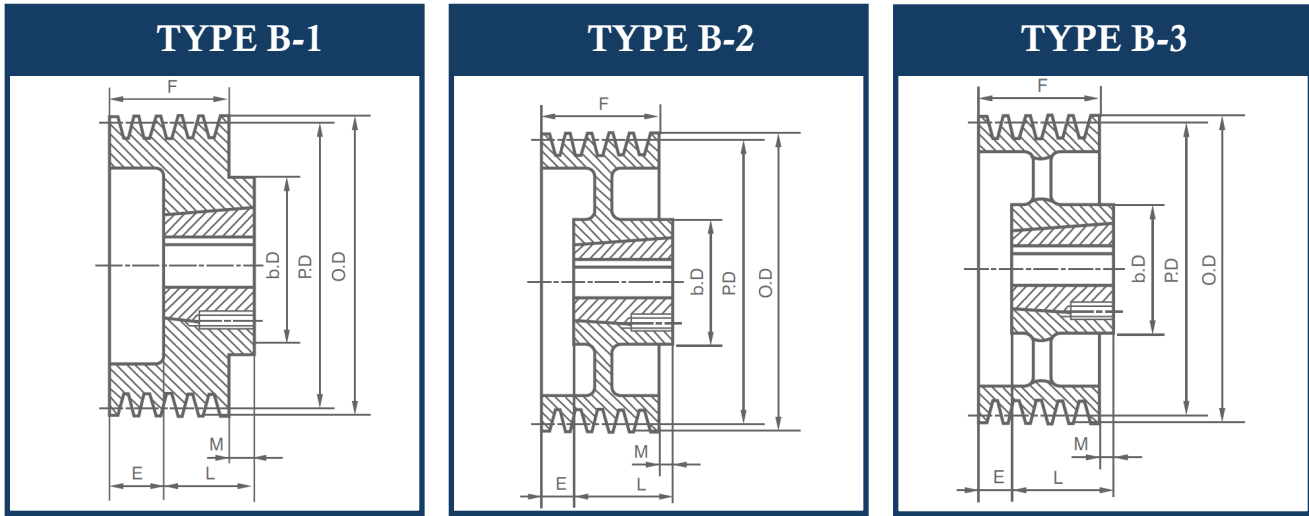


SHEAVE	OD	PD	Bush Max Bore	Bush	Type	bD	E	L	M	WT Less Bush
5-8V4000-5050	40.00	39.80	5	5050	A3	10		5	1	350
5-8V5300-5050	53.00	52.80	5	5050	A3	10		5		565
6-8V1250-4040	12.50	12.30	41/2	4040	A1	-	1	4	21/8	100
6-8V1320-4040	13.20	13.00	41/2	4040	A1	-	1	4	21/8	124
6-8V1400-4040	14.00	13.80	41/2	4040	A1		1	4	21/8	142
6-8V1500-4545	15.00	14.80	41/2	4545	A1		1/2	41/2	21/8	153
6-8V1600-4545	16.00	15.80	41/2	4545	A2	87/16	1/2	41/2	21/8	170
6-8V1700-4545	17.00	16.80	41/2	4545	A2	87/16	1/2	41/2	21/2	175
6-8V1800-4545	18.00	17.80	41/2	4545	A2	87/16	1/2	41/2	21/8	180
6-8V1900-4545	19.00	18.80	41/2	4545	A2	87/16	1/2	41/2	21/8	192
6-8V2000-5050	20.00	19.80	5	5050	A2	10	1/2	5	15/8	226
6-8V2120-5050	21.20	21.00	5	5050	A3	10	1/2	5	15/8	246
6-8V2240-5050	22.40	22.20	5	5050	A3	10	1/2	5	15/8	267
6-8V3000-5050	30.00	29.80	5	5050	A3	10	1/2	5	15/8	398
6-8V4000-5050	40.00	39.80	5	5050	A3	10	1/2	5	15/8	468
6-8V5300-5050	53.00	52.80	5	5050	A3	10	1/2	5	15/8	658
8-8V1250-4545	12.50	12.30	41/2	4545	A1	-	11/2	41/2	33/8	125
8-8V1320-4545	13.20	13.00	41/2	4545	A1		11/2	41/2	33/8	135
8-8V1400-4545	14.00	13.80	41/2	4545	A1		11/2	41/2	33/8	156
8-8V1500-4545	15.00	14.80	41/2	4545	A1		11/2	41/2	33/8	160
8-8V1600-4545	16.00	15.80	41/2	4545	A2	87/16	11/2	41/2	33/8	166
8-8V1700-5050	17.00	16.80	5	5050	A2	10	1	5	33/8	265
8-8V1800-5050	18.00	17.80	5	5050	A2	10	1	5	33/8	204
8-8V1900-5050	19.00	18.80	5	5050	A2	10	1	5	33/8	228
8-8V2000-5050	20.00	19.80	5	5050	A2	10	1	5	33/8	236
8-8V2120-5050	21.20	21.00	5	5050	A3	10	1	5	33/8	246
8-8V2240-5050	22.40	22.20	5	5050	A3	10	1	5	33/8	300
8-8V3000-5050	30.00	29.80	5	5050	A3	10	1	5	33/8	384
8-8V4000-5050	40.00	39.80	5	5050	A3	10	1	5	33/8	556
8-8V5300-6050	53.00	52.80	6	6050	A3	131/4	1	5	33/8	1040
10-8V1320-4545	13.20	13.00	415/16	4545	A1	-	1	41/2	61/8	150
10-8V1400-4545	14.00	13.80	415/16	4545	A1		1	41/2	61/8	180

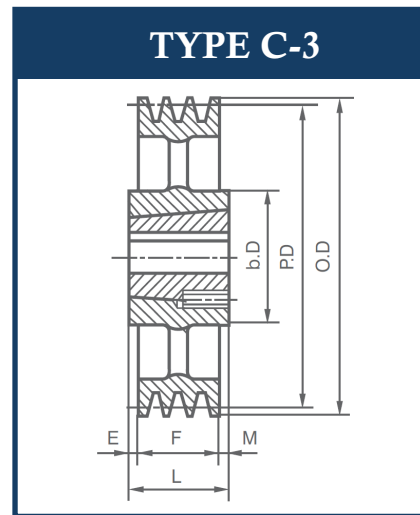
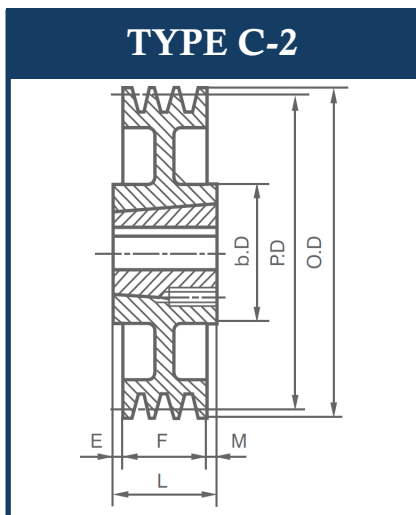
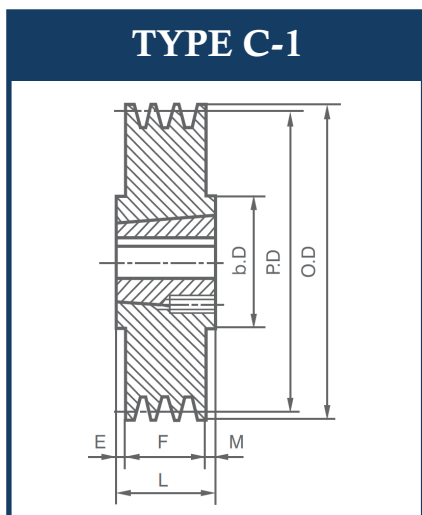
All dimensions in millimeters unless otherwise stated.

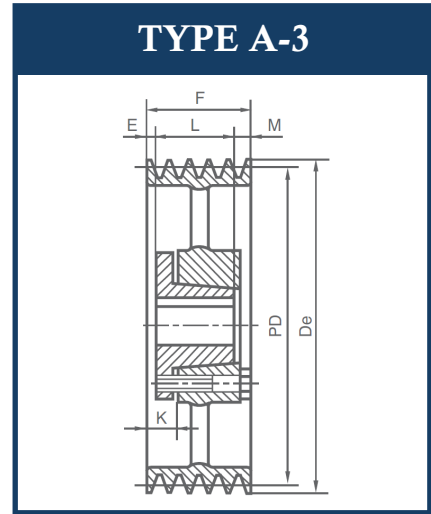
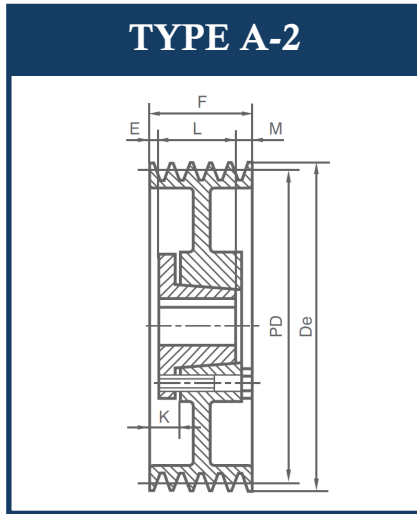
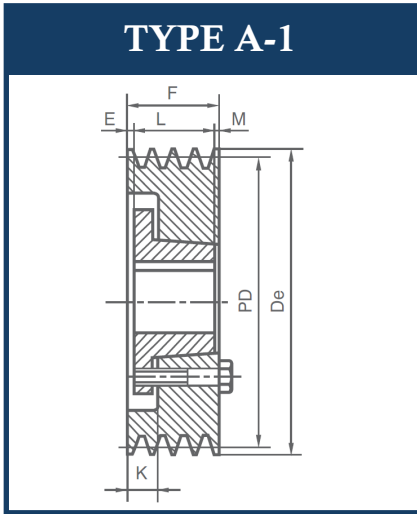
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

8v-BTL Taper bushing

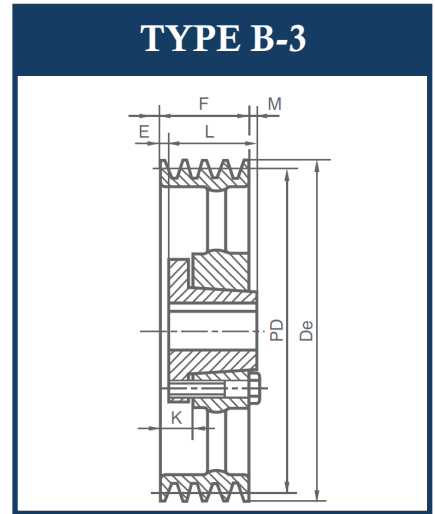
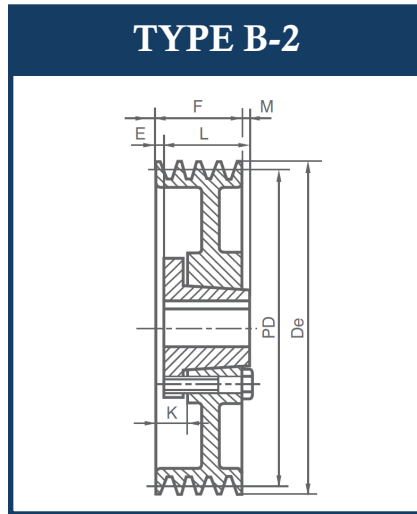
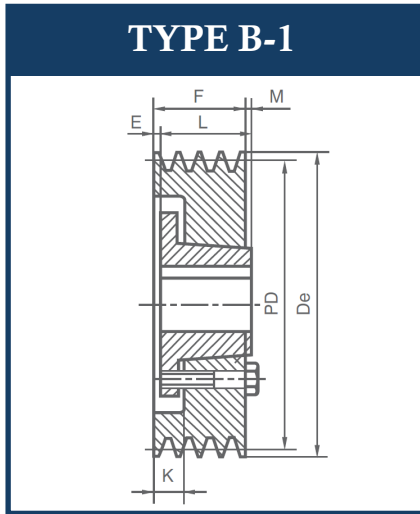


SHEAVE	OD	PD	Bush Max Bore	Bush Type	bD	E	L	M	WT Less Bush	
10-8V1500-5050	15.00	14.80	5	5050	A1	-	1	5	55/8	211
10-8V1600-5050	16.00	15.80	5	5050	A1		1	5	55/8	220
10-8V1700-5050	17.00	16.80	5	5050	A2	10	21/4	5	43/8	228
10-8V1800-5050	18.00	17.80	5	5050	A2	10	21/4	5	43/8	244
10-8V1900-5050	19.00	18.80	5	5050	A2	10	21/4	5	43/8	260
10-8V2000-5050	20.00	19.80	5	5050	A2	10	21/4	5	43/8	270
10-8V2120-5050	21.20	21.00	5	5050	A2	10	21/4	5	43/8	282
10-8V2240-5050	22.40	22.20	5	5050	A3	10	21/4	5	43/8	312
10-8V3000-5050	30.00	29.80	5	5050	A3	10	21/4	5	43/8	448
10-8V4000-6050	40.00	39.80	6	6050	A3	131/4	21/4	5	43/8	550
10-8V5300-6050	53.00	52.80	6	6050	A3	131/4	21/4	5	43/8	870





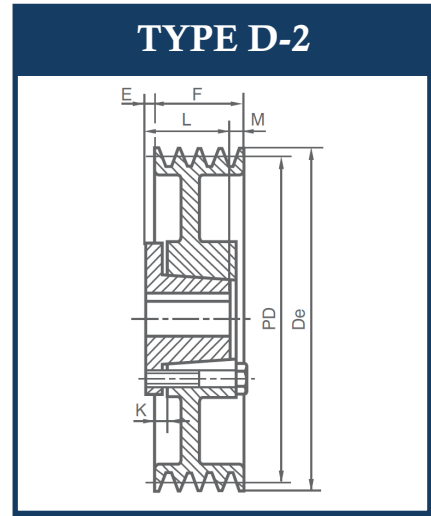
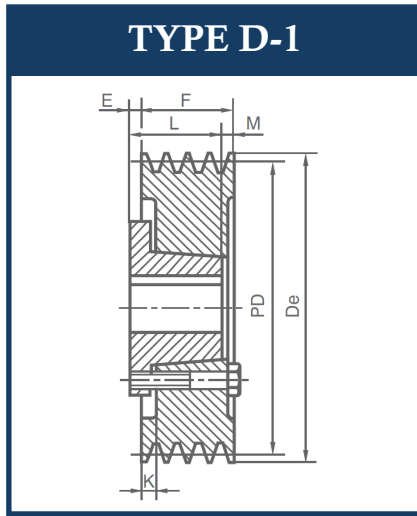
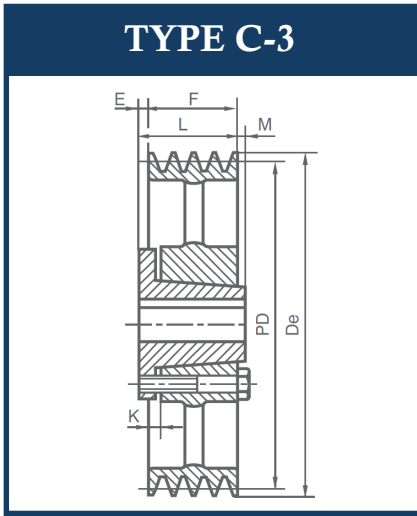
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush	
1-3V220-JA	2.20	2.15	11/4	JA	E1	-	9/16	7/16	11/16	15/16	0.7
1-3V235-JA	2.35	2.30	11/4	JA	E1	-	9/16	7/16	11/16	15/16	0.8
1-3V250-JA	2.50	2.45	11/4	JA	E1	-	9/16	7/16	11/16	15/16	0.9
1-3V265-JA	2.65	2.60	11/4	JA	C1	-	3/8	1/8	11/16	-	0.9
1-3V280-JA	2.80	2.75	11/4	JA	C1	-	3/8	1/8	11/16	-	1.0
1-3V300-JA	3.00	2.95	11/4	JA	C1	-	3/8	1/8	11/16	-	1.0
1-3V315-JA	3.15	3.10	11/4	JA	C1	-	3/8	1/8	11/16	-	1.1
1-3V335-JA	3.35	3.30	11/4	JA	C1	-	3/8	1/8	11/16	-	1.3
1-3V365-SH	3.65	3.60	111/16	SH	D1	-	9/16	-	15/16	1/16	1.7
1-3V412-SH	4.12	4.07	111/16	SH	D1	-	9/16	-	15/16	1/16	2.1
1-3C450-SH	4.50	4.45	111/16	SH	D2	3	9/16	-	15/16	1/16	2.5
1-3V475-SH	4.75	4.70	111/16	SH	D2	3	9/16	-	15/16	1/16	2.8
1-3V500-SH	5.00	4.95	111/16	SH	D2	3	9/16	-	15/16	1/16	3.2
1-3V530-SH	5.30	5.25	111/16	SH	D2	3	9/16	-	15/16	1/16	3.2
1-3V560-SH	5.60	5.55	111/16	SH	D2	3	9/16	-	15/16	1/16	3.5
1-3V600-SH	6.00	5.95	111/16	SH	D2	3	9/16	-	15/16	1/16	3.9
1-3V650-SH	6.50	6.45	111/16	SH	D3	3	9/16	-	15/16	1/16	4.5
1-3V690-SH	6.90	6.85	111/16	SH	D3	3	9/16	-	15/16	1/16	5.5
1-3V800-SDS	8.00	7.95	2	SDS	C3	31/2	5/8	-	13/8	-	8.0
1-3V1060-SDS	10.60	10.55	2	SDS	C3	31/2	5/8	-	13/8	-	13.5
1-3V1400-SK	14.00	13.95	25/8	SK	C3	43/8	11/16	-	115/16	-	17.0
1-3V1900-SK	19.00	18.95	25/8	SK	C3	43/8	11/16	-	115/16	-	19.5
2--3V220-JA	2.20	2.15	11/4	JA	E1	-	31/32	7/16	11/16	15/16	0.9
2-3V235-JA	2.35	2.30	11/4	JA	E1	-	31/32	7/16	11/16	15/16	1.0
2-3V250-JA	2.50	2.45	11/4	JA	E1	-	31/32	7/16	11/16	15/16	1.2
2-3V265-JA	2.65	2.60	11/4	JA	D1	-	3/8	1/8	11/16	13/32	1.3
2-3V280-JA	2.80	2.75	11/4	JA	D1	-	3/8	1/8	11/16	13/32	1.4
2-3V300-JA	3.00	2.95	11/4	JA	D1	-	3/8	1/8	11/16	13/32	1.6
2-3V315-JA	3.15	3.10	11/4	JA	D1	-	3/8	1/8	11/16	13/32	1.8
2-3V335-SH	3.35	3.30	111/16	SH	D1	-	1/4	1/4	15/16	1/32	2.0
2-3V365-SH	3.65	3.60	111/16	SH	D1	-	1/4	1/4	15/16	1/32	2.4
2-3V412-SH	4.12	4.07	111/16	SH	D1	-	1/4	1/4	15/16	1/32	2.7



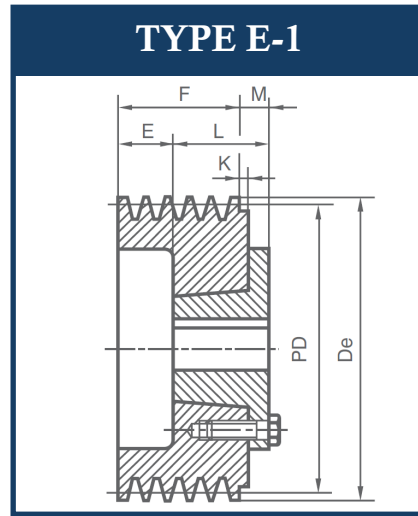
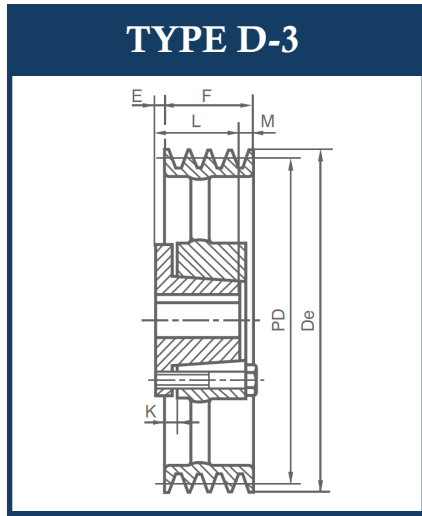
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
2-3C450-SH	4.50	4.45	111/16	SH	D1	-	1/4	1/4	15/16	1/32	2.9
2-3V475-SH	4.75	4.70	111/16	SH	D1	-	1/4	1/4	15/16	1/32	3.1
2-3V500-SH	5.00	4.95	111/16	SH	D1	-	1/4	1/4	15/16	1/32	3.6
2-3V530-SH	5.30	5.25	111/16	SH	D1	-	1/4	1/4	15/16	1/32	4.5
2-3V560-SH	5.60	5.55	111/16	SH	D1	-	1/4	1/4	15/16	1/32	5.0
2-3V600-SH	6.00	5.95	111/16	SH	D1	-	1/4	1/4	15/16	1/32	5.5
2-3V650-SDS	6.50	6.45	2	SDS	D3	31/2	5/16	5/16	13/8	1/32	5.8
2-3V690-SDS	6.90	6.85	2	SDS	D3	31/2	5/16	5/16	13/8	1/32	6.0
2-3V800-SDS	8.00	7.95	2	SDS	D3	31/2	5/16	5/16	13/8	1/32	7.0
2-3V1060-SK	10.60	10.55	25/8	SK	C3	43/8	7/16	1/4	115/16	13/32	10
2-3V1400-SK	14.00	13.95	25/8	SK	C3	43/8	7/16	1/4	115/16	13/32	16
2-3V1900-SK	19.00	18.95	25/8	SK	C3	43/8	7/16	1/4	115/16	13/32	25
2-3V2500-SF	25.00	24.95	215/16	SF	C3	5	7/16	1/4	21/16	17/32	28
3-3V250-JA	2.50	2.45	11/4	JA	E1	23/8	13/8	7/16	11/16	15/16	1.6
3-3V265-JA	2.65	2.60	11/4	JA	D1	-	3/8	1/8	11/16	13/16	1.8
3-3V280-JA	2.80	2.75	11/4	JA	D1	-	3/8	1/8	11/16	13/16	2.0
3-3V300-JA	3.00	2.95	111/16	JA	E1	-	11/16	-	115/16	9/16	2.2
3-3V315-SH	3.15	3.10	111/16	SH	E1	3	11/16	5/16	15/16	7/8	2.5
3-3V335-SH	3.35	3.30	111/16	SH	D1	-	7/16	1/8	15/16	5/8	2.8
3-3V365-SH	3.65	3.60	111/16	SH	D1	-	7/16	1/8	15/16	5/8	3.0
3-3V412-SH	4.12	4.07	111/16	SH	A1	-	1/8	11/16	15/16	1/16	3.3
3-3C450-SDS	4.50	4.45	2	SDS	A1	-	1/16	11/16	13/8	1/16	3.5
3-3V475-SDS	4.75	4.70	2	SDS	A1	-	1/16	11/16	13/8	1/16	3.7
3-3V500-SDS	5.00	4.95	2	SDS	A1	-	1/16	11/16	13/8	1/16	4.0
3-3V530-SDS	5.30	5.25	2	SDS	A1	-	1/16	11/16	13/8	1/16	4.3
3-3V560-SDS	5.60	5.55	2	SDS	A1	-	1/16	11/16	13/8	1/16	4.9
3-3V600-SDS	6.00	5.95	2	SDS	A1	-	1/16	11/16	13/8	1/16	5.9
3-3V650-SDS	6.50	6.45	2	SDS	A3	31/2	1/16	11/16	13/8	1/16	6.3
3-3V690-SDS	6.90	6.85	2	SDS	A3	31/2	1/16	11/16	13/8	1/16	6.8
3-3V800-SK	8.00	7.95	25/8	SK	C2	43/8	7/16	1/4	115/16	-	10.8
3-3V1060-SK	10.60	10.55	25/8	SK	C3	43/8	7/16	1/4	115/16	-	12.0
3-3V1400-SK	14.00	13.95	25/8	SK	C3	43/8	7/16	1/4	115/16	-	20.0

All dimensions in millimeters unless otherwise stated.

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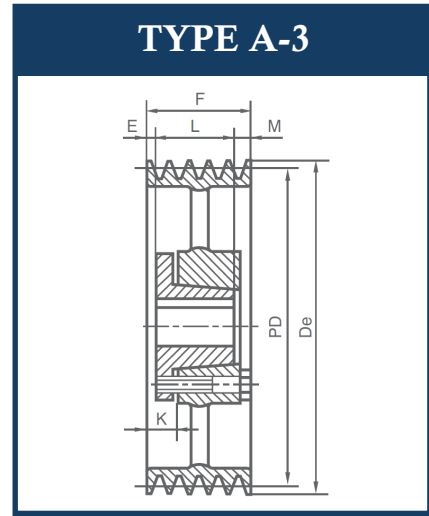
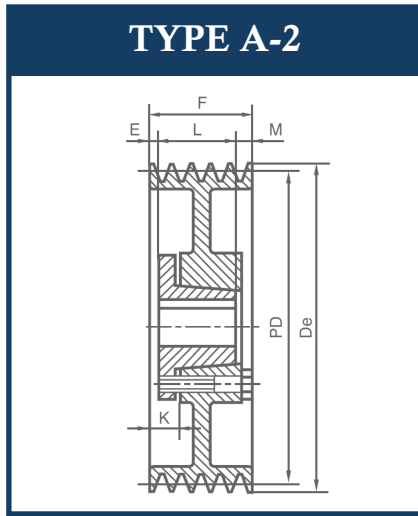
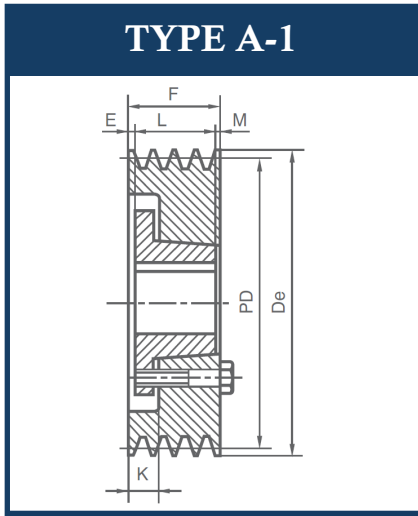
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
3-3V1900-SF	19.00	18.95	215/16	SF	C3	5	7/16	1/4	21/16	1/8	33.0
3-3V2500-SF	25.00	24.95	215/16	SF	C3	5	7/16	1/4	21/16	1/8	45.0
3-3V3350-SF	33.50	33.45	215/16	SF	C3	5	7/16	1/4	21/16	1/8	75.0
4-3V265-JA	2.65	2.60	11/4	JA	D1	-	3/8	1/8	11/16	17/32	1.3
4-3V280-JA	2.80	2.75	11/4	JA	D1	-	3/8	1/8	11/16	17/32	1.6
4-3V300-SH	3.00	2.95	111/16	SH	E1	-	115/32	5/16	15/16	7/8	1.9
4-3V315-SH	3.15	3.10	111/16	SH	E1	3	115/32	5/16	15/16	7/8	2.2
4-3V335-SH	3.35	3.30	111/16	SH	D1	-	7/16	1/8	15/16	1 1/32	2.5
4-3V365-SH	3.65	3.60	111/16	SH	D1	-	7/16	1/8	15/16	1 1/32	2.8
4-3V412-SH	4.12	4.07	111/16	SH	A1	-	1/4	13/16	15/16	11/32	3.2
4-3C450-SDS	4.50	4.45	2	SDS	A1	-	3/16	13/16	13/8	11/32	3.5
4-3V475-SDS	4.75	4.70	2	SDS	A1	-	3/16	13/16	13/8	11/32	4.0
4-3V500-SDS	5.00	4.95	2	SDS	A1	-	3/16	13/16	13/8	11/32	4.5
4-3V530-SDS	5.30	5.25	2	SDS	A1	-	3/16	13/16	13/8	11/32	5.0
4-3V560-SDS	5.60	5.55	2	SDS	A1	-	3/16	13/16	13/8	11/32	5.7
4-3V600-SK	6.00	5.95	25/8	SK	D1	-	1/16	5/8	115/16	1/32	7.5
4-3V650-SK	6.50	6.45	25/8	SK	D2	-	1/16	5/8	115/16	1/32	8.0
4-3V690-SK	6.90	6.85	25/8	SK	D2	-	1/16	5/8	115/16	1/32	10
4-3V800-SK	8.00	7.95	25/8	SK	D2	43/8	1/16	5/8	115/16	1/32	12
4-3V1060-SK	10.60	10.55	25/8	SK	D3	43/8	1/16	5/8	115/16	1/32	16
4-3V1400-SK	14.00	13.95	25/8	SK	D3	43/8	1/16	5/8	115/16	1/32	22
4-3V1900-SF	19.00	18.95	215/16	SF	C3	5	1/16	5/8	21/16	3/32	37
4-3V2500-SF	25.00	24.95	215/16	SF	C3	5	1/16	5/8	21/16	3/32	53
4-3V3350-E	33.50	33.45	31/2	E	C3	61/4	3/8	1/2	25/8	11/32	80
5-3V475-SDS	4.75	4.70	2	SDS	A2	31/2	3/16	13/16	13/8	3/4	4.5
5-3V500-SDS	5.00	4.95	2	SDS	A2	31/2	3/16	13/16	13/8	3/4	5.3
5-3V530-SK	5.30	5.25	25/8	SK	A1	-	1/4	15/16	115/16	1/8	5.8
5-3V560-SK	5.60	5.55	25/8	SK	A1	-	1/4	15/16	115/16	1/8	7.0
5-3V600-SK	6.00	5.95	25/8	SK	A1	-	1/4	15/16	115/16	1/8	8.3
5-3V650-SK	6.50	6.45	25/8	SK	A1	-	1/4	15/16	115/16	1/8	9.0
5-3V690-SK	6.90	6.85	25/8	SK	A1	-	1/4	15/16	115/16	1/8	12.0
5-3V800-SK	8.00	7.95	25/8	SK	A2	43/8	1/4	15/16	115/16	1/8	13.0



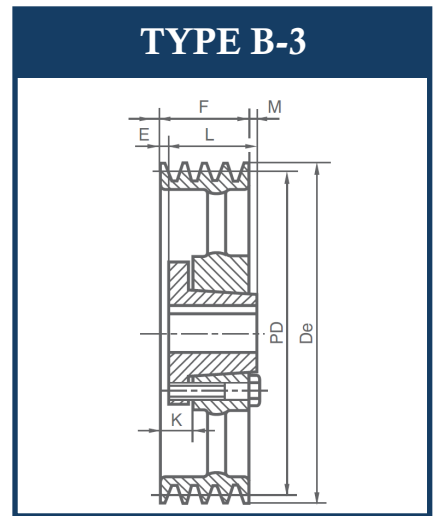
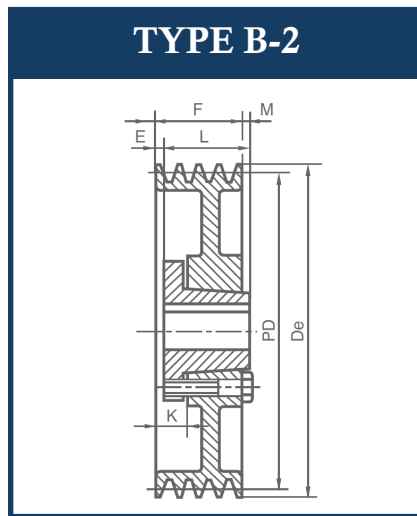
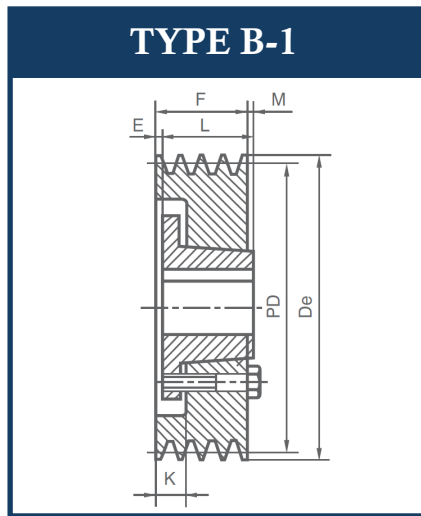
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
5-3V1060-SK	10.60	10.55	25/8	SK	A3	43/8	1/4	15/16	115/16	1/8	17.0
5-3V1400-SF	14.00	13.95	215/16	SF	A3	5	3/16	7/8	21/16	1/16	27.0
5-3V1900-SF	19.00	18.95	215/16	SF	A3	5	3/16	7/8	21/16	1/16	40.0
5-3V2500-SE	25.00	24.95	31/2	E	C3	61/4	1/4	5/8	25/8	1/16	69.0
5-3V-3350-E	33.50	33.45	31/2	E	C3	61/4	1/4	5/8	25/8	1/16	97.0
6-3V475-SK	4.75	4.70	2	SK	D1	-	9/16	1/8	115/16	1 11/32	6.0
6-3V500-SK	5.00	4.95	2	SK	D1	-	9/16	1/8	115/16	1 11/32	6.5
6-3V530-SK	5.30	5.25	25/8	SK	A1	-	5/8	15/16	115/16	5/32	6.8
6-3V560-SK	5.60	5.55	25/8	SK	A1		5/8	15/16	115/16	5/32	8.0
6-3V600-SK	6.00	5.95	25/8	SK	A1		5/8	15/16	115/16	5/32	9.0
6-3V650-SK	6.50	6.45	25/8	SK	A2	43/8	5/8	15/16	115/16	5/32	10.0
6-3V690-SK	6.90	6.85	25/8	SK	A2	43/8	5/8	15/16	115/16	5/32	11.5
6-3V800-SK	8.00	7.95	25/8	SK	A2	43/8	3/16	7/8	115/16	19/32	17.0
6-3V1060-SF	10.60	10.55	25/8	SF	A2	5	3/16	7/8	21/16	15/32	25.0
6-3V1400-SF	14.00	13.95	215/16	SF	A3	5	3/16	7/8	21/16	15/32	34.0
6-3V1900-E	19.00	18.95	215/16	E	B3	61/4	1/8	1	25/8	1/32	45.0
6-3V2500-E	25.00	24.95	31/2	E	B3	61/4	1/8	1	25/8	1/32	75.0
6-3V-3350-E	33.50	33.45	31/2	E	B3	61/4	1/8	1	25/8	1/32	98.0
8-3V475-SK	4.75	4.70	25/8	SK	D1	-	9/16	1/8	115/16	25/32	6.0
8-3V500-SK	5.00	4.95	25/8	SK	D1	-	9/16	1/8	115/16	25/32	6.9
8-3V530-SK	5.30	5.25	25/8	SK	A1		5/8	15/16	115/16	31/32	7.8
8-3V560-SK	5.60	5.55	25/8	SK	A1		5/8	15/16	115/16	31/32	9.0
8-3V600-SK	6.00	5.95	25/8	SK	A1		5/8	15/16	115/16	31/32	10.0
8-3V650-SK	6.50	6.45	25/8	SK	A2	43/8	5/8	15/16	115/16	31/32	12.9
8-3V690-SK	6.90	6.85	25/8	SK	A2	43/8	5/8	15/16	115/16	31/32	14.0
8-3V800-SF	8.00	7.95	215/16	SF	A1		7/16	11/8	21/16	11/32	20.0
8-3V1060-SF	10.60	10.55	215/16	SF	A2	5	7/16	11/8	21/16	11/32	28.0
8-3V1400-E	14.00	13.95	31/2	E	A3	61/4	3/8	11/4	25/8	17/32	40.0
8-3V1900-E	19.00	18.95	31/2	E	A3	61/4	3/8	11/4	25/8	17/32	62.0
8-3V2500-E	25.00	24.95	31/2	E	A3	61/4	3/8	11/4	25/8	17/32	87.0
8-3V-3350-F	33.50	33.45	315/16	F	B3	7	1/16	11/16	35/8	5/32	152
10-3V475-SK	4.75	4.70	25/8	SK	D1	-	9/16	1/8	115/16	231/32	7.0

All dimensions in millimeters unless otherwise stated.

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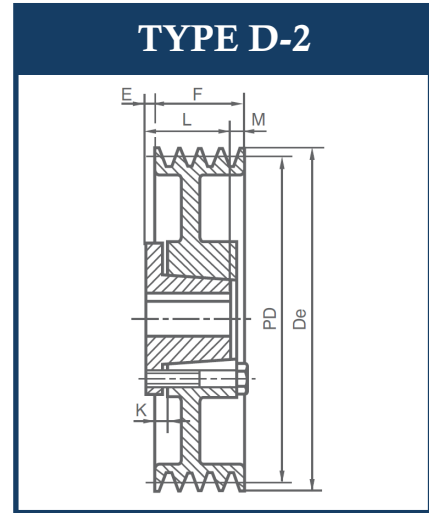
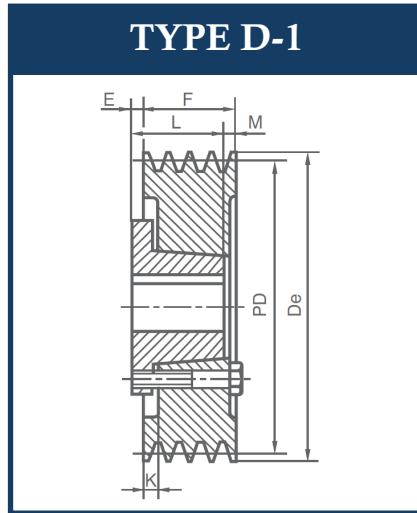
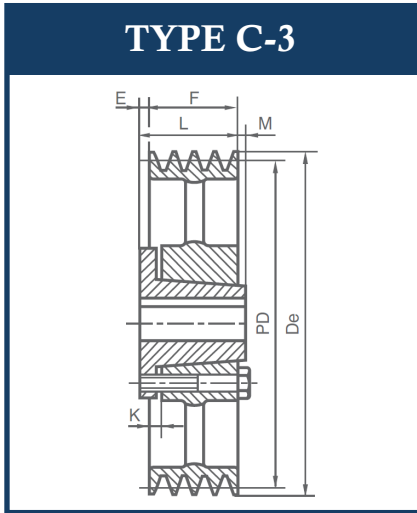
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
10-3V500-SK	5.00	4.95	25/8	SK	D1		9/16	1/8	115/16	231/32	8.6
10-3V530-SK	5.30	5.25	25/8	SK	A1		3/4	17/16	115/16	121/32	9.0
10-3V560-SK	5.60	5.55	25/8	SK	A1	-	3/4	17/16	115/16	121/32	10
10-3V600-SK	6.00	5.95	25/8	SK	A1		3/4	17/16	115/16	121/32	11
10-3V650-SK	6.50	6.45	25/8	SK	A2	43/8	3/4	17/16	115/16	121/32	14
10-3V690-SK	6.90	6.85	25/8	SK	A2	43/8	3/4	17/16	115/16	121/32	16
10-3V800-SF	8.00	7.95	215/16	SF	A1	-	13/16	11/2	21/16	115/32	22
10-3V1060-E	10.60	10.55	31/2	E	A2	61/4	3/8	11/4	25/8	111/32	33
10-3V1400-E	14.00	13.95	31/2	E	A3	61/4	3/8	11/4	25/8	111/32	43
10-3V1900-E	19.00	18.95	31/2	E	A3	61/4	3/8	11/4	25/8	111/32	66
10-3V2500-F	25.00	24.95	315/16	F	A3	7	5/16	15/16	35/8	13/32	98
10-3V-3350-F	33.50	33.45	315/16	F	A3	7	5/16	15/16	35/8	13/32	178
2-5V440-SH	4.40	4.30	111/16	SH	A1	-	5/16	7/8	15/16	1/16	4.0
2-5V465-SDS	4.65	4.55	2	SDS	E1		15/16		13/8	5/8	4.5
2-5V490-SDS	4.90	4.80	2	SDS	A1		1/16	11/16	13/8	1/4	5.0
2-5V520-SDS	5.20	5.10	2	SDS	A1		1/16	11/16	13/8	1/4	5.5
2-5V550-SDS	5.50	5.40	2	SDS	A1	-	1/16	11/16	13/8	1/4	6.0
2-5V590-SDS	5.90	5.80	2	SDS	A1	-	1/16	11/16	13/8	1/4	7.0
2-5V630-SK	6.30	6.20	25/8	SK	C1	-	1/4	7/16	115/16	-	8.0
2-5V670-SK	6.70	6.60	25/8	SK	C1	-	1/4	7/16	115/16	-	10
2-5V710-SK	7.10	7.00	25/8	SK	C1		1/4	7/16	115/16	-	11
2-5V750-SK	7.50	7.40	25/8	SK	C1		1/4	7/16	115/16		13
2-5V500-SK	8.00	7.90	25/8	SK	C1	-	1/4	7/16	115/16	-	14
2-5V850-SK	8.50	8.40	25/8	SK	C1	-	1/4	7/16	115/16		15
2-5V900-SK	9.00	8.90	25/8	SK	C2	43/8	1/4	7/16	115/16	-	16
2-5V925-SK	9.25	9.15	25/8	SK	C2	43/8	1/4	7/16	115/16		16
2-5V975-SK	9.75	9.65	25/8	SK	C3	43/8	1/4	7/16	115/16	-	17
2-5V1030-SK	10.30	10.20	25/8	SK	C3	43/8	1/4	7/16	115/16	-	18
2-5V1090-SK	10.90	10.80	25/8	SK	C3	43/8	1/4	7/16	115/16	-	19
2-5V1130-SK	11.30	11.20	25/8	SK	C3	43/8	1/4	7/16	115/16		19
2-5V1180-SK	11.80	11.70	25/8	SK	C3	43/8	1/4	7/16	115/16		20
2-5V1250-SF	12.50	12.40	215/16	SF	C3	5	1/4	7/16	21/16	1/8	25



SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
2-5V1320-SF	13.20	13.10	215/16	SF	C3	5	1/4	7/16	21/16	1/8	27
2-5V1400-SF	14.00	13.90	215/16	SF	C3	5	1/4	7/16	21/16	1/8	28
2-5V1500-SF	15.00	14.90	215/16	SF	C3	5	1/4	7/16	21/16	1/8	30
2-5V1600-SF	16.00	15.90	215/16	SF	C3	5	1/4	7/16	21/16	1/8	34
2-5V1870-SF	18.70	18.60	215/16	SF	C3	5	1/4	7/16	21/16	1/8	49
2-5V2120-SF	21.20	20.10	215/16	SF	C3	5	1/4	7/16	21/16	1/8	50
2-5V2360-E	23.60	23.50	31/2	E	C3	61/4	5/8	1/4	25/8	5/16	72
2-5V2800-E	28.00	27.90	31/2	E	C3	61/4	5/8	1/4	25/8	5/16	80
3-5V440-SDS	4.40	4.30	2	SDS	E1	31/2	15/8	-	13/8	5/8	5.5
3-5V465-SDS	4.65	4.55	2	SDS	E1	31/2	15/8	-	13/8	5/8	6.5
3-5V490-SDS	4.90	4.80	2	SDS	A1	-	7/16	11/16	13/8	9/16	7.0
3-5V520-SDS	5.20	5.10	2	SDS	A1	-	7/16	11/16	13/8	9/16	7.5
3-5V550-SDS	5.50	5.40	2	SDS	A1	-	7/16	11/16	13/8	9/16	8.0
3-5V590-SDS	5.90	5.80	2	SDS	A1	-	7/16	11/16	13/8	9/16	8.5
3-5V630-SK	6.30	6.20	25/8	SK	A1	-	3/8	11/16	115/16	1/16	11.0
3-5V670-SK	6.70	6.60	25/8	SK	A1	-	3/8	11/16	115/16	1/16	11.5
3-5V710-SF	7.10	7.00	215/16	SF	A1	-	5/16	1	21/16	-	13.0
3-5V750-SF	7.50	7.40	215/16	SF	A1	-	5/16	1	21/16	-	14.0
3-5V800-SF	8.00	7.90	215/16	SF	A1	-	5/16	1	21/16	-	15.0
3-5V850-SF	8.50	8.40	215/16	SF	A2	5	5/16	1	21/16	-	16.0
3-5V900-SF	9.00	8.90	215/16	SF	A2	5	5/16	1	21/16	-	17.0
3-5V925-SF	9.25	9.15	215/16	SF	A2	5	5/16	1	21/16	-	18.0
3-5V975-SF	9.75	9.65	215/16	SF	A2	5	5/16	1	21/16	-	19.0
3-5V1030-SF	10.30	10.20	215/16	SF	A2	5	5/16	1	21/16	-	22.0
3-5V1090-SF	10.90	10.80	215/16	SF	A2	5	5/16	1	21/16	-	25.0
3-5V1130-SF	11.30	11.20	215/16	SF	A3	5	5/16	1	21/16	-	26.0
3-5V1180-SF	11.80	11.70	215/16	SF	A3	5	5/16	1	21/16	-	28.0
3-5V1250-E	12.50	12.40	31/2	E	C3	61/4	1/8	3/4	25/8	1/8	34.0
3-5V1320-E	13.20	13.10	31/2	E	C3	61/4	1/8	3/4	25/8	1/8	38.0
3-5V1400-E	14.00	13.90	31/2	E	C3	61/4	1/8	3/4	25/8	1/8	43.0
3-5V1500-E	15.00	14.90	31/2	E	C3	61/4	1/8	3/4	25/8	1/8	44.0
3-5V1600-E	16.00	15.90	31/2	E	C3	61/4	1/8	3/4	25/8	1/8	46.0

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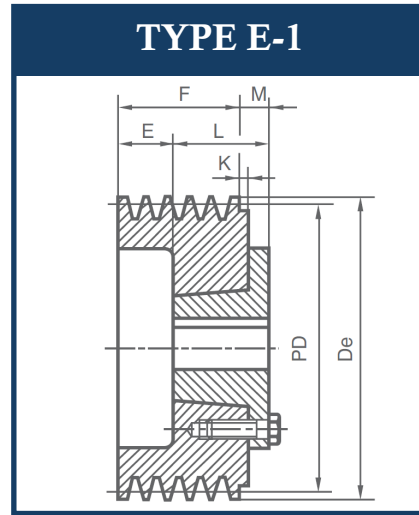
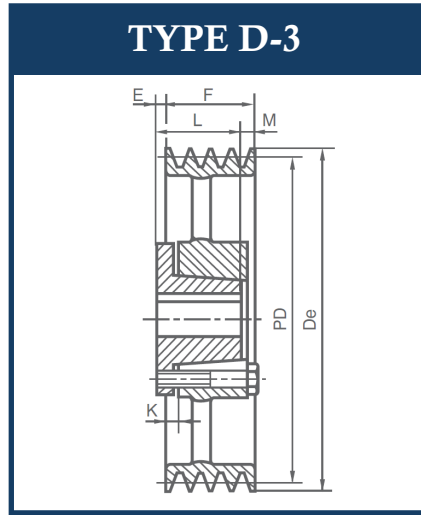
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush
3-5V1870-E	18.70	18.60	31/2	E C3	61/4	1/8	3/4	25/8	1/8	60.0
3-5V2120-E	21.20	21.10	31/2	E C3	61/4	1/8	3/4	25/8	1/8	68.0
3-5V2360-E	23.60	23.50	31/2	E C3	61/4	1/8	3/4	25/8	1/8	80.0
3-5V2800-E	28.00	27.90	31/2	E C3	61/4	1/8	3/4	25/8	1/8	92.0
3-5V3150-F	31.50	31.40	315/16	F C3	7	7/16	9/16	35/8	13/16	136
3-5V3750-F	37.50	37.40	315/16	F C3	7	7/16	9/16	35/8	13/16	156
3-5V5000-F	50.00	49.90	315/16	F C3	7	7/16	9/16	35/8	13/16	210
4-5V440-SD	4.40	4.30	2	SD E1	31/2	17/8	-	113/16	5/8	5.0
4-5V465-SD	4.65	4.55	2	SD E1	31/2	17/8	-	113/16	5/8	6.0
4-5V490-SD	4.90	4.80	2	SD A1	-	11/16	15/16	113/16	9/16	7.0
4-5V520-SD	5.20	5.10	2	SD A1	-	11/16	15/16	113/16	9/16	8.0
4-5V550-SD	5.50	5.40	2	SD A1	-	11/16	15/16	113/16	9/16	9.0
4-5V590-SD	5.90	5.80	2	SD A1	-	11/16	15/16	113/16	9/16	10.8
4-5V630-SK	6.30	6.20	25/8	SK A1	-	5/8	15/16	115/16	1/2	12.0
4-5V670-SK	6.70	6.60	25/8	SK A1	-	5/8	15/16	115/16	1/2	14.0
4-5V710-SF	7.10	7.00	215/16	SF A1	-	3/8	11/16	21/16	5/8	15.0
4-5V750-SF	7.50	7.40	215/16	SF A1	-	3/8	11/16	21/16	5/8	16.0
4-5V800-E	8.00	7.90	31/2	E B1	-	9/16	17/16	25/8	1/8	19.0
4-5V850-E	8.50	8.40	31/2	E B1	-	9/16	17/16	25/8	1/8	23.0
4-5V900-E	9.00	8.90	31/2	E B1	-	9/16	17/16	25/8	1/8	25.0
4-5V925-E	9.25	9.15	31/2	E B1	-	9/16	17/16	25/8	1/8	26.0
4-5V975-E	9.75	9.65	31/2	E B1	-	9/16	17/16	25/8	1/8	28.0
4-5V1030-E	10.30	10.20	31/2	E B1	-	9/16	17/16	25/8	1/8	30.0
4-5V1090-E	10.90	10.80	31/2	E B1	-	9/16	17/16	25/8	1/8	39.0
4-5V1130-E	11.30	11.20	31/2	E B1	-	9/16	17/16	25/8	1/8	40.0
4-5V1180-E	11.80	11.70	31/2	E B1	-	9/16	17/16	25/8	1/8	41.0
4-5V1250-E	12.50	12.40	31/2	E B3	61/4	9/16	17/16	25/8	1/8	43.0
4-5V1320-E	13.20	13.10	31/2	E B3	61/4	9/16	17/16	25/8	1/8	45.0
4-5V1400-E	14.00	13.90	31/2	E B3	61/4	9/16	17/16	25/8	1/8	46.0
4-5V1500-E	15.00	14.90	31/2	E B3	61/4	9/16	17/16	25/8	1/8	47.0
4-5V1600-E	16.00	15.90	31/2	E B3	61/4	9/16	17/16	25/8	1/8	49.0
4-5V1870-E	18.70	18.60	31/2	E A3	61/4	3/8	11/4	25/8	1/16	71.0

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V-pulleys

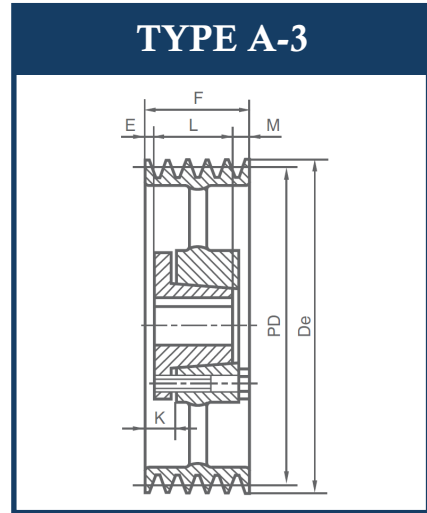
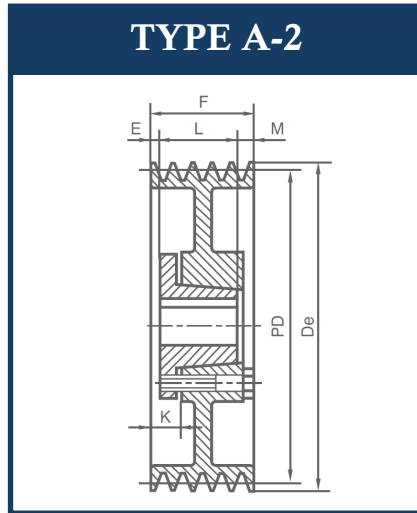
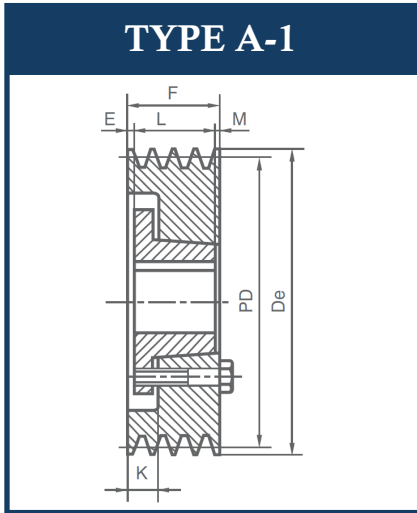
5v-QTL Taper bushing



SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
4-5V2120-E	20.20	21.10	31/2	E	A3	61/4	3/8	11/4	25/8	1/16	72.0
4-5V2360-F	23.60	23.50	315/16	F	C3	7	1/8	7/8	35/8	7/16	111
4-5V2800-F	28.00	27.90	315/16	F	C3	7	1/8	7/8	35/8	7/16	118
4-5V3150-F	31.50	31.40	315/16	F	C3	7	1/8	7/8	35/8	7/16	147
4-5V3750-F	37.50	37.40	315/16	F	C3	7	1/8	7/8	35/8	7/16	178
4-5V5000-J	50.00	49.90	41/2	J	C3	73/4	1/2	11/16	41/2	15/16	266
5-5V440-SD	4.40	4.30	2	SD	E1	31/2	29/16	-	113/16	5/8	6.0
5-5V465-SD	4.65	4.55	2	SD	E1	31/2	29/16		113/16	5/8	7.0
5-5V490-SD	4.90	4.80	2	SD	A1	-	11/16	15/16	113/16	11/4	8.0
5-5V520-SD	5.20	5.10	2	SD	A1	-	11/16	15/16	113/16	11/4	9.0
5-5V550-SD	5.50	5.40	2	SD	A1	-	11/16	15/16	113/16	11/4	10
5-5V590-SK	5.90	5.80	2	SK	A1	-	5/8	15/16	115/16	13/16	11
5-5V630-SK	6.30	6.20	25/8	SK	A1	-	5/8	15/16	115/16	13/16	12
5-5V670-SF	6.70	6.60	25/8	SF	A1	-	5/8	15/16	21/16	11/16	16
5-5V710-SF	7.10	7.00	215/16	SF	A1	-	11/16	13/8	21/16	1	14
5-5V750-SF	7.50	7.40	215/16	SF	A1	-	11/16	13/8	21/16	1	13
5-5V800-E	8.00	7.90	31/2	E	A1	-	7/8	13/4	25/8	1/4	19
5-5V850-E	8.50	8.40	31/2	E	A1	-	7/8	13/4	25/8	1/4	22
5-5V900-E	9.00	8.90	31/2	E	A1	-	7/8	13/4	25/8	1/4	26
5-5V925-E	9.25	9.15	31/2	E	A1	-	7/8	13/4	25/8	1/4	28
5-5V975-E	9.75	9.65	31/2	E	A1	/	7/8	13/4	25/8	1/4	30
5-5V1030-E	10.30	10.20	31/2	E	A1	-	7/8	13/4	25/8	1/4	33
5-5V1090-E	10.90	10.80	31/2	E	A1	-	7/8	13/4	25/8	1/4	41
5-5V1130-E	11.30	11.20	31/2	E	A1	-	7/8	13/4	25/8	1/4	42
5-5V1180-E	11.80	11.70	31/2	E	A1		7/8	13/4	25/8	1/4	44
5-5V1250-E	12.50	12.40	31/2	E	A3	61/4	7/8	13/4	25/8	1/4	45
5-5V1320-E	13.20	13.10	31/2	E	A3	61/4	7/8	13/4	25/8	1/4	46
5-5V1400-E	14.00	13.90	31/2	E	A3	61/4	7/8	13/4	25/8	1/4	47
5-5V1500-E	15.00	14.90	31/2	E	A3	61/4	7/8	13/4	25/8	1/4	53
5-5V1600-E	16.00	15.90	31/2	E	A3	61/4	7/8	13/4	25/8	1/4	56
5-5V1870-F	18.70	18.60	31/2	F	B3	7	5/16	15/16	35/8	3/16	96
5-5V2120-F	21.20	21.10	31/2	F	B3	7	5/16	15/16	35/8	3/16	98

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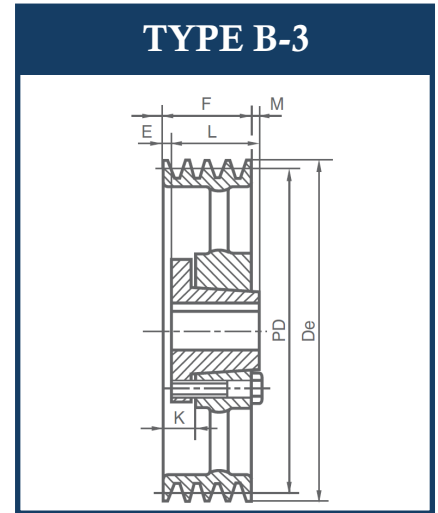
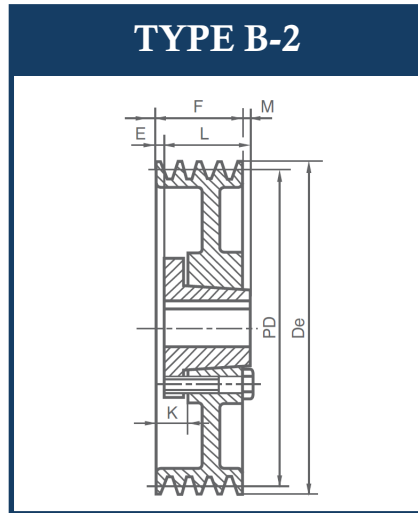
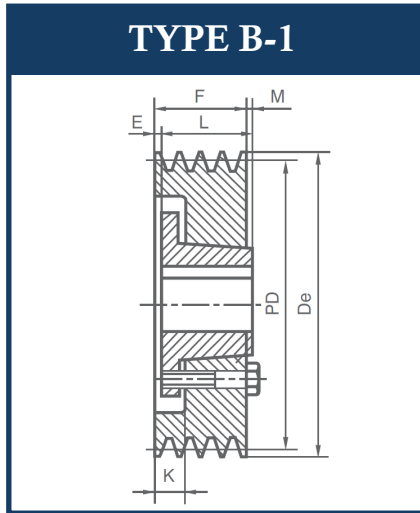
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SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush
5-5V2360-F	23.60	23.50	315/16	F B3	7	5/16	15/16	35/8	3/16	120
5-5V2800-F	28.00	27.90	315/16	F B3	7	5/16	15/16	35/8	3/16	135
5-5V3150-J	31.50	31.40	315/16	J C3	73/4	3/16	1	41/2	9/16	188
5-5V3750-J	37.50	37.40	315/16	J C3	73/4	3/16	1	41/2	9/16	224
5-5V5000-J	50.00	49.90	41/2	J C3	73/4	3/16	1	41/2	9/16	308
6-5V440-SD	4.40	4.30	2	SD E1	31/2	31/4	-	113/16	5/8	7.0
6-5V465-SD	4.65	4.55	2	SD E1	31/2	31/4	-	113/16	5/8	7.8
6-5V490-SD	4.90	4.80	2	SD A1	-	11/16	1 5/16	113/16	115/16	9.0
6-5V520-SD	5.20	5.10	2	SD A1	-	11/16	1 5/16	113/16	115/16	10.8
6-5V550-SD	5.50	5.40	2	SD A1	-	11/16	1 5/16	113/16	115/16	11.3
6-5V590-SK	5.90	5.80	25/8	SK A1	-	5/8	1 5/16	115/16	17/8	12.0
6-5V630-SK	6.30	6.20	25/8	SK A1	-	5/8	1 5/16	115/16	17/8	13.0
6-5V670-SF	6.70	6.60	215/16	SF A1	-	15/16	1 5/8	21/16	17/16	14.0
6-5V710-SF	7.10	7.00	215/16	SF A1	-	15/16	1 5/8	21/16	17/16	15.0
6-5V750-SF	7.50	7.40	215/16	SF A1	-	15/16	1 5/8	21/16	17/16	17.0
6-5V800-E	8.00	7.90	31/2	E A1	-	11/8	2	25/8	11/16	20.0
6-5V850-E	8.50	8.40	31/2	E A1	-	11/8	2	25/8	11/16	25.0
6-5V900-E	9.00	8.90	31/2	E A1	-	11/8	2	25/8	11/16	28.0
6-5V925-E	9.25	9.15	31/2	E A1	-	11/8	2	25/8	11/16	29.0
6-5V975-E	9.75	9.65	31/2	E A1	-	11/8	2	25/8	11/16	31.0
6-5V1030-E	10.30	10.20	31/2	E A1	-	11/8	2	25/8	11/16	33.0
6-5V1090-E	10.90	10.80	31/2	E A1	-	11/8	2	25/8	11/16	38.0
6-5V1130-E	11.30	11.20	31/2	E A1	-	11/8	2	25/8	11/16	41.0
6-5V1180-E	11.80	11.70	31/2	E A1	-	11/8	2	25/8	11/16	43.0
6-5V1250-F	12.50	12.40	315/16	F B3	7	11/16	21/16	35/8	1/4	45.0
6-5V1320-F	13.20	13.10	315/16	F B3	7	11/16	21/16	35/8	1/4	48.0
6-5V1400-F	14.00	13.90	315/16	F B3	7	11/16	21/16	35/8	1/4	59.0
6-5V1500-F	15.00	14.90	315/16	F B3	7	11/16	21/16	35/8	1/4	64.0
6-5V1600-F	16.00	15.90	315/16	F B3	7	11/16	21/16	35/8	1/4	68.0
6-5V1870-F	18.70	18.60	315/16	F A3	7	5/16	15/16	35/8	1/2	84.0
6-5V2120-F	21.20	21.10	315/16	F A3	7	5/16	15/16	35/8	1/2	110
6-5V2360-J	23.60	23.50	41/2	J B3	73/4	1/8	15/16	41/2	3/16	148

All dimensions in millimeters unless otherwise stated.

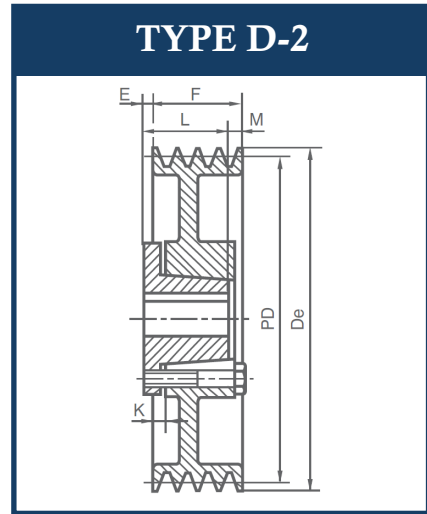
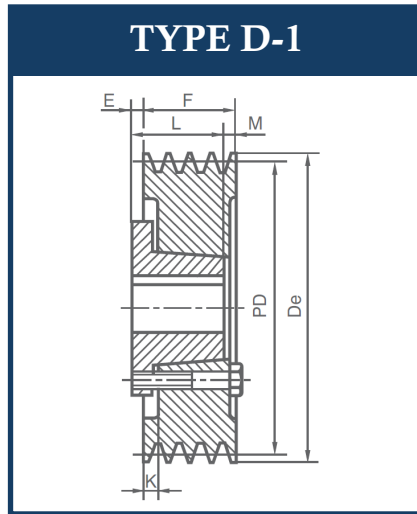
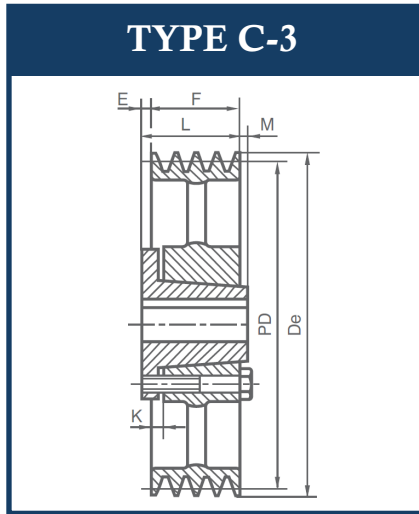
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SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
6-5V2800-J	28.00	27.90	41/2	J	B3	73/4	1/8	15/16	41/2	3/16	169
6-5V3150-J	31.50	31.40	41/2	J	B3	73/4	1/8	15/16	41/2	3/16	206
6-5V3750-J	37.50	37.40	41/2	J	B3	73/4	1/8	15/16	41/2	3/16	241
6-5V5000-M	50.00	49.90	51/2	M	C3	91/2	1/8	1/2	63/4	13/8	388
8-5V710-SF	7.10	7.00	215/16	SF	A1		17/16	21/8	21/16	25/16	19
8-5V750-SF	7.50	7.40	215/16	SF	A1		17/16	21/8	21/16	25/16	20
8-5V800-E	8.00	7.90	31/2	E	A1		15/8	21/2	25/8	19/16	25
8-5V850-E	8.50	8.40	31/2	E	A1		15/8	21/2	25/8	19/16	29
8-5V900-E	9.00	8.90	31/2	E	A1		15/8	21/2	25/8	19/16	32
8-5V925-F	9.25	9.15	31/2	F	A1	-	19/16	29/16	35/8	5/8	39
8-5V975-F	9.75	9.65	315/16	F	A1	-	19/16	29/16	35/8	5/8	42
8-5V1030-F	10.30	10.20	315/16	F	A1	-	19/16	29/16	35/8	5/8	52
8-5V1090-F	10.90	10.80	315/16	F	A1	-	19/16	29/16	35/8	5/8	59
8-5V1130-F	11.30	11.20	315/16	F	A1	-	19/16	29/16	35/8	5/8	62
8-5V1180-F	11.80	11.70	315/16	F	A1	-	19/16	29/16	35/8	5/8	64
8-5V1250-F	12.50	12.40	315/16	F	A3	7	19/16	29/16	35/8	5/8	66
8-5V1320-F	13.20	13.10	315/16	F	A3	7	19/16	29/16	35/8	5/8	68
8-5V1400-F	14.00	13.90	315/16	F	A3	7	19/16	29/16	35/8	5/8	70
8-5V1500-F	15.00	14.90	315/16	F	A3	7	19/16	29/16	35/8	5/8	73
8-5V1600-F	16.00	15.90	315/16	F	A3	7	19/16	19/16	35/8	5/8	89
8-5V1870-J	18.70	18.60	41/2	J	A3	73/4	3/8	19/16	41/2	15/16	132
8-5V2120-J	21.20	21.10	41/2	J	A3	73/4	3/8	19/16	41/2	15/16	150
8-5V2360-J	23.60	23.50	41/2	J	A3	73/4	3/8	19/16	41/2	15/16	162
8-5V2800-J	28.00	27.90	41/2	J	A3	73/4	3/8	19/16	41/2	15/16	191
8-5V3150-M	31.50	31.40	51/2	M	B3	91/2	1/2	115/16	63/4	17/16	298
8-5V3750-M	37.50	37.40	51/2	M	B3	91/2	1/2	115/16	63/4	17/16	319
8-5V5000-M	50.00	49.90	51/2	M	B3	91/2	1/2	115/16	63/4	17/16	497
10-5V800-E	8.00	7.90	31/2	E	A1	-	23/8	31/4	25/8	23/16	27
10-5V850-E	8.50	8.40	31/2	E	A1	-	23/8	31/4	25/8	23/16	32
10-5V900-F	9.00	8.90	315/16	F	A1	-	25/16	35/16	35/8	11/4	41
10-5V925-F	9.25	9.15	315/16	F	A1	-	25/16	35/16	35/8	11/4	47
10-5V975-F	9.75	9.65	315/16	F	A1	-	25/16	35/16	35/8	11/4	58

All dimensions in millimeters unless otherwise stated.

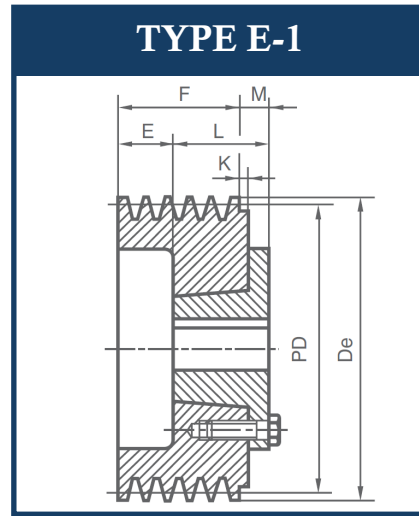
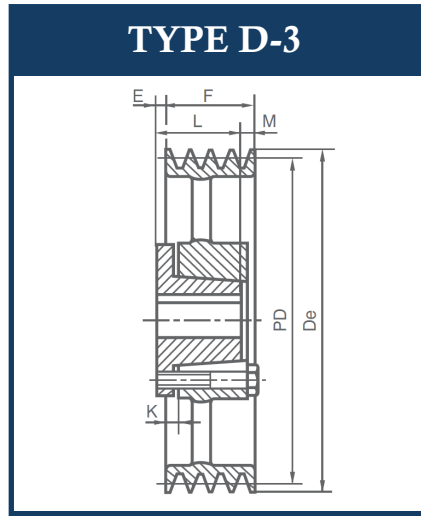
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SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush	
10-5V1030-F	10.30	10.20	315/16	F	A1	-	25/16	35/16	35/8	11/4	66
10-5V1090-F	10.90	10.80	315/16	F	A1	-	25/16	35/16	35/8	11/4	75
10-5V1130-F	11.30	11.20	315/16	F	A1	-	25/16	35/16	35/8	11/4	79
10-5V1180-F	11.80	11.70	315/16	F	A1	-	25/16	35/16	35/8	11/4	80
10-5V1250-J	12.50	12.40	41/2	J	A1	-	23/8	39/16	41/2	5/16	82
10-5V1320-J	13.20	13.10	41/2	J	A1	-	23/8	39/16	41/2	5/16	85
10-5V1400-J	14.00	13.90	41/2	J	A2	73/4	23/8	39/16	41/2	5/16	90
10-5V1500-J	15.00	14.90	41/2	J	A2	73/4	23/8	39/16	41/2	5/16	92
10-5V1600-J	16.00	15.90	41/2	J	A2	-	23/8	39/16	41/2	5/16	102
10-5V1870-J	18.70	18.60	41/2	J	A3	73/4	3/8	19/16	41/2	23/16	150
10-5V2120-J	21.20	21.10	41/2	J	A3	73/4	3/8	19/16	41/2	23/16	164
10-5V2360-M	23.60	23.50	41/2	M	B3	91/2	1/2	115/16	63/4	1/16	258
10-5V2800-M	28.00	27.90	51/2	M	B3	91/2	1/2	115/16	63/4	1/16	278
10-5V3150-M	31.50	31.40	51/2	M	B3	91/2	1/2	115/16	63/4	1/16	318
10-5V3750-M	37.50	37.40	51/2	M	B3	91/2	1/2	115/16	63/4	1/16	340
10-5V5000-M	50.00	49.90	51/2	M	B3	91/2	1/2	115/16	63/4	1/16	538
4-8V1250-F	12.50	12.30	315/16	F	A1		3/16	13/16	35/8	11/16	63
4-8V1320-F	13.20	13.00	315/16	F	A2	7	3/16	13/16	35/8	11/16	66
4-8V1400-F	14.00	13.80	315/16	F	A2	7	3/16	13/16	35/8	11/16	70
4-8V1500-F	15.00	14.80	315/16	F	A2	7	3/16	13/16	35/8	11/16	74
4-8V1600-F	16.00	15.80	315/16	F	A2	7	3/16	13/16	35/8	11/16	82
4-8V1700-F	17.00	16.80	315/16	F	A3	7	3/16	13/16	35/8	11/16	94
4-8V1800-F	18.00	17.80	315/16	F	A3	7	3/16	13/16	35/8	11/16	99
4-8V1900-F	19.00	18.80	315/16	F	A3	7	3/16	13/16	35/8	11/16	105
4-8V2000-J	20.00	19.80	41/2	J	A3	73/4	1/4	17/16	41/2	1/8	141
4-8V2120-J	21.20	21.00	41/2	J	A3	73/4	1/4	17/16	41/2	1/8	150
4-8V2240-J	22.40	22.20	41/2	J	A3	73/4	1/4	17/16	41/2	1/8	177
4-8V2480-M	24.80	24.60	51/2	M	C3	91/2	5/8	13/16	63/4	11/4	223
4-8V3000-M	30.00	29.80	51/2	M	C3	91/2	5/8	13/16	63/4	11/4	285
4-8V3550-M	35.50	35.30	51/2	M	C3	91/2	5/8	13/16	63/4	11/4	305
4-8V4000-M	40.00	39.80	51/2	M	C3	91/2	5/8	13/16	63/4	11/4	355
4-8V4450-M	44.50	44.30	51/2	M	C3	91/2	5/8	13/16	63/4	11/4	369

All dimensions in millimeters unless otherwise stated.

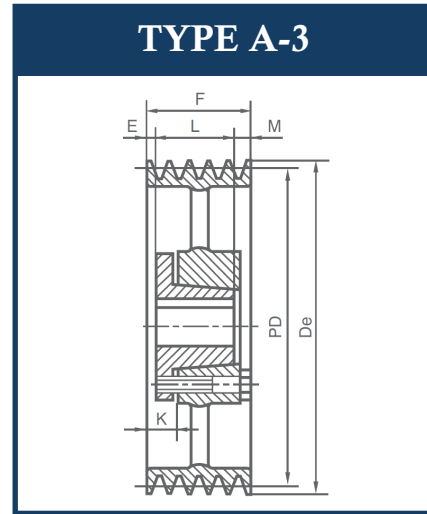
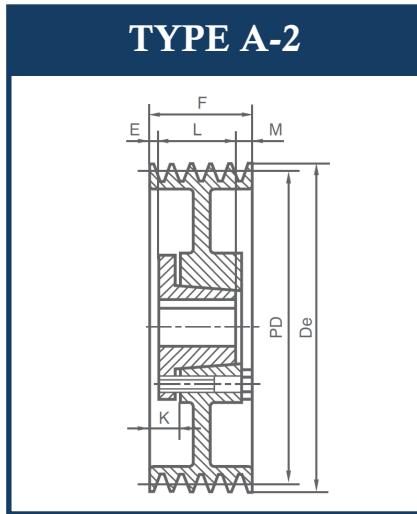
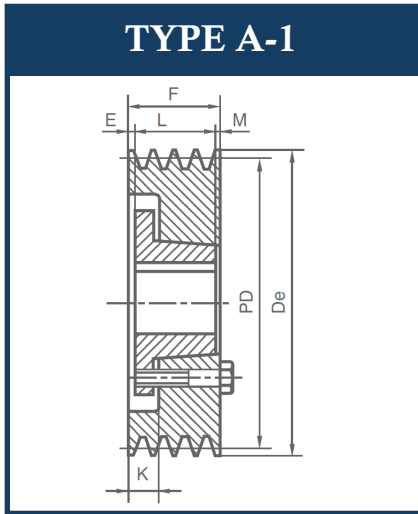
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SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
4-8V5300-M	53.00	52.80	51/2	M	C3	91/2	3/8	13/16	63/4	11/4	478
5-8V1250-F	12.50	12.30	315/16	F	A1	-	15/16	25/16	35/8	11/16	68
5-8V1320-F	13.20	13.00	315/16	F	A2	7	15/16	25/16	35/8	11/16	75
5-8V1400-F	14.00	13.80	315/16	F	A2	7	15/16	25/16	35/8	11/16	78
5-8V1500-F	15.0	14.80	315/16	F	A2	7	15/16	25/16	35/8	11/16	94
5-8V1600-F	16.00	15.80	315/16	F	A2	7	15/16	25/16	35/8	11/16	101
5-8V1700-J	17.00	16.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	111
5-8V1800-J	18.00	17.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	130
5-8V1900-J	19.00	18.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	135
5-8V2000-J	20.00	19.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	152
5-8V2120-J	21.20	21.00	41/2	J	A3	73/4	13/16	2	41/2	11/16	183
5-8V2240-M	22.40	22.20	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	223
5-8V2480-M	24.80	24.60	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	254
5-8V3000-M	30.00	29.80	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	294
5-8V3550-M	35.50	35.30	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	325
5-8V4000-M	40.00	39.80	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	430
5-8V4450-N	44.50	44.30	6	N	C3	101/2	13/16	15/16	81/8	15/16	485
5-8V5300-N	53.00	52.80	6	N	C3	101/2	13/16	15/16	81/8	15/16	672
6-8V1250-F	12.50	12.30	315/16	F	A1	-	15/16	25/16	35/8	23/16	86
6-8V1320-F	13.20	13.00	315/16	F	A1		15/16	25/16	35/8	23/16	94
6-8V1400-F	14.00	13.80	315/16	F	A1		15/16	25/16	35/8	23/16	108
6-8V1500-J	15.00	14.80	41/2	J	A1		13/8	29/16	41/2	11/4	138
6-8V1600-J	16.00	15.80	41/2	J	A1		13/8	29/16	41/2	11/4	142
6-8V1700-J	17.00	16.80	41/2	J	A2	73/4	13/8	29/16	41/2	11/4	144
6-8V1800-J	18.00	17.80	41/2	J	A2	73/4	13/8	29/16	41/2	11/4	160
6-8V1900-J	19.00	18.80	41/2	J	A2	73/4	13/8	29/16	41/2	11/4	172
6-8V2000-M	20.00	19.80	51/2	M	B2	91/2	11/2	215/16	63/4	11/8	204
6-8V2120-M	21.20	21.00	51/2	M	B2	91/2	11/2	215/16	63/4	11/8	226
6-8V2240-M	22.40	22.20	51/2	M	B3	91/2	11/2	215/16	63/4	11/8	235
6-8V2480-M	24.80	24.60	51/2	M	B3	91/2	1/2	115/16	63/4	1/8	246
6-8V3000-M	30.00	29.80	51/2	M	B3	91/2	1/2	115/16	63/4	1/8	306
6-8V3550-N	35.50	35.30	6	N	C3	101/2	5/8	11/8	81/8	3/8	466

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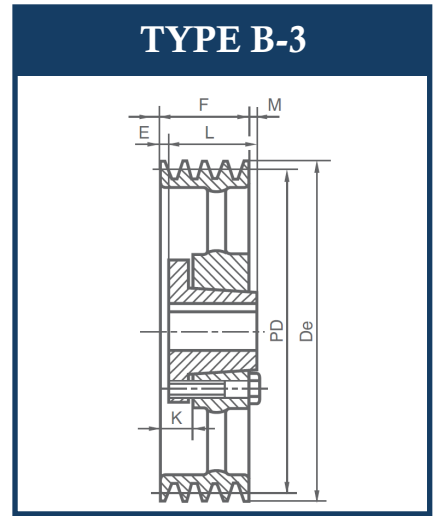
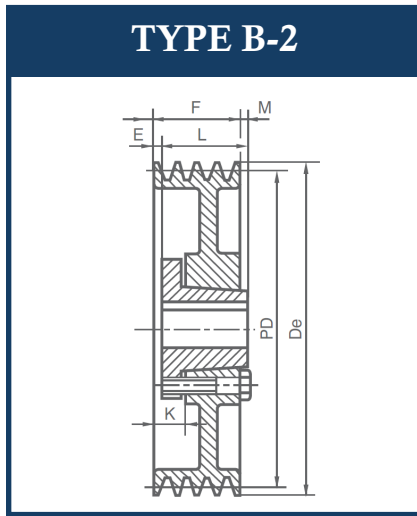
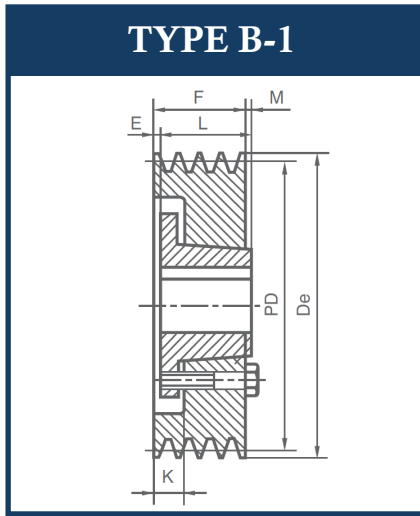
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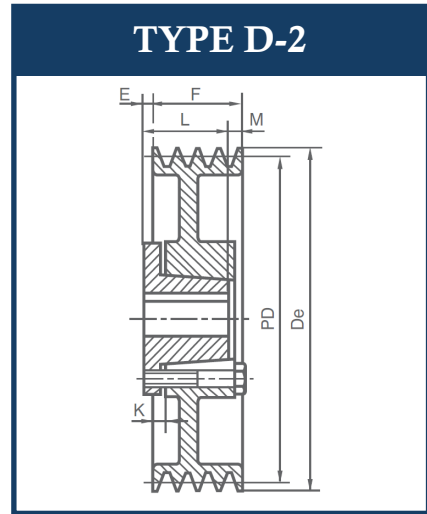
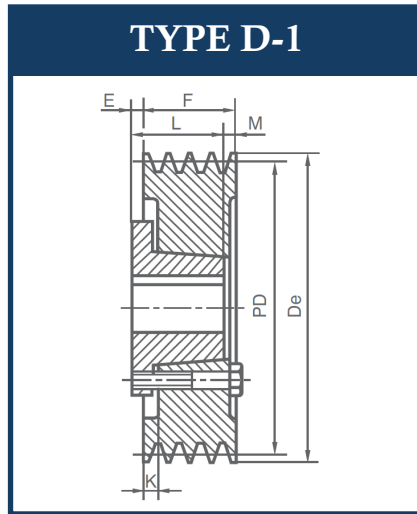
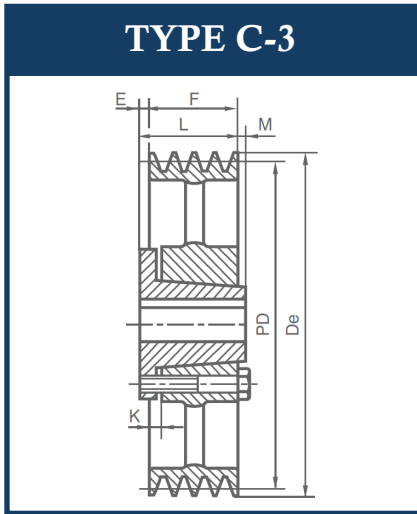
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush	
6-8V4000-N	40.00	39.80	6	N	C3	101/2	5/8	11/8	81/8	3/8	548
6-8V4450-N	44.50	44.30	6	N	C3	101/2	5/8	11/8	81/8	3/8	590
6-8V5300-N	53.00	52.80	6	N	C3	101/2	5/8	11/8	81/8	3/8	658
6-8V6300-P	63.00	62.80	63/4	P	C3	121/4	-	2	93/8	17/8	860
6-8V7100-P	71.00	70.80	63/4	P	C3	121/4	5/8	25/8	93/8	21/2	1272
8-8V1250-J	12.50	12.30	41/2	J	A1	-	23/8	39/16	41/2	2 1/2	108
8-8V1320-J	13.20	13.00	41/2	J	A1	-	23/8	39/16	41/2	2 1/2	118
8-8V1400-J	14.00	13.80	41/2	J	A1		23/8	39/16	41/2	2 1/2	131
8-8V1500-J	15.00	14.80	41/2	J	A1		23/8	39/16	41/2	2 1/2	151
8-8V1600-J	16.00	15.80	41/2	J	A1		23/8	39/16	41/2	2 1/2	155
8-8V1700-M	17.00	16.80	51/2	M	A2	91/2	21/2	315/16	63/4	1/8	188
8-8V1800-M	18.00	17.80	51/2	M	A2	91/2	21/2	315/16	63/4	1/8	202
8-8V1900-M	19.00	18.80	51/2	M	A2	91/2	21/2	315/16	63/4	1/8	221
8-8V2000-M	20.00	19.80	51/2	M	A2	91/2	21/2	315/16	63/4	1/8	236
8-8V2120-M	21.20	21.00	51/2	M	A2	91/2	21/2	315/16	63/4	1/8	267
8-8V2240-M	22.40	22.20	51/2	M	A3	91/2	21/2	315/16	63/4	1/8	284
8-8V2480-N	24.80	24.60	6	N	A3	101/2	1/2	21/4	81/8	3/4	418
8-8V3000-N	30.00	29.80	6	N	A3	101/2	1/2	21/4	81/8	3/4	447
8-8V3550-N	35.50	35.30	6	N	A3	101/2	1/2	21/4	81/8	3/4	553
8-8V4000-N	40.00	39.80	6	N	A3	101/2	1/2	21/4	81/8	3/4	648
8-8V4450-P	44.50	44.30	63/4	P	B3	121/4	5/8	25/8	9 3/8	5/8	679
8-8V5300-P	53.00	52.80	63/4	P	B3	121/4	5/8	25/8	93/8	5/8	946
8-8V6300-P	63.00	62.80	63/4	P	B3	121/4	5/8	25/8	93/8	5/8	1372
8-8V7100-W	71.00	70.80	81/2	W	C3	16	7/8	13/8	113/8	3/4	1680
10-8V1250-J	12.50	12.30	41/2	J	A1	-	23/8	39/16	41/2	43/4	122
10-8V1320-J	13.20	13.00	41/2	J	A1	-	23/8	39/16	41/2	43/4	140
10-8V1400-J	14.00	13.80	41/2	J	A1	-	23/8	39/16	41/2	43/4	152
10-8V1500-M	15.00	14.80	51/2	M	A1	-	21/2	315/16	63/4	23/8	212
10-8V1600-M	16.00	15.80	51/2	M	A1		21/2	315/16	63/4	23/8	219
10-8V1700-M	17.00	16.80	51/2	M	A2	91/2	21/2	315/16	63/4	23/8	228
10-8V1800-M	18.00	17.80	51/2	M	A2	91/2	21/2	315/16	63/4	23/8	236
10-8V1900-M	19.00	18.80	51/2	M	A2	91/2	21/2	315/16	63/4	23/8	260

All dimensions in millimeters unless otherwise stated.

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SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush	
10-8V2000-M	20.00	19.80	51/2	M	A2	91/2	21/2	315/16	63/4	23/8	280
10-8V2120-M	21.20	21.00	51/2	M	A2	91/2	21/2	315/16	63/4	23/8	298
10-8V2240-N	22.40	22.20	6	N	A2	101/2	1/2	21/4	81/8	3	366
10-8V2480-N	24.80	24.60	6	N	A2	101/2	1/2	21/4	81/8	3	454
10-8V3000-N	30.00	29.80	6	N	A3	101/2	1/2	21/4	81/8	3	468
10-8V3550-P	35.50	35.30	63/4	P	A3	121/4	5/8	25/8	93/8	15/8	784
10-8V4000-P	40.00	39.80	63/4	P	A3	121/4	5/8	25/8	93/8	15/8	826
10-8V4450-P	44.50	44.30	63/4	P	A3	121/4	5/8	25/8	93/8	15/8	996
10-8V5300-P	53.00	52.80	63/4	P	A3	121/4	5/8	25/8	93/8	1/4	1010
10-8V6300-W	63.00	62.80	81/2	W	A3	16	5/8	27/8	113/8		1443
10-8V7100-W	71.00	70.80	81/2	W	A3	16	5/8	27/8	113/8	-	1842
12-8V1250-M	12.50	12.30	51/2	M	A1	-	21/2	315/16	63/4	45/8	161
12-8V1320-M	13.20	13.00	51/2	M	A1	-	21/2	315/16	63/4	45/8	185
12-8V1400-M	14.00	13.80	51/2	M	A1	-	21/2	315/16	63/4	45/8	211
12-8V1500-M	15.00	14.80	51/2	M	A1		21/2	315/16	63/4	45/8	234
12-8V1600-M	16.00	15.80	51/2	M	A1	-	21/2	315/16	63/4	45/8	285
12-8V1700-M	17.00	16.80	51/2	M	A1	-	21/2	315/16	63/4	45/8	324
12-8V1800-M	18.00	17.80	51/2	M	A2		21/2	315/16	63/4	45/8	330
12-8V1900-N	19.00	18.80	6	N	A2	101/2	1/2	21/4	81/8	51/4	338
12-8V2000-N	20.00	19.80	6	N	A2	101/2	1/2	21/4	81/8	51/4	365
12-8V2120-N	21.20	21.00	6	N	A2	101/2	1/2	21/4	81/8	51/4	387
12-8V2240-N	22.40	22.20	6	N	A2	101/2	1/2	21/4	81/8	51/4	399
12-8V2480-N	24.80	24.60	6	N	A2	101/2	1/2	21/4	81/8	51/4	454
12-8V3000-P	30.00	29.80	63/4	P	A3	121/2	5/8	25/8	93/8	37/8	605
12-8V3550-P	35.50	35.30	63/4	P	A3	121/4	5/8	25/8	93/8	37/8	706
12-8V4000-P	40.00	39.80	63/4	P	A3	121/4	5/8	25/8	93/8	37/8	766
12-8V4450-P	44.50	44.30	63/4	P	A3	121/4	5/8	25/8	93/8	37/8	910
12-8V5300-W	53.00	52.80	81/2	W	A3	16	5/8	27/8	113/8	21/4	1333
12-8V6300-W	63.00	62.80	81/2	W	A3	16	5/8	27/8	113/8	21/4	1777
12-8V7100-W	71.00	70.80	81/2	W	A3	16	5/8	27/8	113/8	21/4	2002



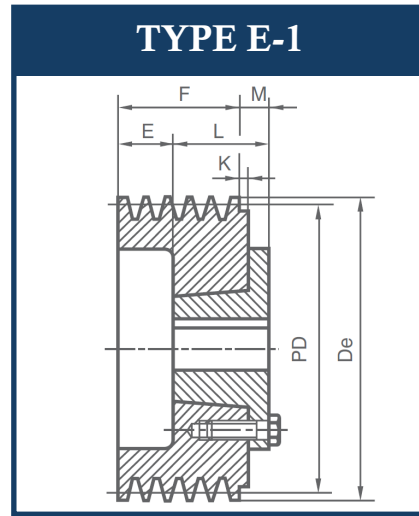
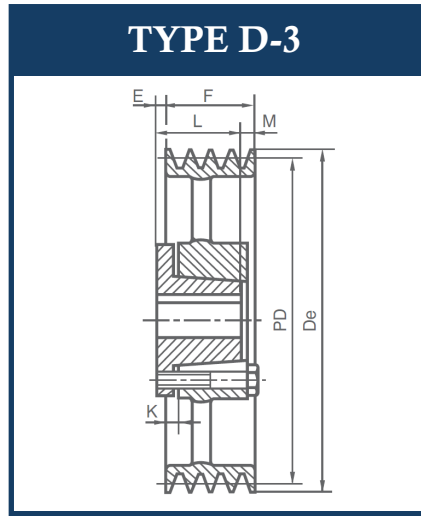
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Db	E	K	L	M	WT Less Bush
4-8V5300-M	53.00	52.80	51/2	M	C3	91/2	3/8	63/4	11/4	478
5-8V1250-F	12.50	12.30	315/16	F	A1	-	15/16	35/8	11/16	68
5-8V1320-F	13.20	13.00	315/16	F	A2	7	15/16	35/8	11/16	75
5-8V1400-F	14.00	13.80	315/16	F	A2	7	15/16	35/8	11/16	78
5-8V1500-F	15.0	14.80	315/16	F	A2	7	15/16	35/8	11/16	94
5-8V1600-F	16.00	15.80	315/16	F	A2	7	15/16	35/8	11/16	101
5-8V1700-J	17.00	16.80	41/2	J	A3	73/4	13/16	41/2	11/16	111
5-8V1800-J	18.00	17.80	41/2	J	A3	73/4	13/16	41/2	11/16	130
5-8V1900-J	19.00	18.80	41/2	J	A3	73/4	13/16	41/2	11/16	135
5-8V2000-J	20.00	19.80	41/2	J	A3	73/4	13/16	41/2	11/16	152
5-8V2120-J	21.20	21.00	41/2	J	A3	73/4	13/16	41/2	11/16	183
5-8V2240-M	22.40	22.20	51/2	M	B3	91/2	1/2	63/4	11/4	223
5-8V2480-M	24.80	24.60	51/2	M	B3	91/2	1/2	63/4	11/4	254
5-8V3000-M	30.00	29.80	51/2	M	B3	91/2	1/2	63/4	11/4	294
5-8V3550-M	35.50	35.30	51/2	M	B3	91/2	1/2	63/4	11/4	325
5-8V4000-M	40.00	39.80	51/2	M	B3	91/2	1/2	63/4	11/4	430
5-8V4450-N	44.50	44.30	6	N	C3	101/2	13/16	81/8	15/16	485
5-8V5300-N	53.00	52.80	6	N	C3	101/2	13/16	81/8	15/16	672
6-8V1250-F	12.50	12.30	315/16	F	A1	-	15/16	35/8	23/16	86
6-8V1320-F	13.20	13.00	315/16	F	A1		15/16	35/8	23/16	94
6-8V1400-F	14.00	13.80	315/16	F	A1		15/16	35/8	23/16	108
6-8V1500-J	15.00	14.80	41/2	J	A1		13/8	41/2	11/4	138
6-8V1600-J	16.00	15.80	41/2	J	A1		13/8	41/2	11/4	142
6-8V1700-J	17.00	16.80	41/2	J	A2	73/4	13/8	41/2	11/4	144
6-8V1800-J	18.00	17.80	41/2	J	A2	73/4	13/8	41/2	11/4	160
6-8V1900-J	19.00	18.80	41/2	J	A2	73/4	13/8	41/2	11/4	172
6-8V2000-M	20.00	19.80	51/2	M	B2	91/2	11/2	63/4	11/8	204
6-8V2120-M	21.20	21.00	51/2	M	B2	91/2	11/2	63/4	11/8	226
6-8V2240-M	22.40	22.20	51/2	M	B3	91/2	11/2	63/4	11/8	235
6-8V2480-M	24.80	24.60	51/2	M	B3	91/2	1/2	63/4	1/8	246
6-8V3000-M	30.00	29.80	51/2	M	B3	91/2	1/2	63/4	1/8	306
6-8V3550-N	35.50	35.30	6	N	C3	101/2	5/8	81/8	3/8	466

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V-pulleys

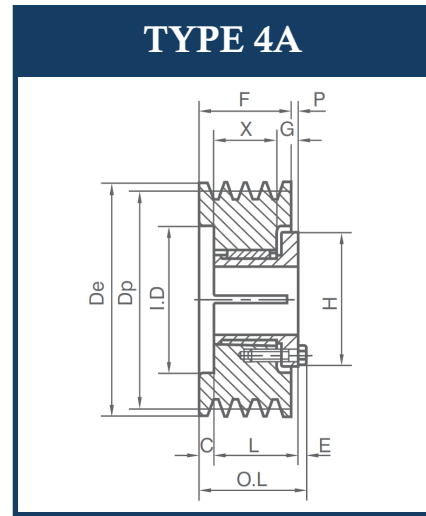
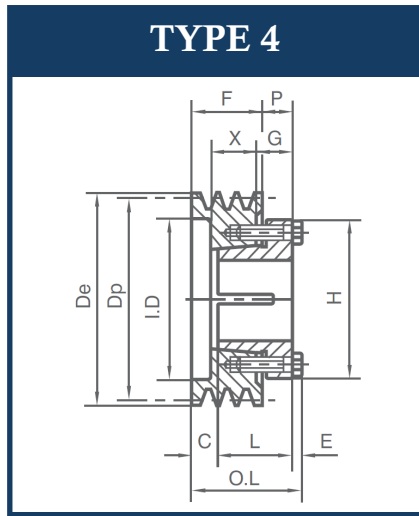
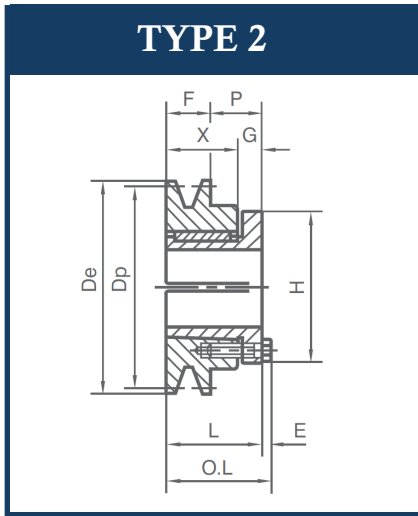
8v-QTL Taper bushing



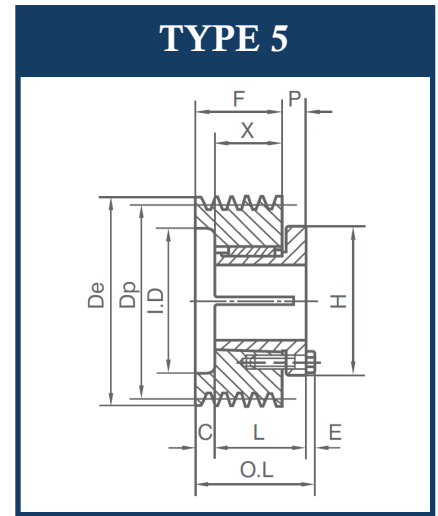
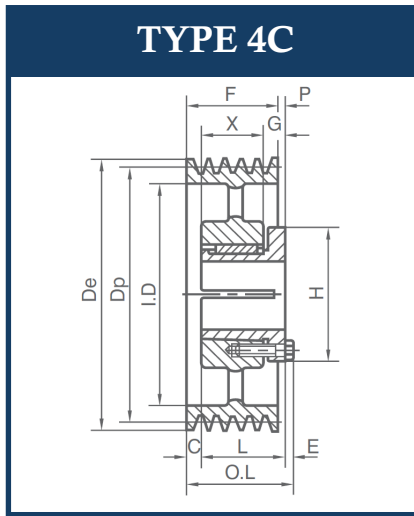
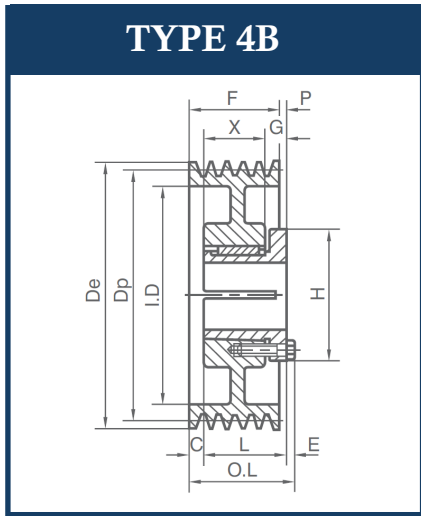
SHEAVE	De	Dp	Bush Max Bore	Bush Type	Type	Db	E	K	L	M	WT Less Bush
4-8V5300-M	53.00	52.80	51/2	M	C3	91/2	3/8	13/16	63/4	11/4	478
5-8V1250-F	12.50	12.30	315/16	F	A1	-	15/16	25/16	35/8	11/16	68
5-8V1320-F	13.20	13.00	315/16	F	A2	7	15/16	25/16	35/8	11/16	75
5-8V1400-F	14.00	13.80	315/16	F	A2	7	15/16	25/16	35/8	11/16	78
5-8V1500-F	15.0	14.80	315/16	F	A2	7	15/16	25/16	35/8	11/16	94
5-8V1600-F	16.00	15.80	315/16	F	A2	7	15/16	25/16	35/8	11/16	101
5-8V1700-J	17.00	16.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	111
5-8V1800-J	18.00	17.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	130
5-8V1900-J	19.00	18.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	135
5-8V2000-J	20.00	19.80	41/2	J	A3	73/4	13/16	2	41/2	11/16	152
5-8V2120-J	21.20	21.00	41/2	J	A3	73/4	13/16	2	41/2	11/16	183
5-8V2240-M	22.40	22.20	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	223
5-8V2480-M	24.80	24.60	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	254
5-8V3000-M	30.00	29.80	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	294
5-8V3550-M	35.50	35.30	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	325
5-8V4000-M	40.00	39.80	51/2	M	B3	91/2	1/2	115/16	63/4	11/4	430
5-8V4450-N	44.50	44.30	6	N	C3	101/2	13/16	15/16	81/8	15/16	485
5-8V5300-N	53.00	52.80	6	N	C3	101/2	13/16	15/16	81/8	15/16	672
6-8V1250-F	12.50	12.30	315/16	F	A1	-	15/16	25/16	35/8	23/16	86
6-8V1320-F	13.20	13.00	315/16	F	A1		15/16	25/16	35/8	23/16	94
6-8V1400-F	14.00	13.80	315/16	F	A1		15/16	25/16	35/8	23/16	108
6-8V1500-J	15.00	14.80	41/2	J	A1		13/8	29/16	41/2	11/4	138
6-8V1600-J	16.00	15.80	41/2	J	A1		13/8	29/16	41/2	11/4	142
6-8V1700-J	17.00	16.80	41/2	J	A2	73/4	13/8	29/16	41/2	11/4	144
6-8V1800-J	18.00	17.80	41/2	J	A2	73/4	13/8	29/16	41/2	11/4	160
6-8V1900-J	19.00	18.80	41/2	J	A2	73/4	13/8	29/16	41/2	11/4	172
6-8V2000-M	20.00	19.80	51/2	M	B2	91/2	11/2	215/16	63/4	11/8	204
6-8V2120-M	21.20	21.00	51/2	M	B2	91/2	11/2	215/16	63/4	11/8	226
6-8V2240-M	22.40	22.20	51/2	M	B3	91/2	11/2	215/16	63/4	11/8	235
6-8V2480-M	24.80	24.60	51/2	M	B3	91/2	1/2	115/16	63/4	1/8	246
6-8V3000-M	30.00	29.80	51/2	M	B3	91/2	1/2	115/16	63/4	1/8	306
6-8V3550-N	35.50	35.30	6	N	C3	101/2	5/8	11/8	81/8	3/8	466

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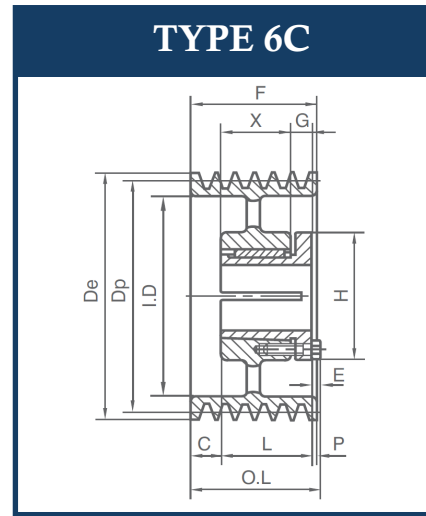
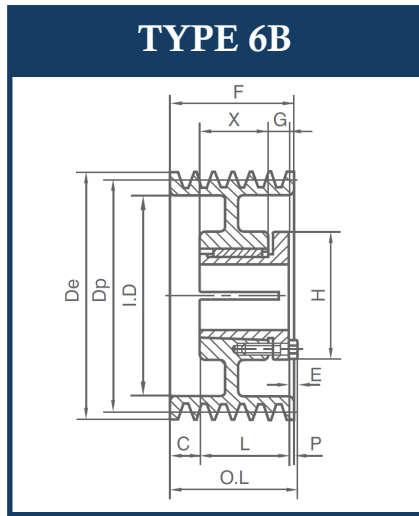
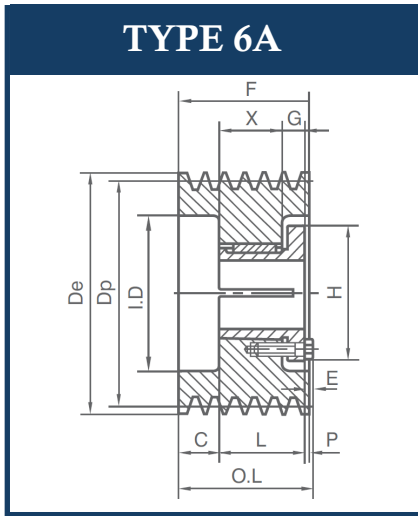
SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions					wt Incl Bush	
	Dp	De						P	C	H	G	X		E
1-G3V26	2.60	2.65	G	G1	-	15/16	1	7/16	1/8	2		-	3/16	0.6
1-G3V28	2.75	2.80	G	G1	-	15/16	1	7/16	1/8	2			3/16	0.7
1-G3V30	2.95	3.00	G	G1	-	15/16	1	7/16	1/8	2		-	3/16	0.9
1-H3V31	3.10	3.15	H	H1	-	17/16	11/4	7/16	1/8	21/2			3/16	1.0
1-H3V33	3.30	3.35	H	H1	-	17/16	11/4	7/16	1/8	21/2			3/16	1.1
1-H3V36	3.60	3.65	H	H3	-	11/2	11/4	5/8	-	21/2	7/16	7/8	3/16	1.4
1-P3V36	3.60	3.65	P1	2	-	23/16	115/16	11/4	-	3	5/8	15/16	1/4	2.0
1-H3V41	4.07	4.12	H	H3	-	11/2	11/4	5/8	-	21/2	7/16	7/8	3/16	2.2
1-P3V41	4.07	4.12	P1	2	-	23/16	115/16	11/4	-	3	5/8	15/16	1/4	2.6
1-H3V45	4.45	4.50	H	H3	-	11/2	11/4	5/8		21/2	7/16	7/8	3/16	2.2
1-P3V45	4.45	4.50	P1	2	-	23/16	115/16	11/4	-	3	5/8	15/16	1/4	3.0
1-H3V47	4.70	4.75	H	H3	-	11/2	11/4	5/8		21/2	7/16	7/8	3/16	2.4
1-P3V47	4.70	4.75	P1	2	-	23/16	115/16	11/4		3	5/8	15/16	1/4	3.5
1-H3V50	4.95	5.00	H	H3	-	11/2	11/4	5/8		21/2	7/16	7/8	3/16	2.6
1-P3V50	4.95	5.00	P1	2	-	23/16	115/16	11/4		3	5/8	15/16	1/4	3.8
1-H3V53	5.25	5.30	H	H3	-	11/2	11/4	5/8	-	21/2	7/16	7/8	3/16	2.5
1-P3V53	5.25	5.30	P1	2	-	23/16	115/16	11/4	-	3	5/8	15/16	1/4	4.2
1-H3V56	5.55	5.60	H	H3	-	11/2	11/4	5/8	-	21/2	7/16	7/8	3/16	2.6
1-P3V56	5.55	5.60	P1	2	-	23/16	115/16	11/4		3	5/8	15/16	1/4	4.6
1-H3V60	5.95	6.00	H	H3	-	11/2	11/4	5/8	-	21/2	7/16	7/8	3/16	2.9
1-P3V60	5.95	6.00	P1	2	-	23/16	115/16	11/4	-	3	5/8	15/16	1/4	5.3
1-P3V65	6.45	6.50	P1	7C	51/4	23/16	115/16	15/16	5/16	3	5/8	15/16	1/4	5.5
1-P3V69	6.85	6.90	P1	7C	55/8	23/16	115/16	15/16	5/16	3	5/8	15/16	1/4	4.9
1-P3V80	7.95	8.00	P1	7C	61/2	23/16	115/16	15/16	5/16	3	5/8	15/16	1/4	6.5
1-P3V106	10.55	10.60	P1	7C	93/8	23/16	115/16	15/16	5/16	3	5/8	15/16	1/4	7.8
1-Q3V140	13.95	14.00	Q1	7C	123/4	225/32	21/2	19/32	17/32	41/8	3/4	13/4	9/32	18.1
1-Q3V190	18.95	19.00	Q1	7C	173/4	225/32	21/2	19/32	17/32	41/8	3/4	13/4	9/32	26.3
1-Q3V250	24.95	25.00	Q1	7C	235/8	225/32	21/2	19/32	17/32	41/8	3/4	13/4	9/32	38.3
2-G3V26	2.60	2.65	G	G2	-	119/32	1	5/16	13/32	2	7/16	31/32	3/16	0.8
2-G3V28	2.75	2.80	G	G2	-	119/32	1	5/16	13/32	2	7/16	31/32	3/16	0.9
2-G3V30	2.95	3.00	G	G2	-	119/32	1	5/16	13/32	2	7/16	31/32	3/16	1.3
2-H3V31	3.10	3.15	H	H2	2	119/32	11/4	3/8	7/32	21/2	7/16	13/16	3/16	0.9



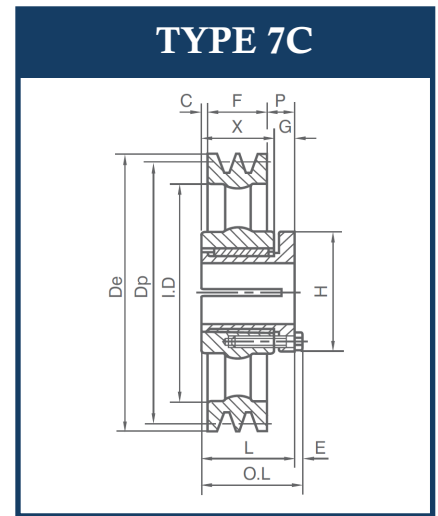
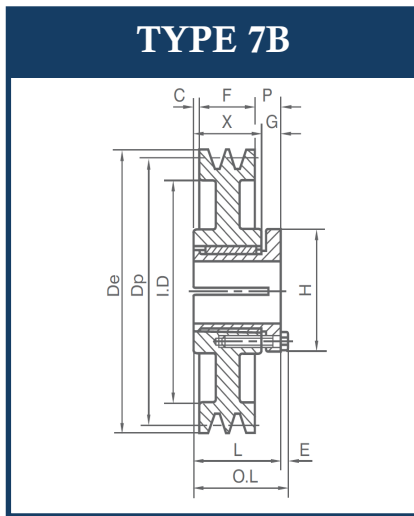
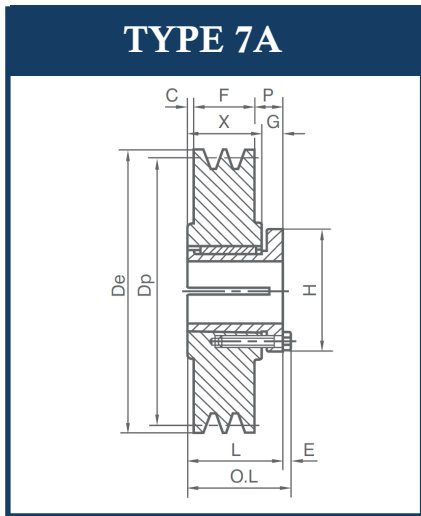
SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
2-H3V33	3.30	3.35	H	H2	2	119/32	11/4	3/8	7/32	21/2	7/16	13/16	3/16	1.3
2-H3V36	3.60	3.65	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	1.6
2-P3V36	3.60	3.65	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	2.0
2-H3V41	4.07	4.12	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	2.3
2-P3V41	4.07	4.12	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	2.8
2-H3V45	4.45	4.50	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	2.8
2-P3V45	4.45	4.50	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	3.5
2-H3V47	4.70	4.75	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	3.1
2-P3V47	4.70	4.75	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	4.0
2-H3V50	4.95	5.00	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	3.4
2-P3V50	4.95	5.00	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	4.6
2-H3V53	5.25	5.30	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	3.7
2-P3V53	5.25	5.30	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	5.6
2-H3V56	5.55	5.60	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	3.1
2-P3V56	5.55	5.60	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	6.0
2-H3V60	5.95	6.00	H	H4	-	11/2	11/4	7/32	-	21/2	7/16	7/8	3/16	3.6
2-P3V60	5.95	6.00	P1	2	-	23/16	115/16	27/32	-	3	5/8	15/16	1/4	6.8
2-Q3V65	6.45	6.50	Q1	7C	51/4	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	8.3
2-Q3V69	6.85	6.90	Q1	7C	55/8	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	9.8
2-Q3V80	7.95	8.00	Q1	7C	61/2	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	10.8
2-Q3V106	10.55	10.60	Q1	7C	93/8	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	13.5
2-Q3V140	13.95	14.00	Q1	7C	123/4	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	22.5
2-Q3V190	18.95	19.00	Q1	7C	173/4	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	28.9
2-Q3V250	24.95	25.00	Q1	7C	235/8	225/32	21/2	15/64	21/64	41/8	3/4	13/4	9/32	43.5
3-G3V26	2.60	2.65	G	G2	-	2	1	5/16	13/16	2	7/16	13/8	3/16	1.1
3-G3V28	2.75	2.80	G	G2	-	2	1	5/16	13/16	2	7/16	13/8	3/16	1.6
3-G3V30	2.95	3.00	G	G2	-	2	1	5/16	13/16	2	7/16	13/8	3/16	1.8
3-H3V31	3.10	3.15	H	H2	-	2	11/4	5/16	9/16	21/2	7/16	13/8	3/16	1.4
3-H3V33	3.30	3.35	H	H2	-	2	11/4	5/16	9/16	21/2	7/16	13/8	3/16	1.8
3-P3V36	3.60	3.65	P1	5	23/16	23/8	115/16	5/8	3/16	3	-	15/16	1/4	2.5
3-P3V41	4.07	4.12	P1	5	29/16	23/8	115/16	5/8	3/16	3	-	15/16	1/4	3.0
3-P3V45	4.45	4.50	P1	4A	35/16	23/16	115/16	7/16	-	3	5/8	15/16	1/4	3.9

All dimensions in millimeters unless otherwise stated.

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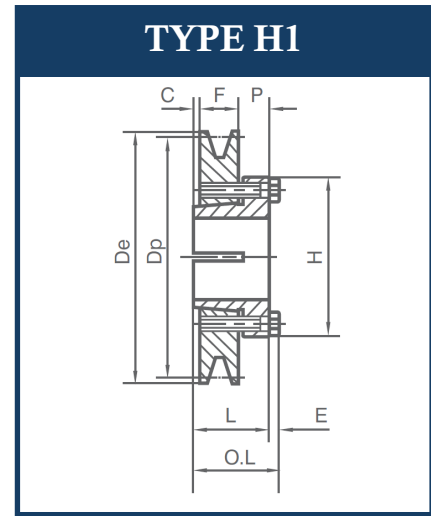
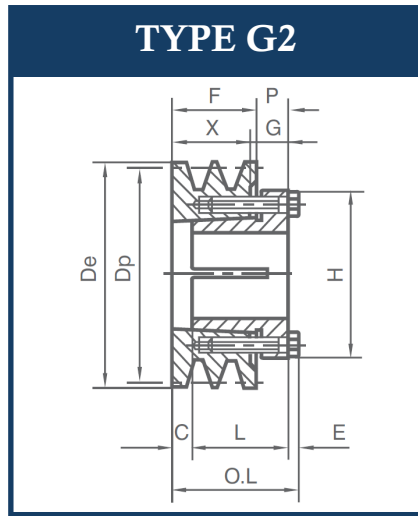
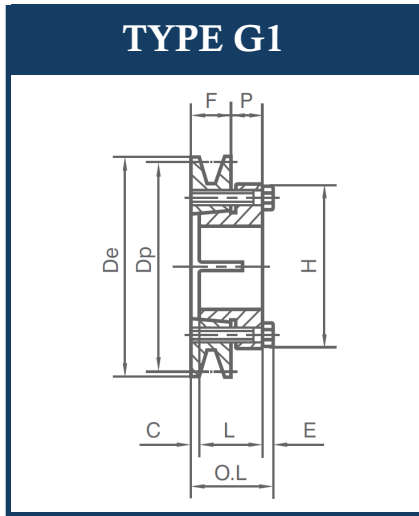
SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
3-P3V47	4.70	4.75	P1	4A	31/2	23/16	115/16	7/16	-	3	5/8	15/16	1/4	4.4
3-P3V50	4.95	5.00	P1	4A	313/16	23/16	115/16	7/16	-	3	5/8	15/16	1/4	4.9
3-P3V53	5.25	5.30	P1	4A	41/8	23/16	115/16	7/16	-	3	5/8	15/16	1/4	5.9
3-P3V56	5.55	5.60	P1	4A	43/8	23/16	115/16	7/16	-	3	5/8	15/16	1/4	7.5
3-P3V60	5.95	6.00	P1	4A	413/16	23/16	115/16	7/16	-	3	5/8	15/16	1/4	8.0
3-Q3V65	6.45	6.50	Q1	7A	51/4	225/32	21/2	7/8	1/8	41/8	3/4	13/4	9/32	9.9
3-Q3V69	6.85	6.90	Q1	7A	55/8	225/32	21/2	7/8	1/8	41/8	3/4	13/4	9/32	11.3
3-Q3V80	7.95	8.00	Q1	7B	61/2	225/32	21/2	7/8	1/8	41/8	3/4	13/4	9/32	11.9
3-Q3V106	10.55	10.60	Q1	7C	93/8	225/32	21/2	7/8	1/8	41/8	3/4	13/4	9/32	15.1
3-Q3V140	13.95	14.00	Q1	7C	123/4	225/32	21/2	7/8	1/8	41/8	3/4	13/4	9/32	24.5
3-R3V190	18.95	19.00	R1	7C	173/4	35/32	27/8	11/8	1/4	53/8	7/8	2	9/32	35.1
3-R3V250	24.95	25.00	R1	7C	235/8	35/32	27/8	11/8	1/4	53/8	7/8	2	9/32	55.0
3-R3V335	33.45	33.50	R1	7C	321/4	35/32	27/8	11/8	1/4	53/8	7/8	2	9/32	80.0
4-G3V26	2.60	2.65	G	4	13/8	213/32	1	5/16	17/32	2	7/16	11/2	3/16	1.4
4-G3V28	2.75	2.80	G	4	13/8	213/32	1	5/16	17/32	2	7/16	11/2	3/16	1.8
4-G3V30	2.95	3.00	G	4	13/8	213/32	1	5/16	17/32	2	7/16	11/2	3/16	2.1
4-H3V31	3.10	3.15	H	4	13/4	213/32	11/4	5/16	31/32	21/2	7/16	31/32	3/16	1.8
4-H3V33	3.30	3.35	H	4	2	213/32	11/4	5/16	31/32	21/2	7/16	31/32	3/16	2.3
4-P3V36	3.60	3.65	P1	5	23/16	225/32	115/16	5/8	19/32	3	-	15/16	1/4	2.8
4-P3V41	4.07	4.12	P1	5	29/16	225/32	115/16	5/8	19/32	3	-	15/16	1/4	3.7
4-P3V45	4.45	4.50	P1	4A	35/16	23/16	115/16	1/32	-	3	5/8	15/16	1/4	4.4
4-P3V47	4.70	4.75	P1	4A	31/2	23/16	115/16	1/32	-	3	5/8	15/16	1/4	5.1
4-P3V50	4.95	5.00	P1	4A	313/16	23/16	115/16	1/32	-	3	5/8	15/16	1/4	5.8
4-P3V53	5.25	5.30	P1	4A	41/8	23/16	115/16	1/32	-	3	5/8	15/16	1/4	6.5
4-P3V56	5.55	5.60	P1	4A	43/8	23/16	115/16	1/32	-	3	5/8	15/16	1/4	8.1
4-Q3V60	5.95	6.00	Q1	4A	43/4	225/32	21/2	19/32	-	41/8	3/4	13/4	9/32	9.0
4-Q3V65	6.45	6.50	Q1	4B	51/4	255/64	21/2	43/64	5/64	41/8	3/4	13/4	9/32	11.1
4-Q3V69	6.85	6.90	Q1	4B	55/8	255/64	21/2	43/64	5/64	41/8	3/4	13/4	9/32	12.9
4-Q3V80	7.95	8.00	Q1	4B	61/2	255/64	21/2	43/64	5/64	41/8	3/4	13/4	9/32	13.1
4-Q3V106	10.55	10.60	Q1	4C	93/8	255/64	21/2	43/64	5/64	41/8	3/4	13/4	9/32	15.9
4-Q3V140	13.95	14.00	Q1	4C	123/4	255/64	21/2	43/64	5/64	41/8	3/4	13/4	9/32	25.4
4-R3V190	18.95	19.00	R1	7C	173/4	35/32	27/8	63/64	3/64	53/8	7/8	2	9/32	37.3



SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
4-R3V250	24.95	25.00	R1	7C	235/8	35/32	27/8	63/64	3/64	53/8	7/8	2	9/32	60.0
4-R3V335	33.45	33.50	R1	7C	321/4	35/32	27/8	63/64	3/64	53/8	7/8	2	9/32	88.0
5-P3V47	4.70	4.75	P1	4B	31/2	29/16	115/16	-	3/8	3	5/8	15/16	1/4	5.6
5-P3V50	4.95	5.00	P1	4B	313/16	29/16	115/16	-	3/8	3	5/8	15/16	1/4	6.0
5-P3V53	5.25	5.30	P1	4B	41/8	29/16	115/16	-	3/8	3	5/8	15/16	1/4	7.1
5-P3V56	5.55	5.60	P1	4B	43/8	29/16	115/16	-	3/8	3	5/8	15/16	1/4	8.1
5-Q3V60	5.95	6.00	Q1	4B	43/4	225/32	21/2	3/16	-	41/8	3/4	13/4	9/32	9.5
5-Q3V65	6.45	6.50	Q1	4B	51/4	31/16	21/2	15/32	9/32	41/8	3/4	13/4	9/32	11.6
5-Q3V69	6.85	6.90	Q1	4B	55/8	31/16	21/2	15/32	9/32	41/8	3/4	13/4	9/32	13.9
5-Q3V80	7.95	8.00	Q1	4B	61/2	31/16	21/2	15/32	9/32	41/8	3/4	13/4	9/32	14.3
5-Q3V106	10.55	10.60	Q1	4C	93/8	31/16	21/2	15/32	9/32	41/8	3/4	13/4	9/32	17.5
5-Q3V140	13.95	14.00	Q1	4C	123/4	31/16	21/2	15/32	9/32	41/8	3/4	13/4	9/32	27.5
5-R3V190	18.95	19.00	R1	4C	173/4	35/16	27/8	23/32	5/32	53/8	7/8	2	9/32	40.9
5-R3V250	24.95	25.00	R1	4C	235/8	35/16	27/8	23/32	5/32	53/8	7/8	2	9/32	64.0
5-R3V335	33.45	33.50	R1	4C	321/4	35/16	27/8	23/32	5/32	53/8	7/8	2	9/32	92.0
6-Q3V47	4.70	4.75	Q1	5	31/2	33/4	21/2	3/4	31/32	41/8	3/4	13/4	9/32	5.6
6-Q3V50	4.95	5.00	Q1	5	313/16	33/4	21/2	3/4	31/32	41/8	3/4	13/4	9/32	6.1
6-Q3V53	5.25	5.30	Q1	5	41/8	33/4	21/2	3/4	31/32	41/8	3/4	13/4	9/32	7.3
6-Q3V56	5.55	5.60	Q1	4A	41/4	3	21/2	-	7/32	41/8	3/4	13/4	9/32	8.8
6-Q3V60	5.95	6.00	Q1	4B	43/4	3	21/2	-	7/32	41/8	3/4	13/4	9/32	10.1
6-Q3V65	6.45	6.50	Q1	4B	51/4	317/64	21/2	17/64	31/64	41/8	3/4	13/4	9/32	12.9
6-Q3V69	6.85	6.90	Q1	4B	55/8	317/64	21/2	17/64	31/64	41/8	3/4	13/4	9/32	14.4
6-Q3V80	7.95	8.00	Q1	4B	61/2	317/64	21/2	17/64	31/64	41/8	3/4	13/4	9/32	16.1
6-R3V106	10.55	10.60	R1	4C	93/8	333/64	27/8	33/64	23/64	53/8	7/8	2	9/32	22.4
6-R3V140	13.95	14.00	R1	4C	123/4	333/64	27/8	33/64	23/64	53/8	7/8	2	9/32	32.1
6-R3V190	18.95	19.00	R1	4C	173/4	333/64	27/8	33/64	23/64	53/8	7/8	2	9/32	42.8
6-R3V250	24.95	25.00	R1	4C	235/8	333/64	27/8	33/64	23/64	53/8	7/8	2	9/32	64.0
6-R3V335	33.45	33.50	R1	4C	321/4	333/64	27/8	33/64	23/64	53/8	7/8	2	9/32	99.0
8-Q3V47	4.70	4.75	Q2	5	31/2	49/16	31/2	3/4	25/32	41/8	3/4	23/4	9/32	7.3
8-Q3V50	4.95	5.00	Q2	5	313/16	49/16	31/2	3/4	25/32	41/8	3/4	23/4	9/32	8.6
8-Q3V53	5.25	5.30	Q2	5	41/8	49/16	31/2	3/4	25/32	41/8	3/4	23/4	9/32	10.3
8-Q3V56	5.55	5.60	Q2	6A	41/4	325/32	31/2	1/32	-	41/8	3/4	23/4	9/32	12.3

All dimensions in millimeters unless otherwise stated.

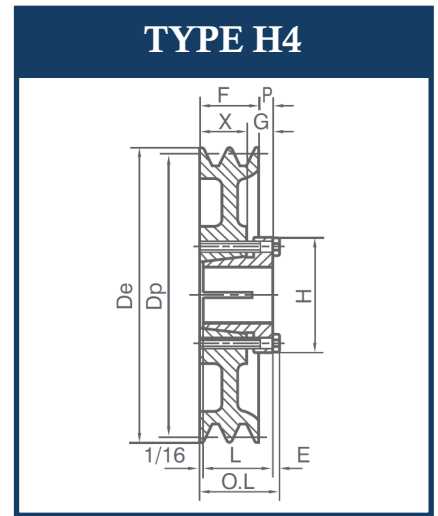
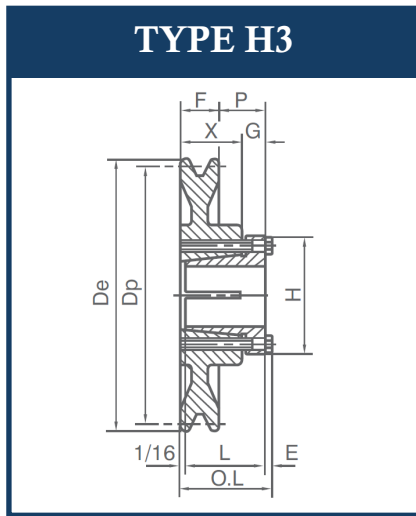
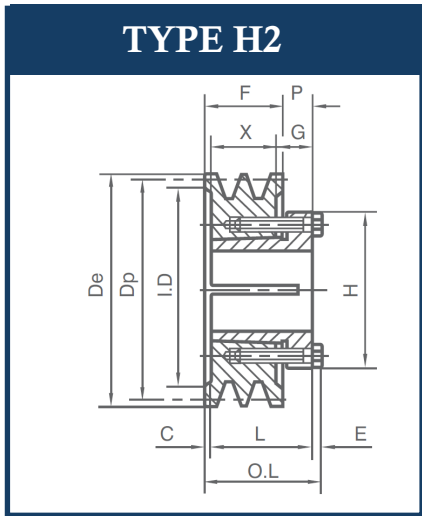
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SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
8-Q3V60	5.95	6.00	Q2	6A	43/4	325/32	31/2	1/32		41/8	3/4	23/4	9/32	15.1
8-Q3V65	6.45	6.50	Q2	4B	51/4	411/64	31/2	23/64	25/64	41/8	3/4	23/4	9/32	18.3
8-Q3V69	6.85	6.90	Q2	4B	55/8	411/64	31/2	23/64	25/64	41/8	3/4	23/4	9/32	21.4
8-R3V80	7.95	8.00	R1	4B	61/2	359/64	27/8	7/64	49/64	53/8	7/8	2	9/32	23.2
8-R3V106	10.55	10.60	R1	4C	93/8	359/64	27/8	7/64	49/64	53/8	7/8	2	9/32	24.5
8-R3V140	13.95	14.00	R1	4C	123/4	359/64	27/8	7/64	49/64	53/8	7/8	2	9/32	39.0
8-R3V190	18.95	19.00	R1	4C	173/4	359/64	27/8	7/64	49/64	53/8	7/8	2	9/32	49.0
8-R3V250	24.95	25.00	R1	4C	235/8	359/64	27/8	7/64	49/64	53/8	7/8	2	9/32	76.0
8-S3V335	33.45	33.50	S1	4C	321/4	455/64	43/8	61/64	7/64	63/8	11/16	35/16	3/8	126
10-Q3V47	4.70	4.75	Q2	5	31/2	53/8	31/2	3/4	119/32	41/8	3/4	23/4	9/32	8.4
10-Q3V50	4.95	5.00	Q2	5	313/16	53/8	31/2	3/4	119/32	41/8	3/4	23/4	9/32	9.9
10-Q3V53	5.25	5.30	Q2	5	41/8	53/8	31/2	3/4	119/32	41/8	3/4	23/4	9/32	11.4
10-Q3V56	5.55	5.60	Q2	4B	41/4	45/8	31/2		27/32	41/8	3/4	23/4	9/32	13.8
10-Q3V60	5.95	6.00	Q2	4B	43/4	45/8	31/2	-	27/32	41/8	3/4	23/4	9/32	16.5
10-Q3V65	6.45	6.50	Q2	6B	51/4	437/64	31/2	3/64	51/64	41/8	3/4	23/4	9/32	20.4
10-Q3V69	6.85	6.90	Q2	6B	55/8	437/64	31/2	3/64	51/64	41/8	3/4	23/4	9/32	23.4
10-R3V80	7.95	8.00	R1	6B	61/2	411/32	27/8	19/64	111/64	53/8	7/8	2	9/32	26.0
10-R3V106	10.55	10.60	R1	6C	93/8	411/32	27/8	19/64	111/64	53/8	7/8	2	9/32	28.4
10-R3V140	13.95	14.00	R1	6C	123/4	411/32	27/8	19/64	111/64	53/8	7/8	2	9/32	42.3
10-R3V190	18.95	19.00	R1	6C	173/4	411/32	27/8	19/64	111/64	53/8	7/8	2	9/32	54.0
10-S3V250	24.95	25.00	S1	4C	235/8	517/64	43/8	35/64	33/64	63/8	11/16	35/16	3/8	103
10-S3V335	33.45	33.50	S1	4C	321/4	517/64	43/8	35/64	33/64	63/8	11/16	35/16	3/8	138
2-P5V44	4.30	4.40	P1	4A	33/16	23/16	115/16	1/4	-	3	5/8	15/16	1/4	3.8
2-Q5V46	4.50	4.60	Q1	5	27/8	37/8	21/2	3/4	13/32	41/8	-	13/4	9/32	6.6
2-Q5V49	4.80	4.90	Q1	5	31/8	35/16	21/2	3/4	17/32	41/8	-	13/4	9/32	6.2
2-Q5V52	5.10	5.20	Q1	7A	-	225/32	21/2	3/4	1/16	41/8	3/4	13/4	9/32	5.6
2-Q5V55	5.40	5.50	Q1	7A	-	225/32	21/2	3/4	1/16	41/8	3/4	13/4	9/32	6.6
2-Q5V59	5.80	5.90	Q1	7A	-	225/32	21/2	3/4	1/16	41/8	3/4	13/4	9/32	7.6
2-Q5V63	6.20	6.30	Q1	7A	-	225/32	21/2	3/4	1/16	41/8	3/4	13/4	9/32	9.4
2-Q5V67	6.60	6.70	Q1	7A	-	225/32	21/2	3/4	1/16	41/8	3/4	13/4	9/32	11.0
2-Q5V71	7.00	7.10	Q1	7A	-	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	12.3
2-Q5V75	7.40	7.50	Q1	7A	-	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	14.1

All dimensions in millimeters unless otherwise stated.

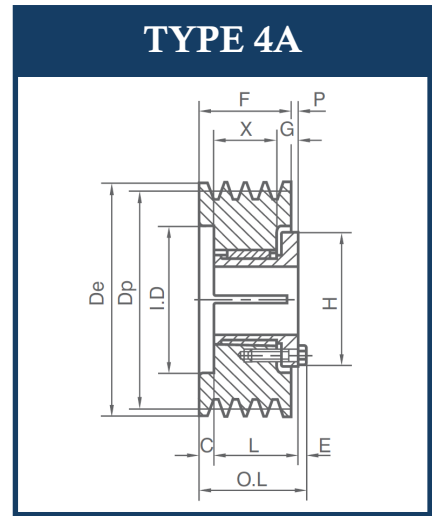
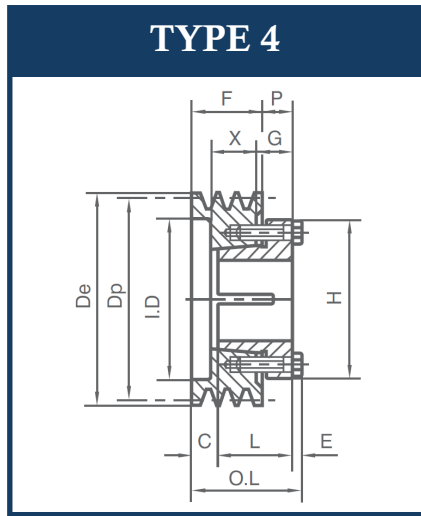
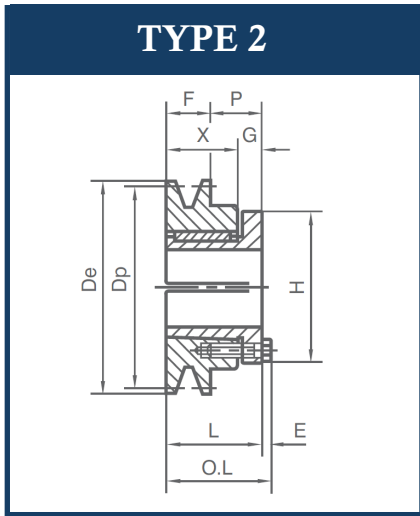
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SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
2-Q5V80	7.90	8.00	Q1	7B	61/4	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	11.6
2-Q5V85	8.40	8.50	Q1	7B	63/4	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	12.9
2-Q5V90	8.90	9.00	Q1	7B	71/4	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	16.3
2-Q5V92	9.15	9.25	Q1	7C	73/8	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	15.1
2-Q5V97	9.65	9.75	Q1	7C	77/8	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	16.1
2-Q5V103	10.20	10.30	Q1	7C	87/16	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	18.8
2-Q5V109	10.80	10.90	Q1	7C	9	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	19.3
2-Q5V118	11.70	11.80	Q1	7C	10	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	21.4
2-Q5V125	12.40	12.50	Q1	7C	103/4	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	23.8
2-Q5V132	13.10	13.20	Q1	7C	117/16	225/32	21/2	25/32	1/32	41/8	3/4	13/4	9/32	25.5
2-R5V140	13.90	14.00	R1	7C	121/4	35/32	27/8	11/32	5/32	53/8	7/8	2	9/32	27.6
2-R5V150	14.90	15.00	R1	7C	131/4	35/32	27/8	11/32	5/32	53/8	7/8	2	9/32	30.9
2-R5V160	15.90	16.00	R1	7C	141/4	35/32	27/8	11/32	5/32	53/8	7/8	2	9/32	33.3
2-R5V212	21.10	21.20	R1	7C	193/8	35/32	27/8	11/32	5/32	53/8	7/8	2	9/32	47.5
2-R5V280	27.90	28.00	R1	7C	261/4	35/32	27/8	11/32	5/32	53/8	7/8	2	9/32	71.0
3-P5V44	4.30	4.40	P1	4A	33/16	223/32	1 15/16	3/32	17/32	3	5/8	15/16	1/4	5.1
3-Q5V46	4.50	4.60	Q1	5	27/8	43/4	21/2	3/4	125/32	41/8	-	13/4	9/32	7.6
3-Q5V49	4.80	4.90	Q1	5	31/8	313/32	21/2	3/4	5/8	41/8	-	13/4	9/32	7.3
3-Q5V52	5.10	5.20	Q1	5	31/2	313/32	21/2	3/4	5/8	41/8	-	13/4	9/32	5.8
3-Q5V55	5.40	5.50	Q1	5	33/4	313/32	21/2	3/4	5/8	41/8	-	13/4	9/32	7.5
3-Q5V59	5.80	5.90	Q1	4A	43/16	231/32	21/2	5/16	3/16	41/8	3/4	13/4	9/32	8.6
3-Q5V63	6.20	6.30	Q1	4A	49/16	231/32	21/2	5/16	3/16	41/8	3/4	13/4	9/32	10.3
3-Q5V67	6.60	6.70	Q1	4A	5	231/32	21/2	5/16	3/16	41/8	3/4	13/4	9/32	12.0
3-Q5V71	7.00	7.10	Q1	4B	53/8	231/32	21/2	5/16	3/16	41/8	3/4	13/4	9/32	13.9
3-Q5V75	7.40	7.50	Q1	4B	53/4	231/32	21/2	5/16	3/16	41/8	3/4	13/4	9/32	16.0
3-R5V80	7.90	8.00	R1	4B	61/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	17.2
3-R5V85	8.40	8.50	R1	4B	63/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	20.5
3-R5V90	8.90	9.00	R1	4B	71/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	22.2
3-R5V92	9.15	9.25	R1	4B	73/8	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	24.1
3-R5V97	9.65	9.75	R1	4B	77/8	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	24.8
3-R5V103	10.20	10.30	R1	4B	87/16	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	26.4
3-R5V109	10.80	10.90	R1	4B	9	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	28.0

All dimensions in millimeters unless otherwise stated.

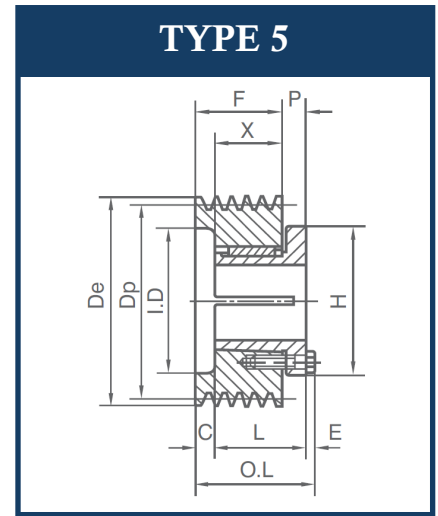
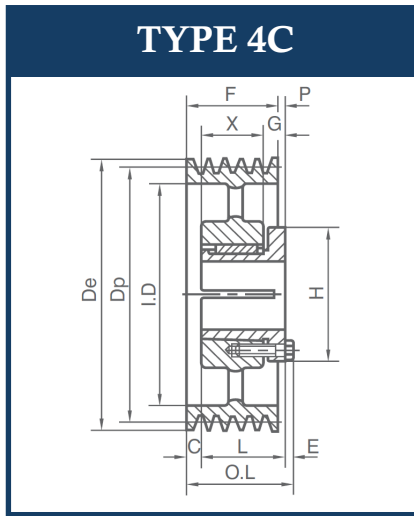
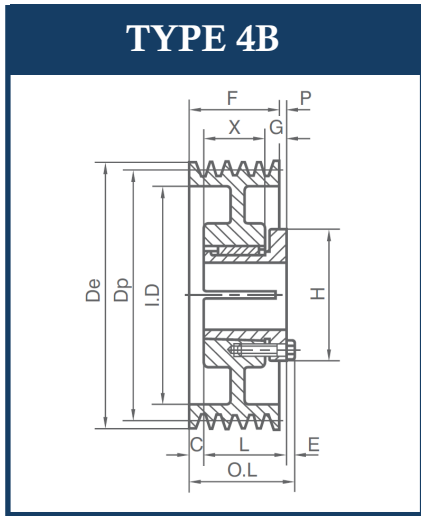
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SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
3-R5V118	11.70	11.80	R1	4B	10	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	31.9
3-R5V125	12.40	12.50	R1	4C	103/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	35.1
3-R5V132	13.10	13.20	R1	4C	117/16	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	39.0
3-R5V140	13.90	14.00	R1	4C	121/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	42.3
3-R5V150	14.90	15.00	R1	4C	131/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	45.3
3-R5V160	15.90	16.00	R1	4C	141/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	48.7
3-R5V212	21.10	21.20	R1	4C	193/8	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	52.0
3-R5V280	27.90	28.00	R1	4C	261/4	311/32	27/8	11/16	3/16	53/8	7/8	2	9/32	147.0
3-S5V375	37.40	37.50	S1	7C	353/4	43/4	43/8	117/32	15/32	63/8	11/16	35/16	3/8	147.0
3-U5V500	49.90	50.00	Uo	7C	481/4	513/32	415/16	17/8	11/16	83/8	13/16	33/4	15/32	216.0
4-P5V44	4.30	4.40	P1	4A	3	33/16	115/32	1/8	7/8	3	5/8	15/16	1/4	7.2
4-Q5V46	4.50	4.60	Q2	5	27/8	51/4	31/2	3/4	115/32	41/8		23/4	9/32	8.6
4-Q5V49	4.80	4.90	Q1	5	31/8	43/32	21/2	3/4	15/16	41/8	-	13/4	9/32	8.5
4-Q5V52	5.10	5.20	Q1	5	31/2	43/32	21/2	3/4	15/16	41/8		13/4	9/32	9.8
4-Q5V55	5.40	5.50	Q1	5	33/4	43/32	21/2	3/4	15/16	41/8	3/4	13/4	9/32	10.3
4-Q5V59	5.80	5.90	Q1	4A	43/16	43/32	21/2	-	9/16	41/8	3/4	13/4	9/32	11.1
4-Q5V63	6.20	6.30	Q1	4A	49/16	43/32	21/2	-	9/16	41/8	3/4	13/4	9/32	11.8
4-Q5V67	6.60	6.70	Q1	4A	5	43/32	21/2	-	9/16	41/8	3/4	13/4	9/32	13.6
4-Q5V71	7.00	7.10	Q1	4B	53/8	311/32	21/2	-	9/16	41/8	3/4	13/4	9/32	15.9
4-Q5V75	7.40	7.50	Q1	4B	53/4	311/32	21/2		9/16	41/8	3/4	13/4	9/32	18.4
4-R5V80	7.90	8.00	R1	4B	61/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	19.4
4-R5V85	8.40	8.50	R1	4B	63/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	22.8
4-R5V90	8.90	9.00	R1	4B	71/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	24.5
4-R5V92	9.15	9.25	R1	4B	73/8	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	26.6
4-R5V97	9.65	9.75	R1	4B	77/8	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	28.0
4-R5V103	10.20	10.30	R1	4B	87/16	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	30.8
4-R5V109	10.80	10.90	R1	4B	9	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	31.7
4-R5V118	11.70	11.80	R1	4B	10	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	35.3
4-R5V125	12.40	12.50	R1	4B	103/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	37.9
4-R5V132	13.10	13.20	R1	4C	117/16	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	33.3
4-R5V140	13.90	14.00	R1	4C	121/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	36.5
4-R5V150	14.90	15.00	R1	4C	131/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	40.9

All dimensions in millimeters unless otherwise stated.

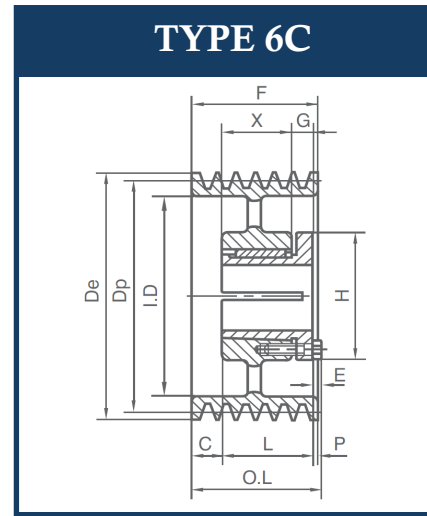
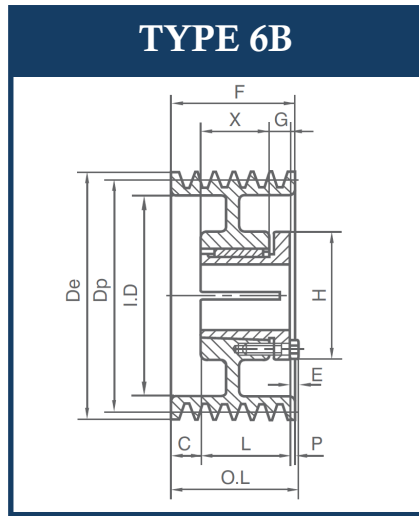
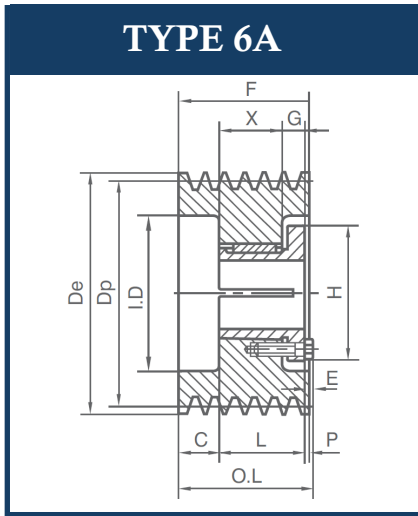
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SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
4-R5V160	15.90	16.00	R1	4C	141/4	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	43.3
4-R5V212	21.10	21.20	R1	4C	193/8	311/16	27/8	11/32	17/32	53/8	7/8	2	9/32	59.0
4-S 5V280	27.90	28.00	S1	7C	261/4	43/4	43/8	13/16	1/8	63/8	11/16	35/16	3/8	135
4-S5V375	37.40	37.50	S1	7C	353/4	43/4	43/8	13/16	1/8	63/8	11/16	35/16	3/8	157
4-U5V500	49.90	50.00	Uo	7C	481/4	513/32	415/16	117/32	11/32	83/8	13/16	33/4	15/32	239
5-Q5V46	4.50	4.60	Q2	5	27/8	515/16	31/2	3/4	25/16	41/8	-	23/4	9/32	8.9
5-Q5V49	4.80	4.90	Q2	5	31/8	53/8	31/2	3/4	1	41/8	-	23/4	9/32	9.2
5-Q5V52	5.10	5.20	Q2	5	31/2	425/32	31/2	3/4	1	41/8	3/4	23/4	9/32	9.0
5-Q5V55	5.40	5.50	Q2	5	33/4	425/32	31/2	3/4	1	41/8	3/4	23/4	9/32	10.8
5-Q5V59	5.80	5.90	Q2	4A	43/16	43/32	31/2	-	1/4	41/8	3/4	23/4	9/32	13.2
5-Q5V63	6.20	6.30	Q2	4A	49/16	43/32	31/2	-	1/4	41/8	3/4	23/4	9/32	15.9
5-Q5V67	6.60	6.70	Q2	4A	5	43/32	31/2	-	1/4	41/8	3/4	23/4	9/32	18.6
5-Q5V71	7.00	7.10	Q2	4B	53/8	41/32	31/2	-	1/4	41/8	3/4	23/4	9/32	22.0
5-Q5V75	7.40	7.50	Q2	4B	53/4	41/32	31/2	-	1/4	41/8	3/4	23/4	9/32	25.0
5-R5V80	7.90	8.00	R1	6B	61/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	21.7
5-R5V85	8.40	8.50	R1	6B	63/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	25.1
5-R5V90	8.90	9.00	R1	6B	71/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	25.4
5-R5V92	9.15	9.25	R1	6B	73/8	41/32	27/8	-	7/8	53/8	7/8	2	9/32	28.4
5-R5V97	9.65	9.75	R1	6B	77/8	41/32	27/8	-	7/8	53/8	7/8	2	9/32	31.8
5-R5V103	10.20	10.30	R1	6B	87/16	41/32	27/8	-	7/8	53/8	7/8	2	9/32	32.5
5-R5V109	10.80	10.90	R1	6B	9	41/32	27/8	-	7/8	53/8	7/8	2	9/32	35.1
5-R5V118	11.70	11.80	R1	6B	10	41/32	27/8	-	7/8	53/8	7/8	2	9/32	38.8
5-R5V125	12.40	12.50	R1	6B	103/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	41.8
5-R5V132	13.10	13.20	R1	6C	117/16	4 1/32	27/8	-	7/8	53/8	7/8	2	9/32	37.1
5-R5V140	13.90	14.00	R1	6C	121/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	41.6
5-R5V150	14.90	15.00	R1	6C	131/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	45.0
5-R5V160	15.90	16.00	R1	6C	141/4	41/32	27/8	-	7/8	53/8	7/8	2	9/32	48.0
5-S5V212	21.10	21.20	S1	4C	193/8	431/32	43/8	27/32	7/32	63/8	11/16	35/16	3/8	90.0
5-S5V250	24.90	25.00	S1	4C	231/4	431/32	43/8	27/32	7/32	63/8	11/16	35/16	3/8	105
5-S5V280	27.90	28.00	S1	4C	261/4	431/32	43/8	27/32	7/32	63/8	11/16	35/16	3/8	120
5-U5V375	37.40	37.50	Uo	4C	353/4	513/32	415/16	13/16	-	83/8	13/16	33/4	15/32	185
5-U5V500	49.90	50.00	Uo	4C	481/4	513/32	415/16	13/16	-	83/8	13/16	33/4	15/32	244

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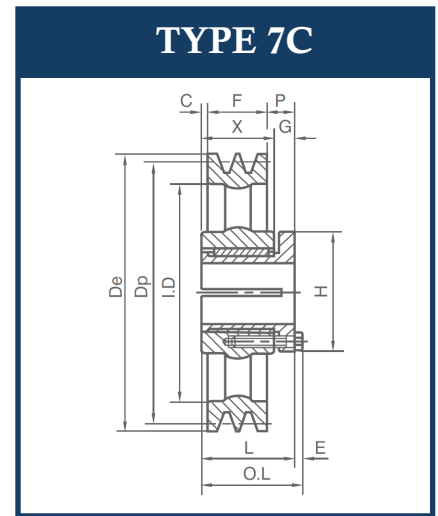
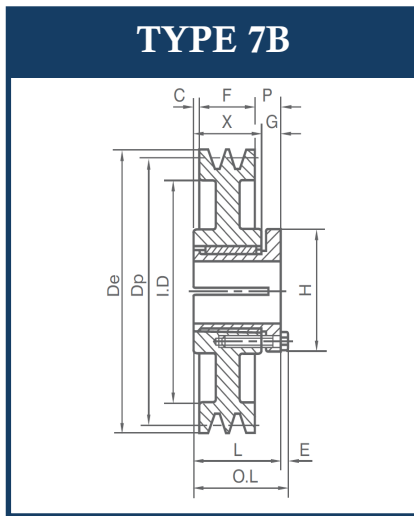
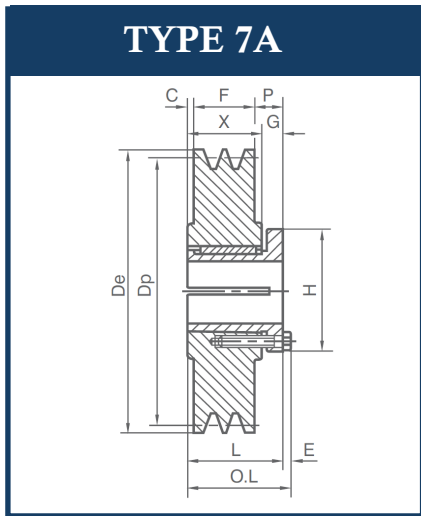
SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
8-Q5V71	7.00	7.10	Q2	6B	53/8	513/16	31/2	1	15/16	41/8	3/4	23/4	9/32	27.9
8-Q5V75	7.40	7.50	Q2	6B	53/4	513/16	31/2	1	15/16	41/8	3/4	23/4	9/32	32.1
8-R5V80	7.90	8.00	R2	6B	61/4	61/16	47/8	1/32	29/32	53/8	7/8	4	9/32	45.3
8-R5V85	8.40	8.50	R2	6B	63/4	61/16	47/8	1/32	29/32	53/8	7/8	4	9/32	45.5
8-R5V90	8.90	9.00	R2	6B	71/4	61/16	47/8	1/32	29/32	53/8	7/8	4	9/32	50.1
8-S5V92	9.15	9.25	S1	6B	73/8	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	47.3
8-S5V97	9.65	9.75	S1	6B	77/8	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	50.0
8-S5V103	10.20	10.30	S1	6B	87/16	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	63.0
8-S5V109	10.80	10.90	S1	6B	9	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	71.0
8-S5V118	11.70	11.80	S1	6B	10	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	85.0
8-S5V125	12.40	12.50	S1	6C	103/4	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	76.0
8-S5V132	13.10	13.20	S1	6C	117/16	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	79.0
8-S5V140	13.90	14.00	S1	6C	121/4	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	77.0
8-S5V150	14.90	15.00	S1	6C	131/4	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	83.0
8-S5V160	15.90	16.00	S1	6C	141/4	6	43/8	3/16	11/4	63/8	11/16	35/16	3/8	90.0
8-U5V212	21.10	21.20	U1	4C	193/8	711/16	71/8	1 13/32	3/32	83/8	11/2	55/8	15/32	175
8-U5V250	24.90	25.00	U1	4C	231/4	711/16	71/8	1 13/32	3/32	83/8	11/2	55/8	15/32	190
8-U5V280	27.90	28.00	U1	4C	261/4	711/16	71/8	1 13/32	3/32	83/8	11/2	55/8	15/32	222
8-U5V375	37.40	37.50	U1	4C	353/4	711/16	71/8	1 13/32	3/32	83/8	11/2	55/8	15/32	264
8-U5V500	49.90	50.00	U1	4C	481/4	711/16	71/8	1 13/32	3/32	83/8	11/2	55/8	15/32	393
10-R5V80	7.90	8.00	R2	6B	61/4	73/16	47/8	23/32	119/32	53/8	7/8	4	9/32	43.8
10-R5V85	8.40	8.50	R2	6B	63/4	73/16	47/8	23/32	119/32	53/8	7/8	4	9/32	53.0
10-R5V90	8.90	9.00	R2	6B	71/4	73/16	47/8	23/32	119/32	53/8	7/8	4	9/32	59.0
10-S5V92	9.15	9.25	S1	6B	73/8	73/16	43/8	7/8	115/16	63/8	11/16	35/16	3/8	53.0
10-S5V97	9.65	9.75	S1	6B	77/8	73/16	43/8	7/8	115/16	63/8	11/16	35/16	3/8	60.0
10-S5V103	10.20	10.30	S1	6B	87/16	73/16	43/8	7/8	115/16	63/8	11/16	35/16	3/8	69.0
10-S5V109	10.80	10.90	S1	6B	9	73/16	43/8	7/8	115/16	63/8	11/16	35/16	3/8	78.0
10-S5V118	11.70	11.80	S1	6B	10	73/16	43/8	7/8	115/16	63/8	11/16	35/16	3/8	93.0
10-U5V125	12.40	12.50	U1	4B	103/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	132
10-U5V132	13.10	13.20	U1	4B	117/16	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	151
10-U5V140	13.90	14.00	U1	4B	121/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	177
10-U5V150	14.90	15.00	U1	4B	131/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	164

All dimensions in millimeters unless otherwise stated.

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V-pulleys

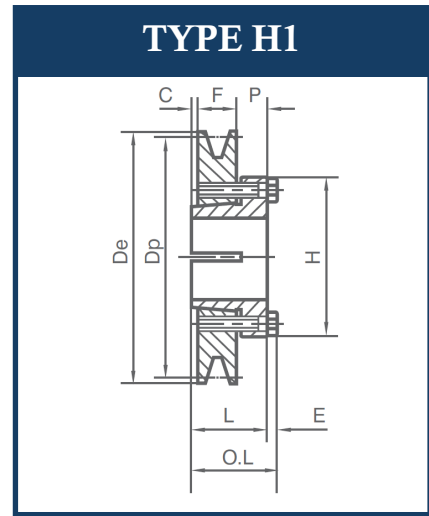
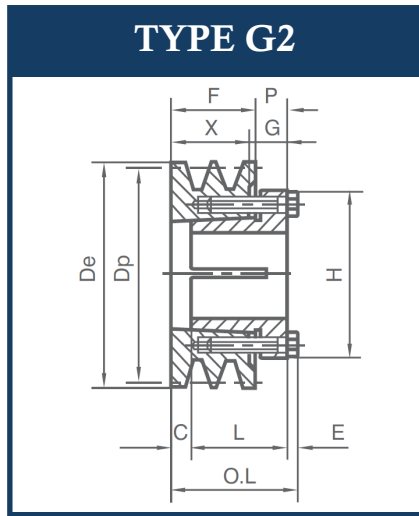
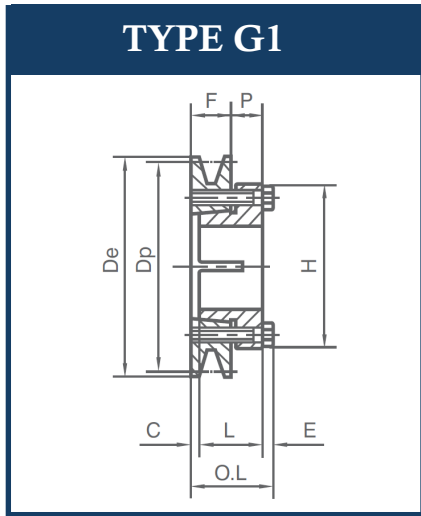
8v-STL Taper bushing



SHEAVE	DIAMETERS		Bushing Type	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
10-U5V160	15.90	16.00	U1	4B	141/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	178
10-U5V212	21.10	21.20	U1	4C	193/8	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	188
10-U5V250	24.90	25.00	U1	4C	231/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	213
10-U5V280	27.90	28.00	U1	4C	261/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	238
10-U5V375	37.40	37.50	U1	4C	353/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	293
10-U5V500	49.90	50.00	U1	4C	481/4	83/8	71/8	23/32	25/32	83/8	11/2	55/8	15/32	428
4-S8V125	12.30	12.50	S1	6A	91/2	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	94
4-S8V132	13.00	13.20	S1	6A	101/4	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	99
4-S8V140	13.80	14.00	S1	6A	11	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	114
4-S8V150	14.80	15.00	S1	6B	12	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	107
4-S8V160	15.80	16.00	S1	6B	13	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	113
4-S8V170	16.80	17.00	S1	6B	14	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	115
4-S8V180	17.80	18.00	S1	6B	15	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	123
4-S8V190	18.80	19.00	S1	6B	16	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	132
4-S8V200	19.80	20.00	S1	6B	17	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	147
4-S8V212	21.00	21.20	S1	6B	181/4	47/8	43/8	1/2	-	63/8	11/16	35/16	3/8	159
4-U8V224	22.20	22.40	Uo	4C	193/8	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	179
4-U8V300	29.80	30.00	Uo	4C	27	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	218
4-U8V400	39.80	40.00	Uo	4C	37	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	296
4-U8V480	47.80	48.00	Uo	4C	45	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	405
4-U8V530	52.80	53.00	Uo	4C	493/4	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	450
4-U8V580	57.80	58.00	Uo	4C	543/4	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	495
4-U8V640	63.80	64.00	Uo	4C	603/4	531/32	415/16	5/8	9/16	83/8	13/16	33/4	15/32	520
5-S8V125	12.30	12.50	S1	6B	91/2	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	100
5-S8V132	13.00	13.20	S1	6B	101/4	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	109
5-S8V140	13.80	14.00	S1	6B	11	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	127
5-S8V150	14.80	15.00	S1	6B	12	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	120
5-S8V160	15.80	16.00	S1	6B	13	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	127
5-S8V170	16.80	17.00	S1	6B	14	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	133
5-S8V180	17.80	18.00	S1	6B	15	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	140
5-S8V190	18.80	19.00	S1	6B	16	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	158
5-S8V200	19.80	20.00	S1	6B	17	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	166

All dimensions in millimeters unless otherwise stated.

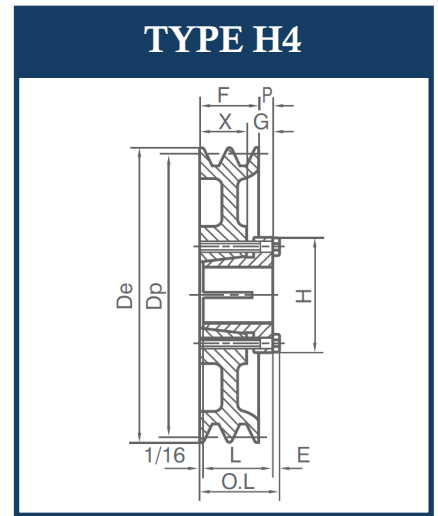
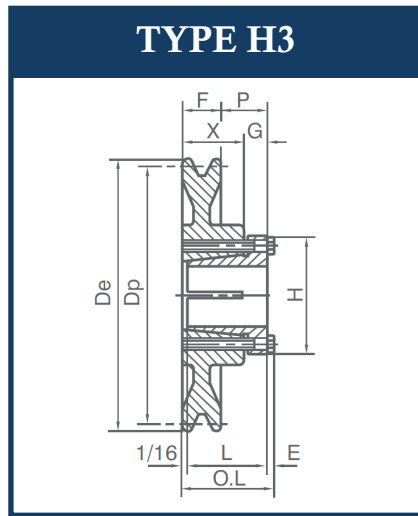
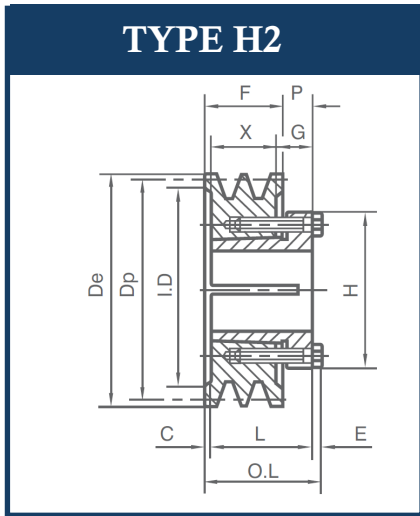
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SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
5-S8V212	21.00	21.20	S1	6B	181/4	6	43/8	7/8	3/4	63/8	11/16	35/16	3/8	174
5-U8V224	22.20	22.40	Uo	4C	193/8	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	197
5-U8V300	29.80	30.00	Uo	4C	27	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	243
5-U8V400	39.80	40.00	Uo	4C	37	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	325
5-U8V480	47.80	48.00	Uo	4C	45	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	440
5-U8V530	52.80	53.00	Uo	4C	493/4	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	480
5-U8V580	57.80	58.00	Uo	4C	543/4	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	525
5-U8V640	63.80	64.00	Uo	4C	603/4	617/32	415/16	1/16	11/8	83/8	13/16	33/4	15/32	555
6-S8V125	12.30	12.50	S1	6B	91/2	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	109
6-S8V132	13.00	13.20	S1	6B	101/4	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	119
6-S8V140	13.80	14.00	S1	6B	11	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	135
6-S8V150	14.80	15.00	S1	6B	12	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	139
6-S8V160	15.80	16.00	S1	6B	13	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	143
6-S8V170	16.80	17.00	S1	6B	14	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	147
6-S8V180	17.80	18.00	S1	6B	15	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	154
6-S8V190	18.80	19.00	S1	6B	16	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	167
6-S8V200	19.80	20.00	S1	6B	17	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	178
6-S8V212	21.00	21.20	S1	6B	181/4	71/8	43/8	2	3/4	63/8	11/16	35/16	3/8	186
6-U8V224	22.20	22.40	Uo	6C	193/8	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	195
6-U8V300	29.80	30.00	Uo	6C	27	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	263
6-U8V400	39.80	40.00	Uo	6C	37	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	368
6-U8V480	47.80	48.00	Uo	6C	45	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	478
6-U8V530	52.80	53.00	Uo	6C	493/4	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	510
6-U8V580	57.80	58.00	Uo	6C	543/4	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	555
6-U8V640	63.80	64.00	Uo	6C	603/4	71/8	415/16	1/2	111/16	83/8	13/16	33/4	15/32	585
8-S8V125	12.30	12.50	S2	6B	91/2	93/8	63/4	17/8	3/4	63/8	11/16	511/16	3/8	140
8-S8V132	13.00	13.20	S2	6B	101/4	93/8	63/4	17/8	3/4	63/8	11/16	511/16	3/8	176
8-S8V140	13.80	14.00	S2	6B	11	93/8	63/4	17/8	3/4	63/8	11/16	511/16	3/8	205
8-S8V150	14.80	15.00	S2	6B	12	93/8	63/4	17/8	3/4	63/8	11/16	511/16	3/8	211
8-S8V160	15.80	16.00	S2	6B	13	93/8	63/4	17/8	3/4	63/8	11/16	511/16	3/8	220
8-U8V170	16.80	17.00	U1	6B	14	93/8	71/8	11/4	1	83/8	11/2	55/8	15/32	248
8-U8V180	17.80	18.00	U1	6B	15	93/8	71/8	11/4	1	83/8	11/2	55/8	15/32	249

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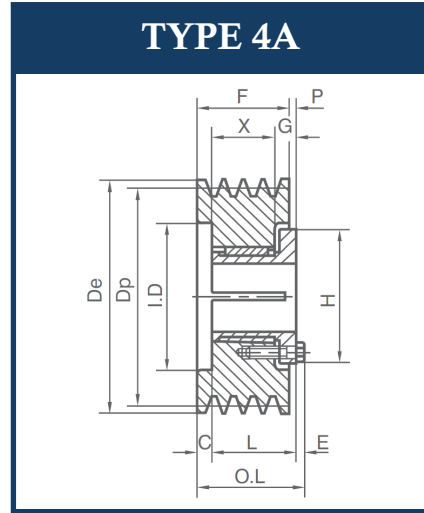
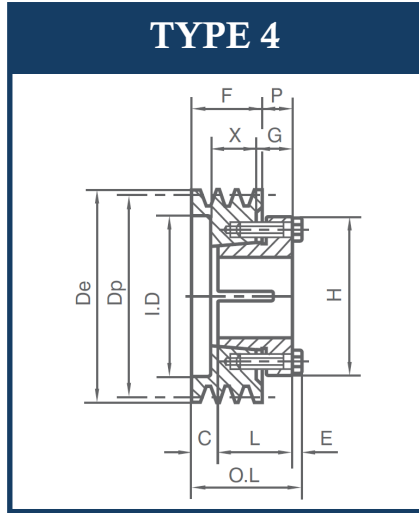
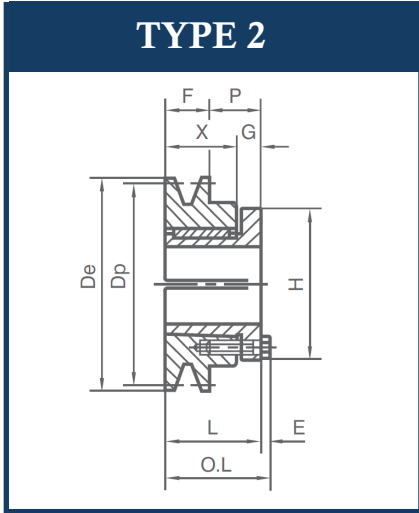
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SHEAVE	DIAMETERS		Bushing Type	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
8-U8V190	18.80	19.00	U1	6B	16	93/8	71/8	11/4	1	83/8	11/2	55/8	15/32	251
8-U8V200	19.80	20.00	U1	6B	17	93/8	71/8	11/4	1	83/8	11/2	55/8	15/32	255
8-U8V212	21.00	21.20	U1	6B	18 1/4	93/8	71/8	11/4	1	83/8	11/2	55/8	15/32	268
8-U8V224	22.20	22.40	U1	6C	19 3/8	915/32	71/8	3/8	17/8	83/8	11/2	55/8	15/32	295
8-U8V300	29.80	30.00	U1	6C	27	915/32	71/8	3/8	17/8	83/8	11/2	55/8	15/32	358
8-W8V400	39.80	40.00	W1	4C	37	105/16	81/4	3/8	11/2	121/2	17/8	63/8	9/16	567
8-W8V480	47.80	48.00	W1	4C	45	105/16	81/4	3/8	11/2	121/2	17/8	63/8	9/16	715
8-W8V530	52.80	53.00	W1	4C	49 3/4	105/16	81/4	3/8	11/2	121/2	17/8	63/8	9/16	762
8-W8V580	57.80	58.00	W1	4C	54 3/4	105/16	81/4	3/8	11/2	121/2	17/8	63/8	9/16	914
8-W8V640	63.80	64.00	W1	4C	60 3/4	105/16	81/4	3/8	11/2	121/2	17/8	63/8	9/16	970
10-U8V125	12.30	12.50	U1	6B	9 1/2	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	156
10-U8V132	13.00	13.20	U1	6B	10 1/4	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	182
10-U8V140	13.80	14.00	U1	6B	11	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	207
10-U8V150	14.80	15.00	U1	6B	12	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	240
10-U8V160	15.80	16.00	U1	6B	13	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	274
10-U8V170	16.80	17.00	U1	6B	14	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	283
10-U8V180	17.80	18.00	U1	6B	15	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	292
10-U8V190	18.80	19.00	U1	6B	16	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	304
10-U8V200	19.80	20.00	U1	6B	17	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	319
10-U8V212	21.00	21.20	U1	6B	18 1/4	115/8	71/8	31/2	1	83/8	11/2	55/8	15/32	326
10-U8V224	22.20	22.40	U1	6C	19 3/8	115/8	71/8	11/2	3	83/8	11/2	55/8	15/32	368
10-U8V300	29.80	30.00	U1	6C	27	115/8	71/8	11/2	3	83/8	11/2	55/8	15/32	410
10-W8V400	39.80	40.00	W1	6C	37	115/8	81/4	3/4	25/8	121/2	17/8	63/8	9/16	625
10-W8V480	47.80	48.00	W1	6C	45	115/8	81/4	3/4	25/8	121/2	17/8	63/8	9/16	811
10-W8V530	52.80	53.00	W1	6C	49 3/4	115/8	81/4	3/4	25/8	121/2	17/8	63/8	9/16	955
10-W8V580	57.80	58.00	W1	6C	54 3/4	115/8	81/4	3/4	25/8	121/2	17/8	63/8	9/16	1060
10-W8V640	63.80	64.00	W1	6C	60 3/4	115/8	81/4	3/4	25/8	121/2	17/8	63/8	9/16	1170
12-U8V125	12.30	12.50	U2	6B	9 1/2	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	200
12-U8V132	13.00	13.20	U2	6B	10 1/4	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	243
12-U8V140	13.80	14.00	U2	6B	11	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	282
12-U8V150	14.80	15.00	U2	6B	12	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	331
12-U8V160	15.80	16.00	U2	6B	13	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	387

All dimensions in millimeters unless otherwise stated.

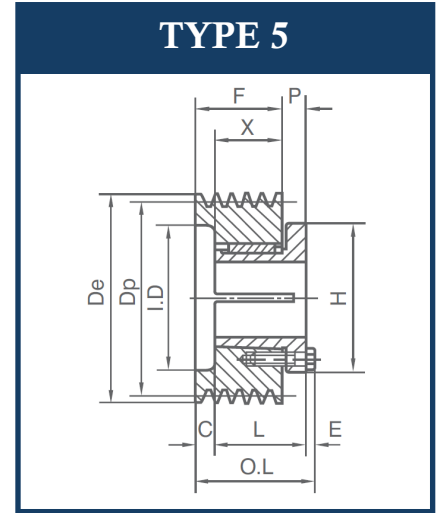
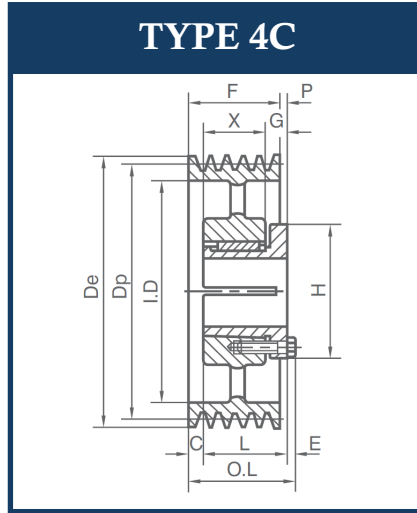
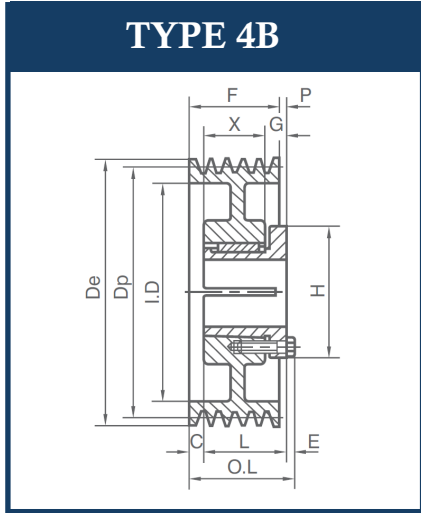
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SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
12-U8V170	16.80	17.00	U2	6B	14	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	395
12-U8V180	17.80	18.00	U2	6B	15	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	408
12-U8V190	18.80	19.00	U2	6B	16	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	435
12-U8V200	19.80	20.00	U2	6B	17	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	458
12-U8V212	21.00	21.20	U2	6B	18 1/4	137/8	101/8	23/4	1	83/8	11/2	85/8	15/32	471
12-U8V224	22.20	22.40	U2	6C	19 3/8	137/8	101/8	11/8	25/8	83/8	11/2	85/8	15/32	489
12-U8V300	29.80	30.00	U2	6C	27	137/8	101/8	11/8	25/8	83/8	11/2	85/8	15/32	509
12-W8V400	39.80	40.00	W2	6C	37	141/16	111/4	3/8	21/4	121/2	17/8	93/8	9/16	764
12-W8V480	47.80	48.00	W2	6C	45	141/16	111/4	3/8	21/4	121/2	17/8	93/8	9/16	1000
12-W8V530	52.80	53.00	W2	6C	49 3/4	141/16	111/4	3/8	21/4	121/2	17/8	93/8	9/16	1160
12-W8V580	57.80	58.00	W2	6C	54 3/4	141/16	111/4	3/8	21/4	121/2	17/8	93/8	9/16	1330
12-W8V640	63.80	64.00	W2	6C	60 3/4	141/16	111/4	3/8	21/4	121/2	17/8	93/8	9/16	1460
14-U8V125	12.30	12.50	U2	6B	9 1/2	161/8	101/8	5	1	83/8	11/2	85/8	15/32	220
14-U8V132	13.00	13.20	U2	6B	10 1/4	161/8	101/8	5	1	83/8	11/2	85/8	15/32	261
14-U8V140	13.80	14.00	U2	6B	11	161/8	101/8	5	1	83/8	11/2	85/8	15/32	300
14-U8V150	14.80	15.00	U2	6B	12	161/8	101/8	5	1	83/8	11/2	85/8	15/32	370
14-U8V160	15.80	16.00	U2	6B	13	161/8	101/8	5	1	83/8	11/2	85/8	15/32	415
14-U8V170	16.80	17.00	U2	6B	14	161/8	101/8	5	1	83/8	11/2	85/8	15/32	440
14-U8V180	17.80	18.00	U2	6B	15	161/8	101/8	5	1	83/8	11/2	85/8	15/32	450
14-U8V190	18.80	19.00	U2	6B	16	161/8	101/8	5	1	83/8	11/2	85/8	15/32	470
14-U8V200	19.80	20.00	U2	6B	17	161/8	101/8	5	1	83/8	11/2	85/8	15/32	490
14-U8V212	21.00	21.20	U2	6B	18 1/4	161/8	101/8	5	1	83/8	11/2	85/8	15/32	510
14-U8V224	22.20	22.40	U2	6C	19 3/8	161/8	101/8	21/4	33/4	83/8	11/2	85/8	15/32	659
14-U8V300	29.80	30.00	U2	6C	27	161/8	101/8	21/4	33/4	83/8	11/2	85/8	15/32	710
14-W8V400	39.80	40.00	W2	6C	37	161/8	111/4	11/2	33/8	121/2	17/8	93/8	9/16	840
14-W8V480	47.80	48.00	W2	6C	45	161/8	111/4	11/2	33/8	121/2	17/8	93/8	9/16	1140
14-W8V530	52.80	53.00	W2	6C	49 3/4	161/8	111/4	11/2	33/8	121/2	17/8	93/8	9/16	1234
14-W8V580	57.80	58.00	W2	6C	54 3/4	161/8	111/4	11/2	33/8	121/2	17/8	93/8	9/16	1450
14-W8V640	63.80	64.00	W2	6C	60 3/4	161/8	111/4	11/2	33/8	121/2	17/8	93/8	9/16	1550
16-U8V125	12.30	12.50	U2	6B	9 1/2	183/8	101/8	7 1/4	1	83/8	11/2	85/8	15/32	270
16-U8V132	13.00	13.20	U2	6B	10 1/4	183/8	101/8	7 1/4	1	83/8	11/2	85/8	15/32	280
16-U8V140	13.80	14.00	U2	6B	11	183/8	101/8	7 1/4	1	83/8	11/2	85/8	15/32	323

All dimensions in millimeters unless otherwise stated.

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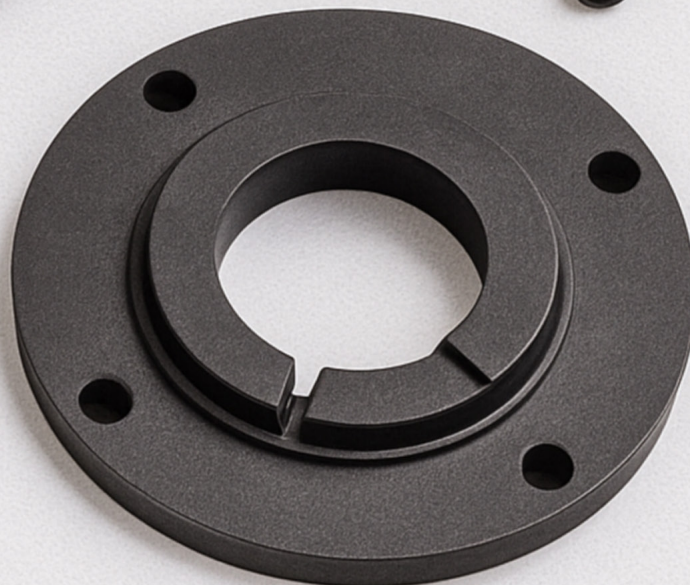
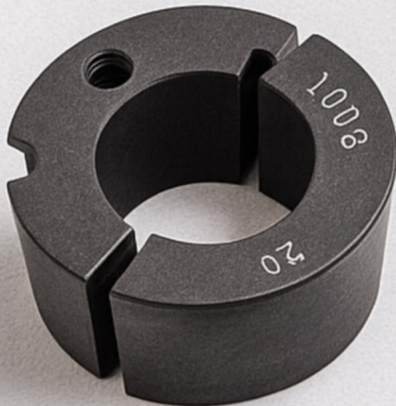
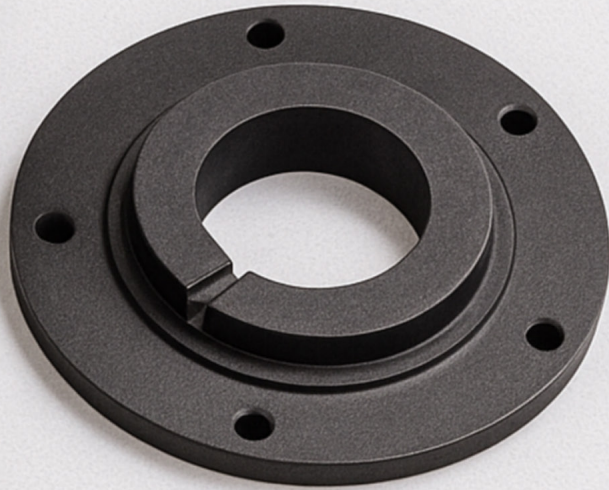
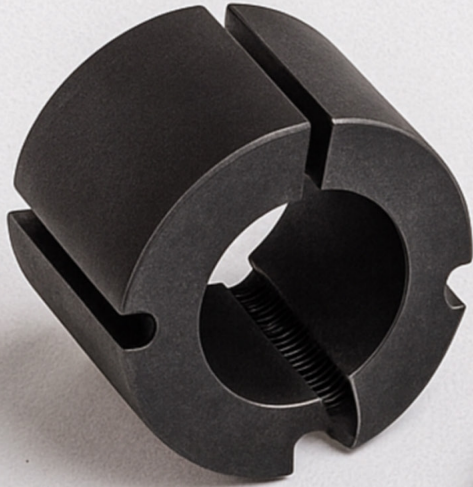


SHEAVE	DIAMETERS		Bushing	Type	I.D	OL	L	Dimensions						wt Incl Bush
	Dp	De						P	C	H	G	X	E	
16-U8V150	14.80	15.00	U2	6B	12	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	430
16-U8V160	15.80	16.00	U2	6B	13	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	445
16-U8V170	16.80	17.00	U2	6B	14	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	467
16-U8V180	17.80	18.00	U2	6B	15	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	480
16-U8V190	18.80	19.00	U2	6B	16	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	494
16-U8V200	19.80	20.00	U2	6B	17	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	520
16-U8V212	21.00	21.20	U2	6B	18 1/4	183/8	101/8	71/4	1	83/8	11/2	85/8	15/32	538
16-U8V224	22.20	22.40	U2	6C	19 3/8	183/8	101/8	33/8	47/8	83/8	11/2	85/8	15/32	722
16-W8V300	29.80	30.00	W2	6C	27	183/8	111/4	25/8	41/2	121/2	17/8	93/8	9/16	990
16-W8V400	39.80	40.00	W2	6C	37	183/8	111/4	25/8	41/2	121/2	17/8	93/8	9/16	1071
16-W8V480	47.80	48.00	W2	6C	45	183/8	111/4	25/8	41/2	121/2	17/8	93/8	9/16	1360
16-W8V530	52.80	53.00	W2	6C	49 3/4	183/8	111/4	25/8	41/2	121/2	17/8	93/8	9/16	1490
16-W8V580	57.80	58.00	W2	6C	54 3/4	183/8	111/4	25/8	41/2	121/2	17/8	93/8	9/16	1620
16-W8V640	63.80	64.00	W2	6C	60 3/4	183/8	111/4	25/8	41/2	121/2	17/8	93/8	9/16	1790
5-U5V500	49.90	50.00	Uo	4C	48 1/4	513/32	415/16	13/16	-	83/8	13/16	33/4	15/32	244



ART

Apollo Power Transmission



Features

Taper Bushes

- Quick and simple to install and remove
- No need for re-boring – wide range of metric and imperial bores available
- Proven taper bush system with millions of units in service worldwide
- Suits standard shaft tolerances
- Supplied with high-quality fixing screws
- Keys can be omitted in many light-duty applications
- Short overall length allows larger maximum bore sizes
- Supplied in protective, clearly labelled packaging with full fitting instructions

Adaptors

- Convert pilot-bore products for use with Apollo taper bushes
- Eliminate additional drilling, tapping and taper-boring operations
- Available with plain or keyed outside diameter
- Designed to meet all major international standards

Bolt-on Hubs

- Designed to accept the standard Apollo taper bush range
- Practical solution for converting fan rotors, impellers and similar components to taper-bush mounting without welding

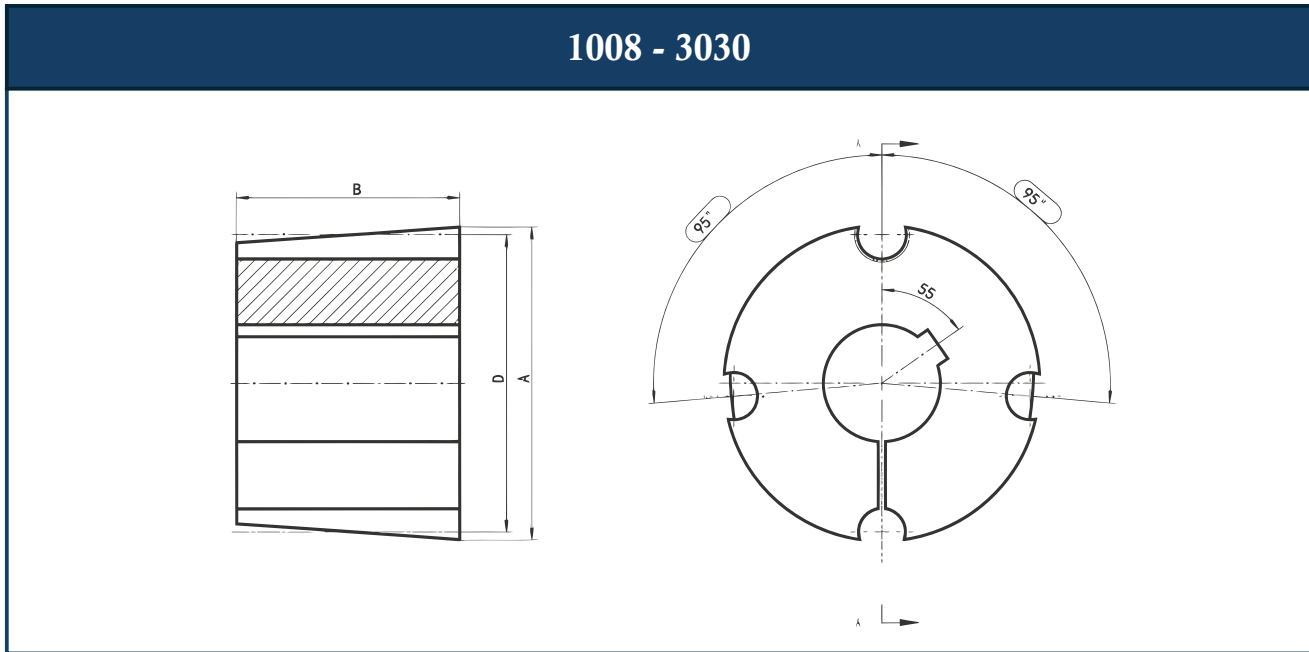
Weld-on Hubs

- Manufactured from low-carbon steel and machined to suit Apollo taper bushes
- Provide a simple method of welding hubs into fan rotors, plate sprockets and other fabricated parts
- Offered in three standard designs to cover a wide range of applications

Bush	Type	A	B	D	Screw Size (BSW)	PCS
3525	2	127	63.5	122.68	1/2" x 1 1/2"	3
3535	2	127.00	89.0	122.68	1/2" x 1 1/2"	3
4030	2	146.05	76.2	140.7	5/8" x 1 3/4"	3
4040	2	146.05	101.6	140.72	5/8" x 1 3/4"	3
4535	2	161.93	88.9	155.7	3/4" x 2"	3
4545	2	161.93	114.3	155.7	3/4" x 2"	3
5040	2	177.8	101.6	170.69	7/8" x 2 1/4"	3
5050	2	177.80	127.0	170.69	7/8" x 2 1/4"	3

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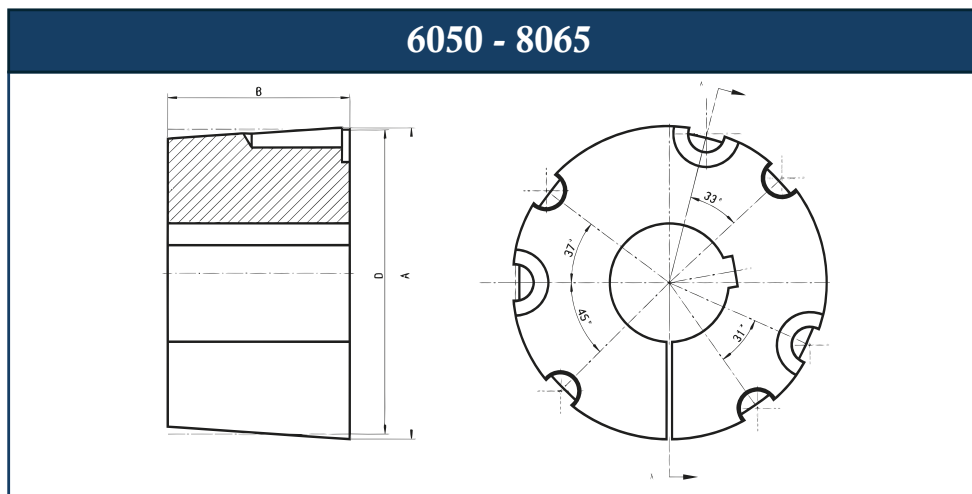
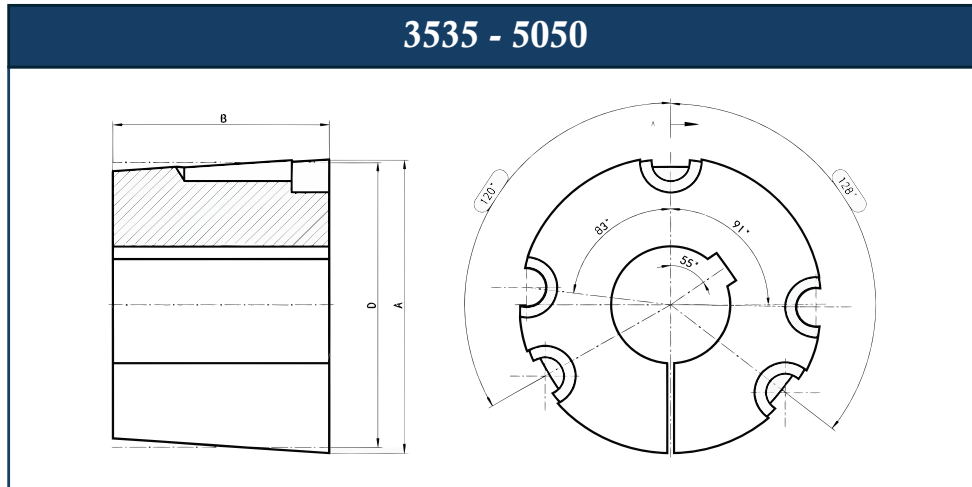
Range and Material Specifications

Hebei Apollo Power Transmission taper bushes are produced under strict quality control from high-grade GG25 cast iron, selected according to bush size. Thin-wall designs are manufactured from C45 steel or fine-grained GGG ductile iron to achieve an excellent balance of strength and toughness. All critical surfaces are precision-machined to maximise shaft-hub contact and ensure reliable torque transmission. With more than 700 individual sizes available from stock, Hebei Apollo offers one of the most complete taper bush ranges for modern power transmission applications.

Bush	Type	A	B	D	Screw Size (BSW)	PCS
1008	1	35.2	22.3	33.73	1/4" x 1/2"	2
1108	1	38.38	22.3	36.92	1/4" x 1/2"	2
1210	1	47.62	25.4	44.44	3/8" x 5/8"	2
1215	1	47.62	38.1	44.44	3/8" x 5/8"	2
1310	1	50.8	25.4	47.63	3/8" x 5/8"	2
1610	1	57.15	25.4	53.97	3/8" x 5/8"	2
1615	1	57.15	38.1	53.97	3/8" x 5/8"	2
2012	1	69.85	31.8	66.68	7/16" x 7/8"	2
2517	1	85.73	44.5	82.55	1/2" x 1"	2
3020	1	107.96	50.8	101.6	5/8" x 1 1/4"	2
3030	1	107.96	76.2	101.6	5/8" x 1 1/4"	2

Shaft Fixings

Taper Bushes



Bush	Type	A	B	D	Screw Size (BSW)	PCS
3525	2	127	63.5	122.68	1/2" x 1 1/2"	3
3535	2	127.00	89.0	122.68	1/2" x 1 1/2"	3
4030	2	146.05	76.2	140.7	5/8" x 1 3/4"	3
4040	2	146.05	101.6	140.72	5/8" x 1 3/4"	3
4535	2	161.93	88.9	155.7	3/4" x 2"	3
4545	2	161.93	114.3	155.7	3/4" x 2"	3
5040	2	177.8	101.6	170.69	7/8" x 2 1/4"	3
5050	2	177.80	127.0	170.69	7/8" x 2 1/4"	3
6050	3	234.95	127	228.6	1 1/4" x 3 1/2"	3
7060	4	260.35	152.4	254	1 1/4" x 3 1/2"	4
8065	4	285.75	165.1	279.4	1 1/4" x 3 1/2"	4



To Install

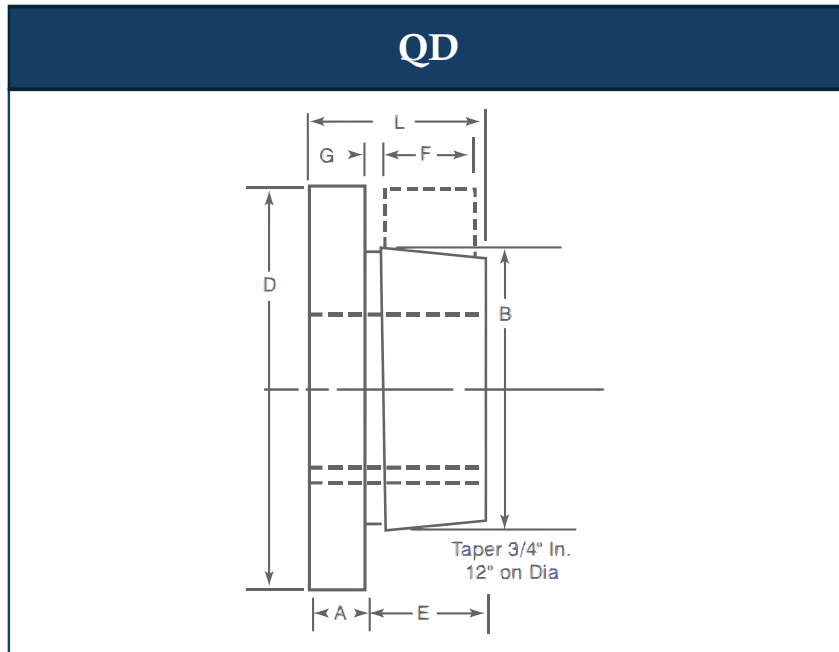
1. Make sure the shaft, hub bore and bush are clean, dry and free from burrs, oil and dirt. Insert the bush into the hub so that the fixing holes line up.
2. Lightly oil the threads and underside of the fixing screws. Place the screws into the threaded holes of the bush and turn them in only a few turns, leaving the bush free to move in the hub.
3. Clean the shaft and fit the key (if required). Slide the hub and bush assembly onto the shaft to the required position. Make sure the key is correctly seated and not too high.
4. Using a suitable hexagon wrench, tighten the screws alternately and gradually until the bush grips the shaft and the hub is firmly located. Do not fully tighten one screw before the others.
5. Place a soft block against the large end of the bush and tap lightly to seat the taper. Re-tighten the screws alternately to the recommended tightening torque (see torque table).
6. Rotate the shaft by hand to check that it runs true and that there is no interference. After a short period of operation, stop the drive and re-check the screw tightness.
7. Fill any spare or empty holes with grease to exclude dirt and moisture and to help prevent corrosion.

To Remove

1. Isolate the drive and make sure the machine cannot be started accidentally. Remove any guards as necessary.
2. Loosen all fixing screws by a few turns, but do not remove them completely.
3. Remove one or more screws and insert them into the threaded removal holes in the bush.
4. Lightly oil the removal screw(s) and tighten them alternately until the bush is forced free from the hub and the assembly loosens. If necessary, tap the hub lightly to assist release – do not strike the bush directly.
5. Slide the bush and hub off the shaft. Remove the key if fitted and clean all components for re-assembly or storage.

Shaft Fixings

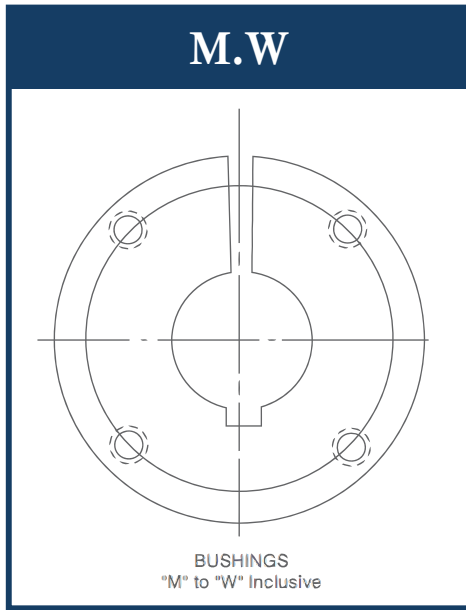
Note



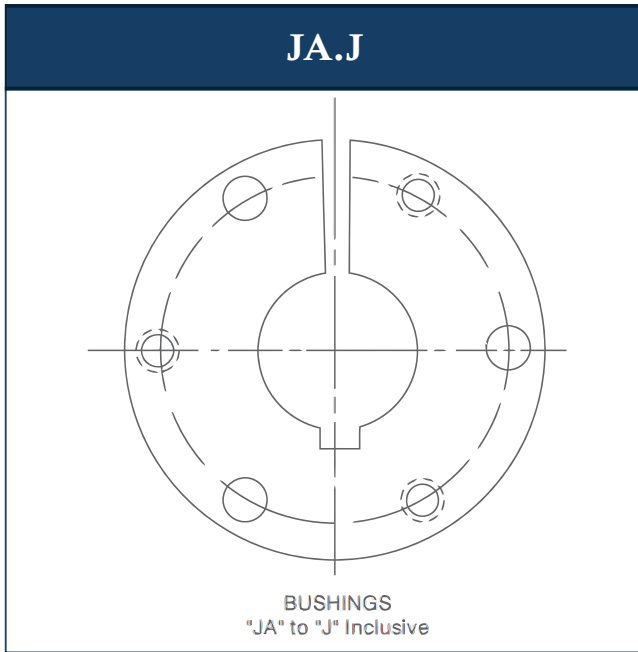
Bush- ing	Dimensions (Inches)								Cap Screws Required	Stock Bore Range			Set Screw Size	Average Weight (lb)
	A	B	D	E	F	G	L	Bolt Circle		Min .	Maximum			
											Standard Keyway	Shallow K		
JA	.375	1.375	2	.688	.563	.210	1	1.665	3 – 10 × 1	.375	1	1.25	10 – 24	0.9
SH	.438	1.871	2.688	.875	.813	.243	1.25	2.25	3 – .25 × 1.375	.5	1.375	1.688	.25 – 20	1.0
SDS	.5	2.187	3.188	.875	.75	.265	1.315	2.688	3 – .25 × 1.375	.5	1.688	2	.25 – 20	1.0
SD	.5	2.187	3.188	.938	1.25	.260	1.813	2.688	3 – .25 × 1.875	.5	1.688	1.938	.25 – 20	1.5
SK	.563	2.812	3.875	1.375	1.25	.317	1.875	3.313	3 – .313 × 2	.5	2.125	2.5	.313 – 18	2.0
SF	.563	3.125	4.625	1.5	1.25	.322	2	3.875	3 – .375 × 2	.5	2.313	2.316	.313 – 18	3.0
E	.75	3.834	6	1.875	1.625	.327	2.625	5	3 – .5 × 2.75	.875	2.875	3.5	.375 – 16	10.0
F	.813	4.437	6.625	2.813	2.5	.423	3.625	5.625	3 – .563 × 3.625	1	3.313	3.938	.5 – 13	11.5
J	1	5.148	7.25	3.5	3.188	.423	4.5	6.25	3 – .625 × 4.5	1.438	3.75	4.5	.625 – 11	18.0
M	1.25	6.5	9	5.5	5.188	.423	6.75	7.875	4 – .75 × 6.75	1.938	4.75	5.5	.75 – 10	37.0

Shaft Fixings

Standard QD Bushings



Bushing	Bores	Keyway
JA	.375 – .438 .5 – 1 1.063 – 1.125 .813 1.25	NO K .W . STD . .25 – .063 .25 – .063 NO K .W .
SH	.5 – 1.375 1.438 – 1.5 1.563 – 1.625 1.688	STD .375 × .063 .375 × .063 NO K .W .
SDS SD	.5 – 1.688 1.75 1.813 1.875 – 1.938 2 .5 – 1.688 1.75 1.813 1.875 1.938 2	STD . .375 × .125 .5 × .125 .5 × .063 NO K .W . STD . .375 × .125 .5 × .125 .5 × .063 .5 × .063 NO K .W .
SK	.5 – 2.125 2.188 – 2.25 2.313 – 2.5 2.563 – 2.625	STD . .5 × .125 .625 × .063 NO K .W .
SF	.5 – 2.25 2.313 – 2.5 2.563 – 2.75 2.813 – 2.875 2.938	STD . .625 × .188 .625 × .063 .75 × .063 .75 × .031
E F	.875 – 2.875 2.938 – 3.25 3.375 – 3.5 3.313 1 – 3.313 3.375 – 3.75 3.875 – 3.938 4	STD . .75 × .125 .875 × .063 .875 × .125 STD . .875 × .188 1 × .125 NONE
J M N	1.25 – 3.75 3.813 – 4.5 2 – 4.75 4.813 – 5.5 2.438 – 5 5.125 – 5.5 5.563 – 6	STD . 1 × .125 STD . 1.25 × .25 STD . 1.25 × .25 1.5 × .25
P W	2.938 – 5.938 6 – 6.5 6.563 – 7 4 – 7.5 7.563 – 8.5	STD . 1.5 × .25 1.75 × .125 STD . 2 × .25



Bushing	Bores MM	Key Stock Size w × t
SH	24, 25, 28, 30 32, 35	8 × 7 10 × 8
SDS	24, 25, 28, 30 32, 35, 38 40, 42	8 × 7 10 × 8 12 × 8
SD	24, 25, 28, 30 32, 35, 38 40, 42	8 × 7 10 × 8 12 × 8
SK	24, 25, 28, 30 32, 35, 38 40, 42 48, 50 55	8 × 7 10 × 8 12 × 8 14 × 9 16 × 10
SF	28, 30 32, 35, 38 40, 42 48, 50 55 60	8 × 7 10 × 8 12 × 8 14 × 9 16 × 10 18 × 11
E	35, 38 40, 42 48, 50 55 60, 65 70, 75	10 × 8 12 × 8 14 × 9 16 × 10 18 × 11 20 × 12
F	48, 50 55 60, 65 70, 75 80, 85 90	14 × 9 16 × 10 18 × 11 20 × 12 22 × 14 25 × 14
J	50 55 60, 65 70, 75 80, 85 90, 95 100	14 × 9 16 × 10 18 × 11 20 × 12 22 × 14 25 × 14 28 × 16



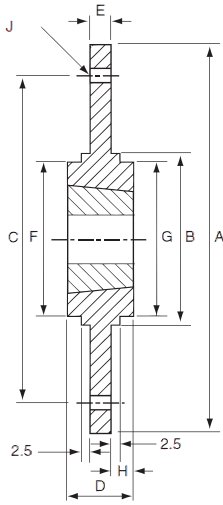


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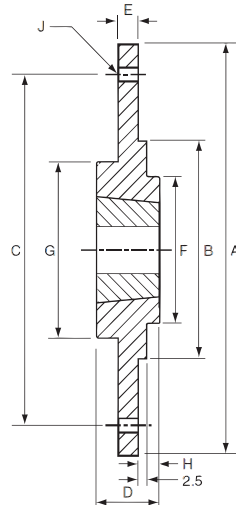
Apollo Power Transmission



SM Bolt-on-Hubs



BF Bolt-on-Hubs



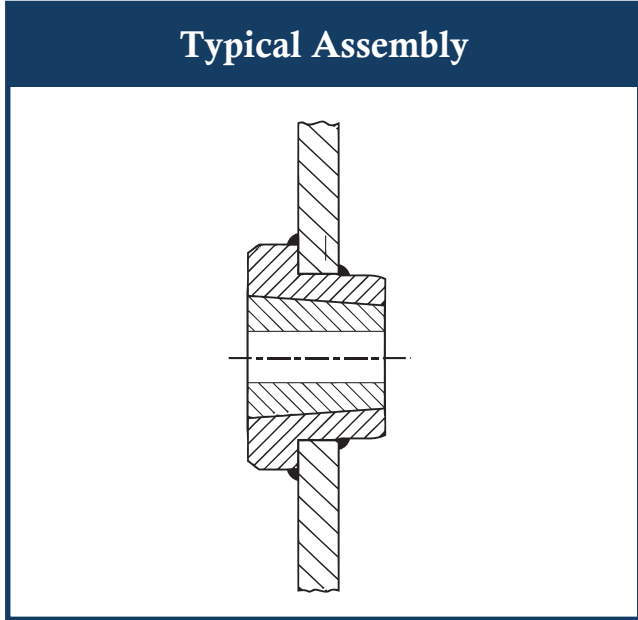
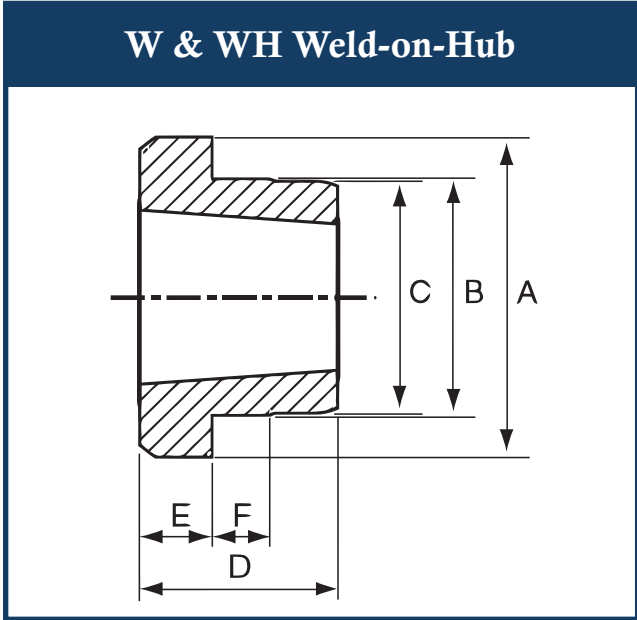
Apollo taper-bore bolt-on hubs are designed for use with the widely adopted taper bush system.

They provide a quick and convenient method of attaching fan rotors, impellers, agitators and other rotating components which must be firmly secured to a shaft.

Apollo bolt-on hubs, types BF and SM, complete the product range. They are manufactured from high-grade cast iron and are phosphate-treated for improved corrosion resistance and long service life.

Hub Reference	Bush Size	A	B	C	D	E	F/G	H	J (No. x Diam)
SM12	1210	180	90	135	26	6.5	80	9.75	6×7.5
SM16-1	1610	200	110	150	26	7.5	90	9.25	6×7.5
SM16-2	1615	200	110	150	38	7.5	90	15.25	6×7.5
SM20	2012	270	140	190	32	8.5	100	11.75	6×9.5
SM25	2517	340	170	240	45	9.5	119	17.75	8×11.5
SM30-1	3020	430	220	300	51	13.5	147	18.75	8×13.5
SM30-2	3020	485	250	340	51	13.5	147	18.75	8×13.5

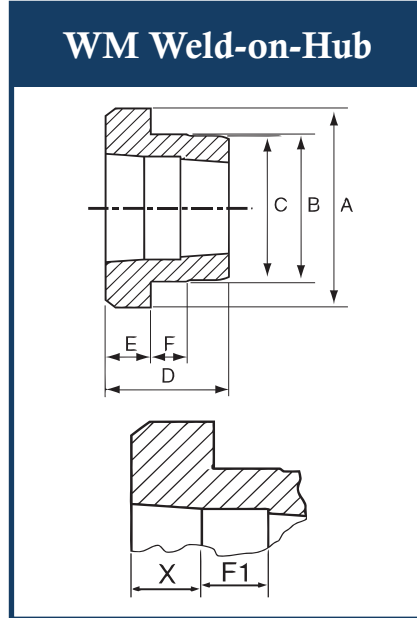
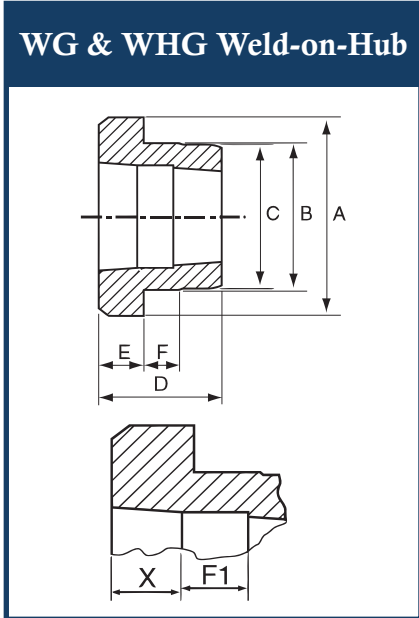
Hub Reference	Bush Size	A	B	C	D	E	F	G	H	J (No. x Diam)
BF12	1210	120	80	100	25	6.5	74	80	10	6×6.5
BF16	1610	130	90	110	25	6.5	84	90	10	6×6.5
BF20	2012	145	100	125	32	8.5	99	100	13	6×8.5
BF25	2517	185	130	155	44	11.5	120	119	20	6×10.5
BF30	3020	220	165	190	50	11.5	146	147	20	6×13.0



Hub Reference	Bush Size	A	B	C	D	E	F	F1	X
W12	1215	73	64	63	38	16	10	-	-
W16	1615	83	73	72	38	16	10	-	-
W25	2517	127	111	110	44	19	13	-	-
WG30	3030	150	133	133	76	25	19	23	23
WG35	3535	184	159	158	89	32	25	30	30
WG40	4040	225	197	196	102	32	32	34	34
WG45	4545	254	222	221	114	38	38	38	38
WG50	5050	276	241	240	127	38	38	42	42
WG60	6050	375	343	342	127	38	38	42	42
WG70	7060	425	375	374	153	51	51	51	51
WG80	8065	445	394	393	165	51	51	55	55
WG100	10085	559	495	494	216	51	51	72	72
WH12	1210	70	65	64.5	25	9	10	-	-
WH16-1	1610	80	75	74.5	25	9	10	-	-
WH20	2012	95	90	89.5	32	12	12	-	-
WH25	2517	115	110	109.5	44	19	15	-	-
WHG30-2	3020	145	140	139.5	50	20	15	17	17
WHG35	3525	190	180	179.5	65	25	25	22	22
WHG40-1	4030	200	190	189.0	76	32	30	25	25
WHG40-2	4040	200	190	189.5	101	32	30	34	34
WHG45-1	4535	210	200	199.5	89	40	30	30	30
WHG45-2	4545	210	200	199.5	114	40	30	38	38
WHG50-1	5040	230	220	219.5	102	40	35	34	34
WHG50-2	5050	230	220	219.5	127	40	35	42	42

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.



Apollo taper-bore weld-on hubs are produced from low-carbon steel and are drilled, tapped and taper-bored to suit standard taper bushes. The extended flange offers a convenient means of welding the hub into fan rotors, steel pulleys, plate sprockets, impellers, agitators and many other fabricated components which need to be positively locked to a shaft.

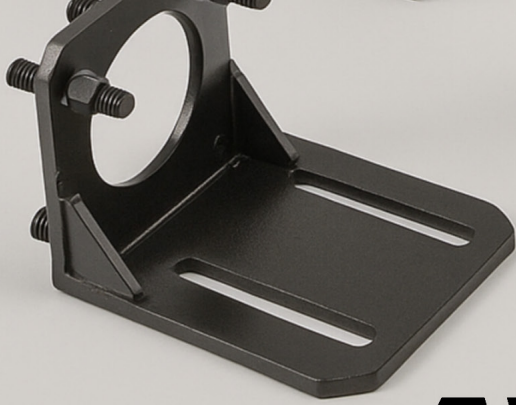
All hubs are manufactured to international dimensional standards to ensure full interchangeability and consistent performance.

Hub Reference	Bush Size	A	B	C	D	E	F	F1	X
WMG12	1210	70	60	58	26	9	10	9	9
WMG16-1	1610	83	70	68	26	9	10	9	9
WMG16-2	1615	83	70	68	38	16	11	13	13
WMG20	2012	95	90	88	32	12	12	11	11
WMG25	2517	127	110	108	44	19	13	15	15
WMG30-2	3020	152	130	125	50	20	15	17	17
WMG30-3	3030	152	130	125	76	25	19	25	25
WMG35	3535	184	155	151	89	32	25	30	30
WMG40	4040	225	195	187	102	32	32	34	34
WMG45	4545	254	220	213	114	38	38	38	38
WMG50	5050	276	242	228	127	38	38	42	42

Weld-on Hubs – Welding Guidelines

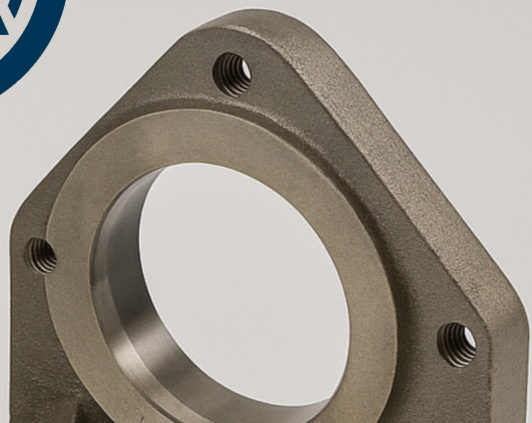
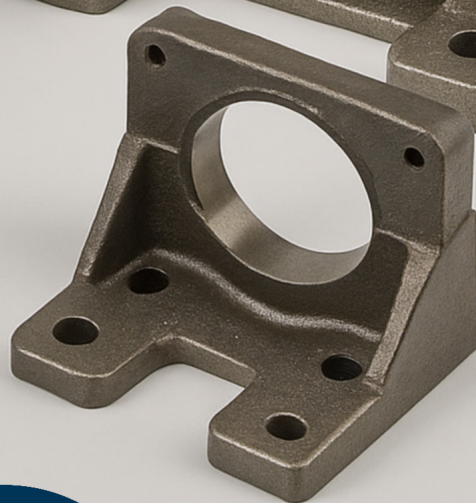
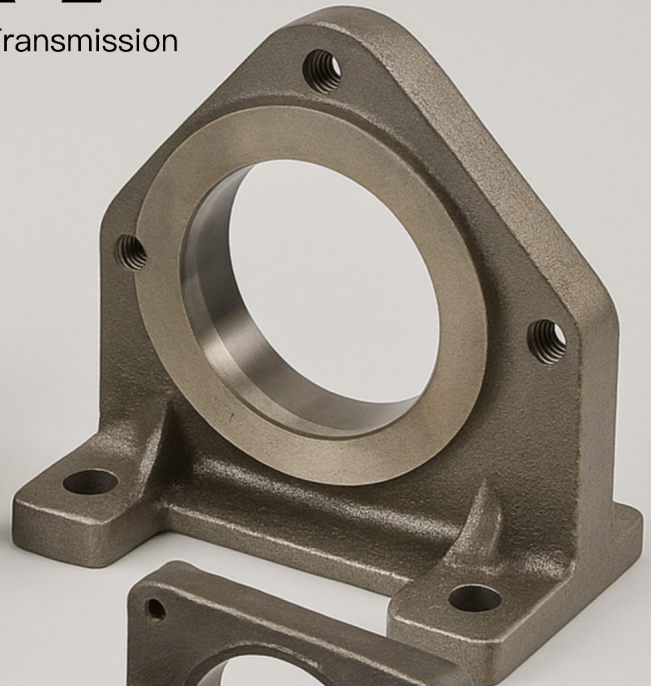
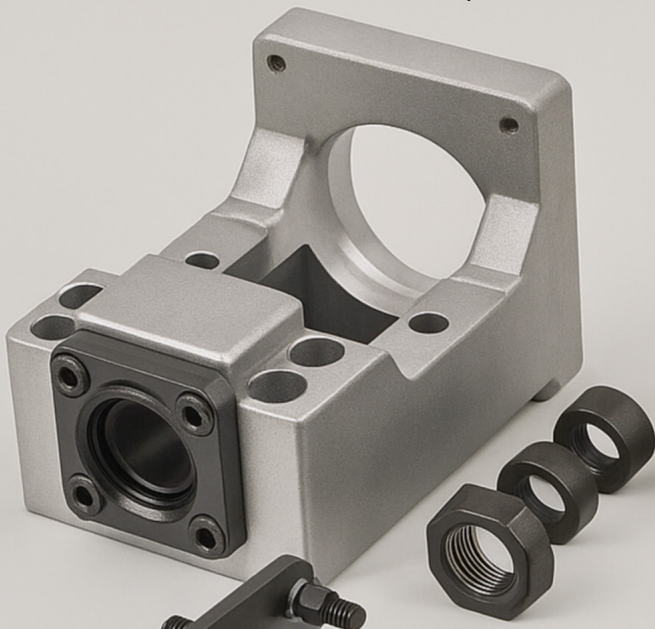
Hebei Apollo Power Transmission weld-on hubs are manufactured from steel and are drilled, tapped and taper-bored to accept standard taper bushes. The outer flange provides a simple and reliable method of welding the hub into fan rotors, fabricated steel pulleys, plate sprockets, impellers and other fabricated parts which must be securely mounted on a shaft. For normal applications we recommend a continuous 45° mitre fillet weld applied to the larger outside diameter of the hub only. To maintain concentricity and minimise distortion, only the weld size necessary to achieve the required strength should be used. Excessive weld build-up leads to higher heat input and increases the risk of distortion. The recommended continuous fillet weld sizes for each hub size are given in Table A.

For electric arc welding, low-hydrogen electrodes are recommended. The “G” reference on Apollo weld-on hubs indicates a weld relief inside the bore which helps to reduce distortion caused by the weld bead.

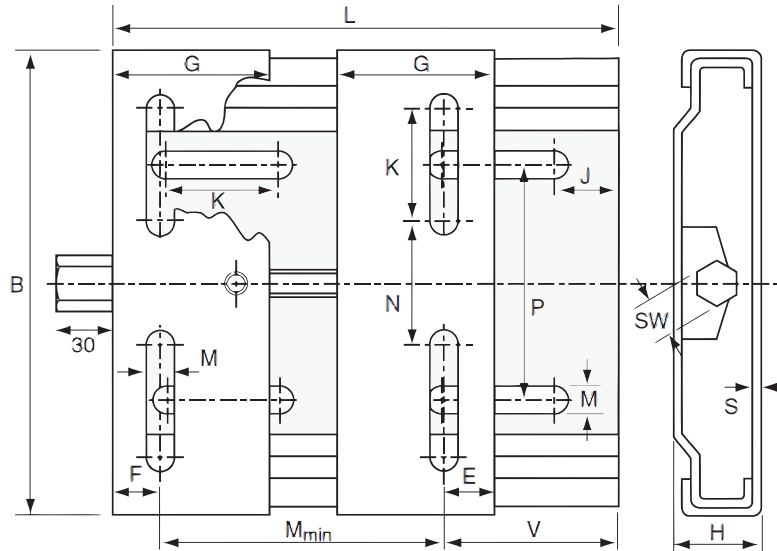


ART

Apollo Power Transmission



SIZE 210 to 490



Rapid-Fit Motor Mount – Specification

The Apollo rapid-fit motor mount provides a quick and economical way to secure electric motors to machine bases. Five sizes are available, manufactured from cold-rolled steel and hot-dip galvanised for excellent corrosion resistance. Each size covers a range of IEC motor frame sizes from 63 up to 180 and features four elongated fixing slots for easy mounting to the foundation.

Design & Alignment

The motor mount consists of a pressed top plate sliding smoothly over a rigid base plate. This two-piece design minimises vibration and noise while maintaining accurate belt alignment. Belt tension is adjusted simply by turning a single threaded screw, allowing precise and repeatable setting of belt tension.

Motor Mounting & Adjustment

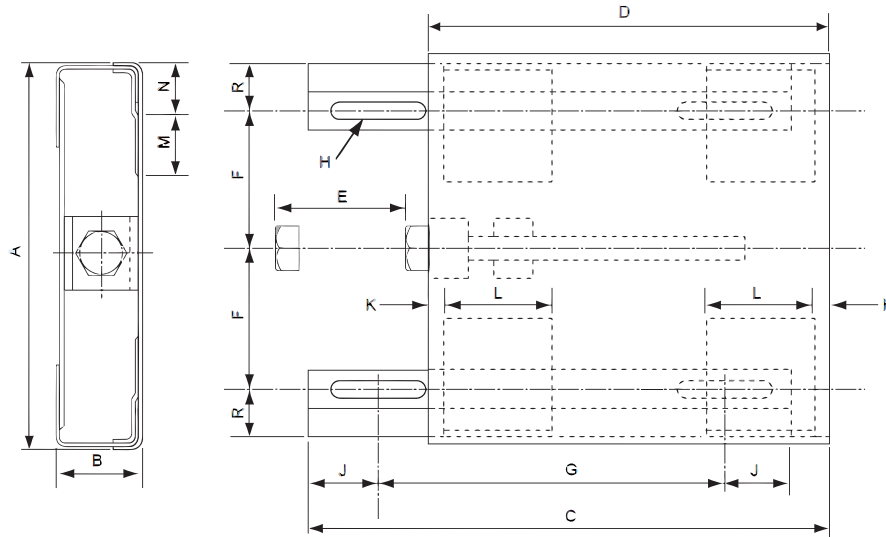
The motor is bolted to the adjustable top plate, which is designed to accept a wide variety of motor frame sizes. Centre distance between motor and driven pulley can be altered without loosening the motor fixing bolts, greatly reducing set-up time and simplifying maintenance.

Fitting Instructions

1. Slightly loosen the two bolts securing the cap (A) located ahead of the hexagonal adjustment nut.
2. Apply a light film of oil to the shaft beneath cap (A).
3. Lightly lubricate the threaded portion of the shaft where it passes through the adjustment plate (B).
4. Slide the base to suit the required motor frame size.
5. Re-tighten the two bolts (A) to lock the motor mount in position.

Type	Frame Size	L	B	H	Mmin	G	E	J	K	M	N	P	SW	S	Weight kg
210	63-80	210	195	34	100	70	20	25	50	10.5	43	98	19	3	2.4
270	63-112	270	195	33	100	70	20	25	50	10.5	43	98	19	3	2.8
340	90-132	340	280	40	135	95	27	30	62	12.5	90	165	22	4	7.4
430	90-160	430	282	40	132	95	27	29	62	12.5	90	165	22	4	8.0
490	160-180	490	410	40	114	95	40	30	60	15.0	193	284	22	4	12.0

SIZE 0 to B



Standard Motor Mount – Specification

The Apollo standard motor mount is available in three sizes, covering IEC motor frame sizes 63 to 225.

Each base is a robust pressed-steel fabrication with four elongated mounting slots, allowing easy and secure fixing to the machine foundation.

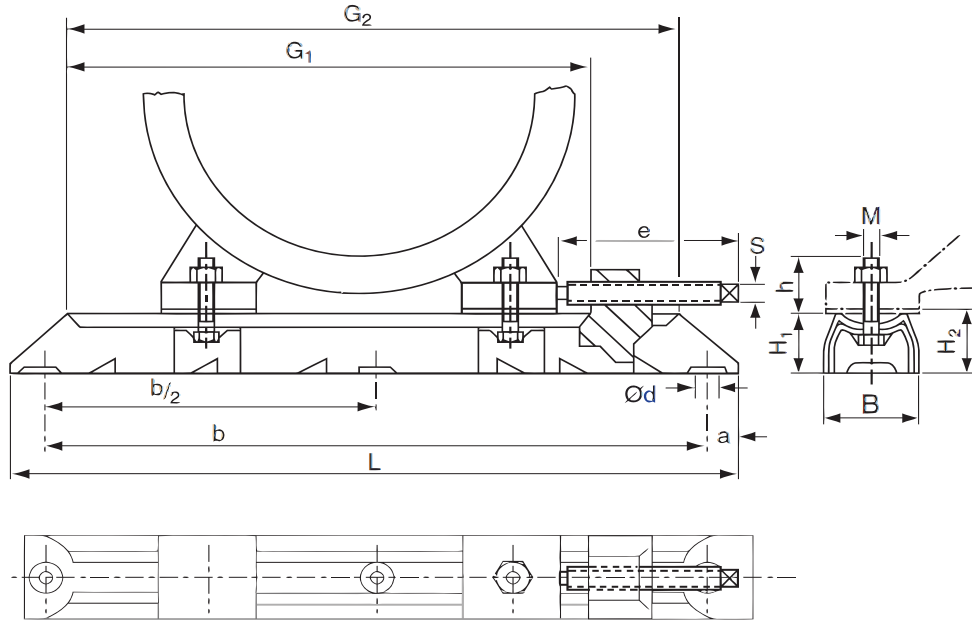
Surface Finish

All bases are finished with a durable stoved-enamel coating.

Adjustment screws are zinc-plated to improve corrosion resistance and ensure smooth long-term operation.

Base Ref	Motor Frame Ref	Motor Bolt Holes	A	B	C	D	Movement E	F	G	H	J	K	I	M	N	R	SW	Weight kg
0	63	7	146	29	225	170	80	55.0	148	9.5×25	27	60	50	32	18	15.0	17	1.4
	71																	
A	80	10	240	55	325	258	100	89.0	215	13×51	45	10	70	51	32	28.5	24	5.3
	90S																	
	90L																	
	100S	12																
	100L																	
	112S																	
	112M																	
132S																		
B	132M	12	428	60	578	450	180	172.5	370	17×50	51	28	100	98	42	36.0	24	19.0
	160M	15																
	160L																	
	180M																	
	180L	19																
	200M																	
	200L																	
225M																		

SIZE 312 to 686



Slide Rails – Specification

Apollo slide rails are available for motor frame sizes 63 to 225.

Each set is manufactured from robust galvanised steel and supplied with movable positioning blocks, allowing rapid and accurate alignment of belt and chain drives.

The pressed-steel rails are rigidly secured to the base using three fixing bolts.

The motor feet are then bolted to the rails, creating a solid assembly that helps minimise vibration and noise while maintaining a stable running position.

Base Ref	Overall Length L	Slide Length G1	Motor Frame Ref	M x h	l x S	G2	a	b	b/2	Ød	B	H1	H2	Weight kg
312/6	312	240	63/71	M6×19	75×6	262	16	280	-	12	40	28	30	1.4
312/8	312	240	80/90	M8×27	75×6	262	16	280	-	12	40	28	30	1.5
375/6	375	305	63/71	M6×19	75×6	325	16	343	-	12	40	26	30	1.5
375/8	375	305	80/90	M8×27	75×6	325	16	343	-	12	40	28	30	1.6
375/10	375	305	100/112	M10×32	75×6	325	16	343	-	12	40	28	30	1.6
395/8	395	302	80/90	M8×28	97×8	325	20	355	-	12	50	40	43	3.4
395/10	395	302	100/112	M10×35	97×8	325	20	355	-	12	50	40	43	3.4
495/8	495	405	80/90	M8×29	97×8	425	20	455	-	12	50	40	43	4.0
495/10	495	405	100/112/132	M10×35	97×8	425	20	455	-	12	50	40	43	4.0
495/12	495	405	160	M12×49	97×8	425	20	455	-	12	50	40	43	4.0
530/10	530	413	132	M10×37	119×9	442	25	480	-	14	60	50	54	6.4
530/12	530	413	160	M12×49	119×9	442	25	480	-	14	60	50	54	6.4
630/10	630	515	132	M10×37	119×9	542	25	580	-	14	60	50	54	8.2
630/12	630	515	160/180	M12×45	119×9	542	25	580	-	14	60	50	54	8.2
686/12	686	538	160/180	M12×43	154×12	575	28	630	315	18	75	60	64	12.8
686/16	686	538	200/225	M16×62	154×12	575	28	630	315	18	75	60	64	12.8

Motor Mounts

Notes





Fitting Instructions

1. Application: Select an Apollo tyre coupling to drive a reciprocating pump from a 30 kW, 980 rev/min electric motor. The pump absorbs 24 kW and operates 16 hours per day.

Motor shaft diameter: 60 mm

Pump shaft diameter: 55 mm

Taper-bush type flanges are required on both shafts.

2. Service factor From the Service Factor Table, the factor for an electric motor driving a reciprocating pump with this duty is 1.9.

3. Design power: Using the absorbed power of the pump: Design power = 24 kW × 1.9 = 45.6 kW

4. Coupling size selection: From the Power Rating Table, reading down to approximately 980 rev/min and interpolating between speeds, an FFX 090 coupling is rated at 50.45 kW, which exceeds the required 45.6 kW. Therefore, size FFX 090 is suitable.

5. Bore dimensions and taper bushes: From the Dimension Table, both the “F” and “H” flanges of an FFX 090 use a 2517 taper bush.

This bush size is available with bores to suit both the 60 mm motor shaft and the 55 mm pump shaft, so the selected coupling and bush combination meets the shaft requirements of the application.

Tyre Coupling – Selection Procedure

1. Service factor

Using the Service Factor Table, select the factor appropriate to the type of prime mover, driven machine and duty.

2. Design power

Multiply the absorbed power of the driven machine (kW) by the service factor from step 1 to obtain the design power.

If the absorbed power is not known, use the rated power of the prime mover instead.

3. Coupling size selection

Refer to the Power Rating Table for Apollo tyre couplings. Down the left-hand column, locate the required running speed.

Move horizontally along this speed row until you find a power value that is equal to or greater than the design power from step. Move vertically to the top of that column to identify the correct coupling size.

4. Bore and bush selection

From the Dimension Table, check that the chosen coupling size can accommodate the shaft diameters and selected taper bushes for the application.

Table 1, Service Factors

Special cases For applications where shock, vibration and torque fluctuations occur – consult Challenge	Type of prime mover					
	'Soft' Starts			'Heavy' Starts		
	Electric motors and other smooth running prime movers			Internal Combustion Engines		
Type of driven machine	Number of hours per day running					
	10 and under	over 10 - 16 incl	over 16	10 and under	over 10 - 16 incl	over 16
Uniform load Light duty agitators, belt conveyors for sand etc., fans upto 7.5 kW, centrifugal compressors and pumps,	0.8	0.9	1.0	1.3	1.4	1.5
Moderate load Variable density agitators, belt conveyors (nonuniform loads), fans over 7.5 kW, other rotary compressors and pumps, generators, machine tools, printing machinery, laundry machinery, rotary screens, rotary woodworking machinery	1.3	1.4	1.5	1.8	1.9	2.0
Heavy load Reciprocating compressors and pumps, positive displacement blowers, heavy duty conveyors such as screw, bucket etc., hammer mills, pulverisers, presses, shears, punches, rubber machinery	1.8	1.9	2.0	2.3	2.4	2.5
Severe load Crushers – gyratory, jaw, roll etc., rolling mills, calenders, quarry machinery, vibrating screens	2.3	2.4	2.5	2.8	2.9	3.0

Table 2, Power Ratings (kW)

Rotational speed in rev/min	FFX 40	FFX 50	FFX 60	FFX 70	FFX 80	FFX 90	FFX 100	FFX 110	FFX 120	FFX 140	FFX 160	FFX 180	FFX 200	FFX 220	FFX 250
100	0.28	0.87	1.58	2.59	4.06	5.16	6.83	9.09	14.2	26.7	41.8	65.4	96.8	120	154
150	0.42	13.1	2.37	3.89	6.09	7.74	10.2	13.6	21.3	40.1	62.7	98.1	145	180	231
200	0.56	1.74	3.16	5.18	8.12	10.3	13.7	18.2	28.5	53.4	83.6	131	194	240	308
300	0.84	2.61	4.74	7.77	12.2	15.5	20.5	27.3	42.6	80.1	125	196	290	360	462
400	1.12	3.48	6.32	10.4	16.2	20.6	27.3	36.4	56.8	107	167	262	387	480	616
500	1.41	4.36	7.88	12.9	20.2	25.7	34.1	45.4	71.4	134	209	327	484	601	767
600	1.68	5.22	9.48	15.5	24.4	31	41	54.5	85.2	160	251	392	581	720	924
700	1.97	6.1	11	18.1	28.4	36	47.7	63.6	99.8	187	292	458	678	842	1074
720	2.02	6.26	11.3	18.6	29.2	37.1	49.1	65.4	103	192	301	471	697	866	1104
800	2.25	6.97	12.5	20.7	32.4	41.2	54.5	72.3	114	214	334	523	775	962	1227
900	2.53	7.84	14.1	23.3	36.5	46.3	61.4	81.8	128	241	376	589	872	1082	1380
960	2.69	8.36	15.1	24.8	38.9	49.4	65.5	87.3	137	257	401	628	929	1154	1472
1000	2.81	8.71	15.7	25.9	40.6	51.5	68.2	90.9	143	267	419	655	968	1203	1534
1200	3.37	10.4	18.9	31	48.6	61.8	81.8	109	171	321	502	785	1162	-	-
1400	3.93	12.2	22	36.2	56.8	72.1	95.5	127	200	375	585	916	-	-	-
1440	4.04	12.5	22.6	37.2	58.4	74.2	98.3	131	206	385	602	942	-	-	-
1500	4.21	13	23.6	38.8	60.9	77.3	102	136	214	401	627	982	-	-	-
1800	5.05	15.6	28.3	46.5	73	92.7	123	164	257	481	-	-	-	-	-
2000	5.62	17.4	31.5	51.8	81.1	103	136	182	286	-	-	-	-	-	-
2500	7.02	21.7	39.3	64.7	102	129	145	-	-	-	-	-	-	-	-
2880	8.08	25	45.3	74.5	117	149	-	-	-	-	-	-	-	-	-
3000	8.42	26.1	47.2	77.6	122	155	-	-	-	-	-	-	-	-	-
3500	9.82	30.4	55.1	90.6	-	-	-	-	-	-	-	-	-	-	-
4000	11.2	34.8	63	-	-	-	-	-	-	-	-	-	-	-	-
4500	12.6	39.1	-	-	-	-	-	-	-	-	-	-	-	-	-

All dimensions in millimeters unless otherwise stated.

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Coupling Size	Bush		Max Bore		Pilot				Types F&H		Type B		Weight# kg
	Size	Metric	Inch	Bore	A	B	C	M*	F	D	F	D	
040B	-	32	-	12	104	-	82	11	-	-	33	22	0.84
040F	1008	25	1"	-	104	-	82	11	33	22	-	-	0.84
040H	1008	25	1"	-	104	-	82	11	33	22	-	-	0.84
050B	-	38	-	15	133	79	100	12.5	-	-	45	32.5	1.26
050F	1210	32	1.1/4"	-	133	79	100	12.5	37.5	25	-	-	1.26
050H	1210	32	1.1/4"	-	133	79	100	12.5	37.5	25	-	-	1.26
060B	-	45	-	18	165	103	124.5	16.5	-	-	55	38.5	2.1
060F	1610	42	1.5/8"	-	165	103	124.5	16.5	41.5	25	-	-	2.1
060H	1610	42	1.5/8"	-	165	103	124.5	16.5	41.5	25	-	-	2.1
070B	-	50	-	22	187	80	142	11.5	-	-	46.5	35	3.26
070F	2012	50	2"	-	187	80	142	11.5	44.5	33	-	-	3.26
070H	1610	42	1.5/8"	-	187	80	142	11.5	42.5	31	-	-	3.15
080B	-	60	-	25	211	98	165	12.5	-	-	55	42.5	5.15
080F	2517	65	2.1/2"	-	211	98	165	12.5	58.5	46	-	-	5.15
080H	2012	50	2"	-	211	98	165	12.5	45.5	33	-	-	4.83
090B	-	70	-	28	235	108	187	13.5	-	-	63.5	50	7.46
090F	2517	65	2.1/2"	-	235	108	187	13.5	59.5	46	-	-	7.35
090H	2517	65	2.1/2"	-	235	108	187	13.5	59.5	46	-	-	7.35
100B	-	80	-	32	254	120	214	13.5	-	-	70.5	57	10.4
100F	3020	75	3"	-	254	120	214	13.5	65.5	52	-	-	10.4
100H	2517	65	2.1/2"	-	254	120	214	13.5	59.5	46	-	-	9.87
110B	-	90	-	30	279	134	232	12.5	-	-	70.5	58	13.1
110F	3020	75	3"	-	279	134	232	12.5	64.5	52	-	-	12.3
110H	3020	75	3"	-	279	134	232	12.5	64.5	52	-	-	12.3
120B	-	100	-	38	314	143	262	14.5	-	-	84.5	70	17.7
120F	3525	100	4"	-	314	140	262	14.5	80.5	66	-	-	17.3
120H	3020	75	3"	-	314	140	262	14.5	66.5	52	-	-	16.7
140B	-	130	-	75	359	178	313	16	-	-	110	94	23.3
140F	3525	100	4"	-	359	178	313	16	82	66	-	-	23.4
140H	3525	100	4"	-	359	178	313	16	82	66	-	-	23.4
160B	-	140	-	75	402	197	347	15	-	-	117	102	37.6
160F	4030	115	4.1/2"	-	402	197	347	15	92.4	77.4	-	-	34.1
160H	4030	115	4.1/2"	-	402	197	347	15	92.4	77.4	-	-	34.1
180B	-	150	-	75	470	205	396	23	-	-	137	114	51.6
180F	4535	125	5"	-	470	205	396	23	112	89	-	-	44.3
180H	4535	125	5"	-	470	205	396	23	112	89	-	-	44.3
200B	-	150	-	85	508	206	433	24	-	-	138	114	61.1
200F	4535	125	5"	-	508	206	433	24	113	89	-	-	56.3
200H	4535	125	5"	-	508	206	433	24	113	89	-	-	56.3
220B	-	160	-	85	562	224	472	27.5	-	-	154.5	127	83.6
220F	5040	125	5"	-	562	224	472	27.5	129.5	102	-	-	75.6
220H	5040	125	5"	-	562	224	472	27.5	129.5	102	-	-	75.6
250B	-	190	-	88	628	254	532	28.5	-	-	160.5	132	109
250F	5040	125	5"	-	628	254	532	28.5	155.5	127	-	-	106
250H	5040	125	5"	-	628	254	532	28.5	155.5	127	-	-	106

Notes - NB. All flexible tyres have an angular misalignment capacity up to 4°

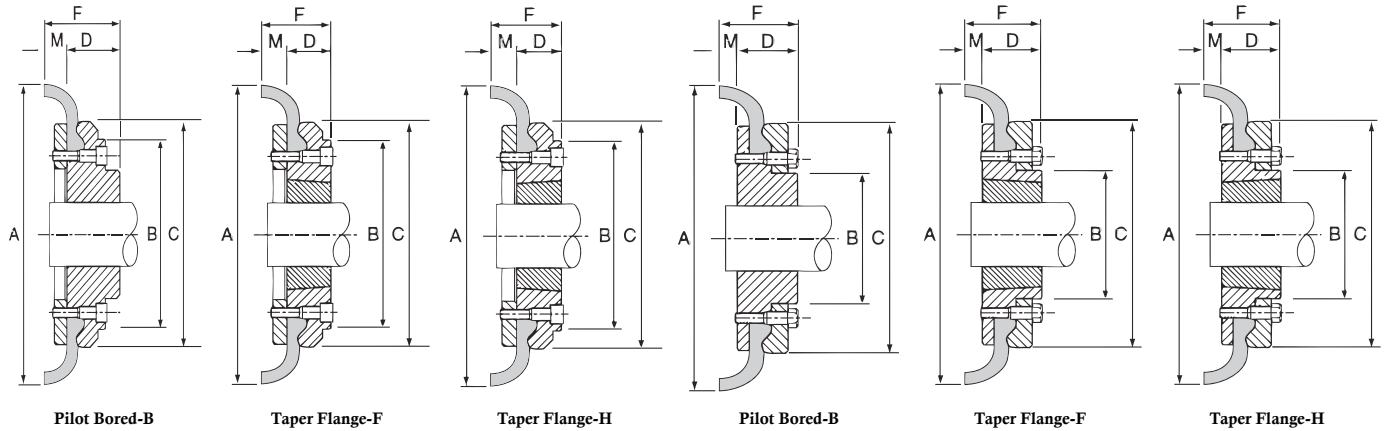
1. # = Is the weight for a half coupling.
2. * = M is half the distance between flange faces

Couplings

FFX Tyre Couplings

FFX Tyre Coupling Data

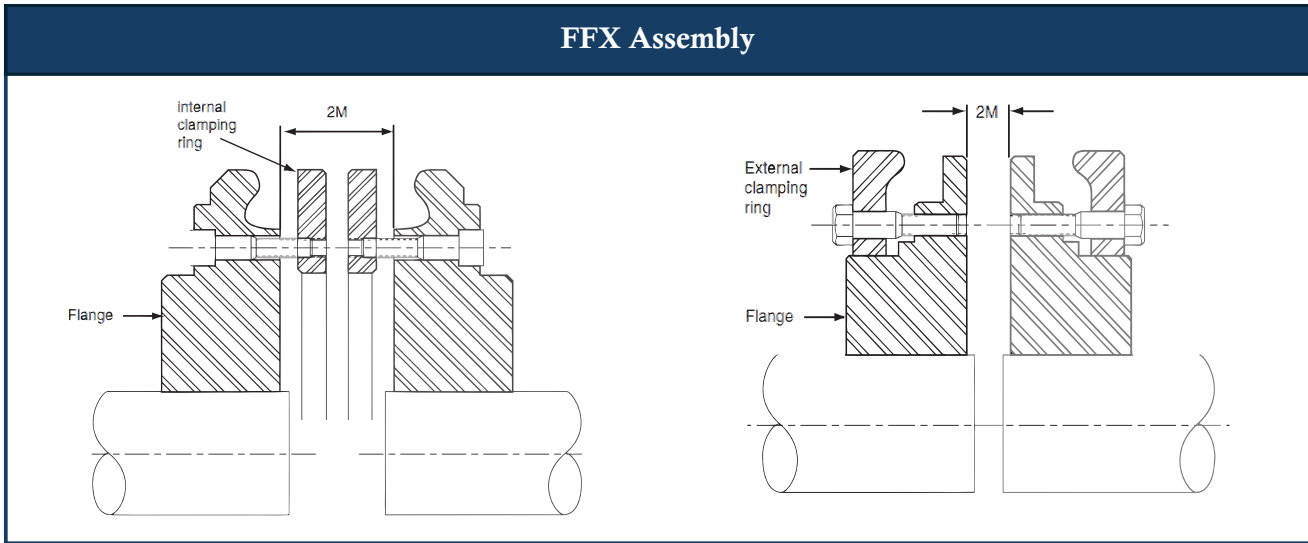
Sizes 040 to 060 | Sizes 070 to 250



FFX Coupling Installation and Operational Data

Coupling Size	Flange Face Spacing	Gap Between Tyre Ends	Nominal Torque Nm	Max Speed rev/min	Max Parallel Misalignment mm	Max End Float* mm	Clamping Screw Size	Torque Nm
40	22	2	24	4500	1.1	1.3	M6	15
50	25	2	66	4500	1.3	1.7	M6	15
60	33	2	127	4000	1.6	2	M6	15
70	23	3	250	3600	1.9	2.3	M8	24
80	25	3	375	3100	2.1	2.6	M8	24
90	27	3	500	3000	2.4	3	M10	40
100	27	3	675	2600	2.6	3.3	M10	40
110	25	3	875	2300	2.9	3.7	M10	40
120	29	3	1330	2050	3.2	4	M12	50
140	32	5	2325	1800	3.7	4.6	M12	55
160	30	5	3770	1600	4.2	5.3	M16	80
180	46	6	6270	1500	4.8	6	M16	105
200	48	6	9325	1300	5.3	6.6	M16	120
220	55	6	11600	1100	5.8	7.3	M20	165
250	59	6	14675	1000	6.6	8.2	M20	165

FFX Tyre Coupling Installation



FFX Tyre Coupling – Installation Instructions All dimensions are in millimetres unless otherwise stated.

1. Preparation: Make sure all coupling components, shafts and fixing hardware are clean and free from burrs or damage.
2. Mount flanges on shafts: Position the flanges on the shafts with the clamping rings loosely attached. Do not fully tighten the clamping ring screws at this stage.
3. Set axial distance "2M": Slide the flanges along the shafts until the specified distance "2M" between flanges is achieved (refer to the Apollo FFX data table). Ensure there is sufficient clearance between shaft ends to allow for any expected axial movement.
4. Check and correct alignment: Check both parallel and angular alignment of the shafts and adjust as necessary. The closer the alignment, the lower the tyre wear and the better the service life. Permissible misalignment values are given in the technical table for FFX tyre couplings.
5. Fit the tyre: Insert the tyre into the space between each flange and its clamping ring, making sure the tyre beads are properly seated in their grooves. When correctly positioned, the circumferential gap in the tyre should correspond to the value shown in the tyre gap table.
6. Tighten clamping ring screws: Tighten the clamping ring screws gradually and alternately around the circumference until the specified tightening torque is reached (see torque data in the FFX table). Re-check alignment after tightening and make any final adjustments if required.

FFX Coupling size	040	050	060	070	080	090	100	110	120	140	160	180	200	220	250
Parallel misalignment	1	1.3	1.6	1.9	2.1	2.4	2.6	2.9	3.2	3.7	4.2	4.8	5.3	5.8	6.6
Axial (end float) misalignment	1.3	1.7	2	2.3	2.6	3	3.3	3.7	4	4.6	5.3	6	6.6	7.3	8.2
Angular misalignment	4°	4°	4°	4°	4°	4°	4°	4°	4°	4°	4°	4°	4°	4°	4°
'2M' dimension	22	25	33	23	25	27	27	25	29	32	30	46	48	55	59
Clamping ring screw torque -Nm	15	15	15	24	24	40	40	40	50	55	80	105	120	165	165

FFX Coupling size	040 to 060	070 to 120	140 to 160	180 to 250
Gap between tyre ends	2	3	5	6



Fitting Instructions

1. Application: Select an Apollo tyre coupling to drive a reciprocating pump from a 30 kW, 980 rev/min electric motor. The pump absorbs 24 kW and operates 16 hours per day.
Motor shaft diameter: 60 mm
Pump shaft diameter: 55 mm
Taper-bush type flanges are required on both shafts.
2. Service factor From the Service Factor Table, the factor for an electric motor driving a reciprocating pump with this duty is 1.9.
3. Design power: Using the absorbed power of the pump: Design power = 24 kW × 1.9 = 45.6 kW
4. Coupling size selection: From the Power Rating Table, reading down to approximately 980 rev/min and interpolating between speeds, an FFX 090 coupling is rated at 50.45 kW, which exceeds the required 45.6 kW. Therefore, size FFX 090 is suitable.
5. Bore dimensions and taper bushes: From the Dimension Table, both the “F” and “H” flanges of an FFX 090 use a 2517 taper bush.
This bush size is available with bores to suit both the 60 mm motor shaft and the 55 mm pump shaft, so the selected coupling and bush combination meets the shaft requirements of the application.

Tyre Coupling – Selection Procedure

1. Service factor
Using the Service Factor Table, select the factor appropriate to the type of prime mover, driven machine and duty.
2. Design power
Multiply the absorbed power of the driven machine (kW) by the service factor from step 1 to obtain the design power. If the absorbed power is not known, use the rated power of the prime mover instead.
3. Coupling size selection
Refer to the Power Rating Table for Apollo tyre couplings. Down the left-hand column, locate the required running speed. Move horizontally along this speed row until you find a power value that is equal to or greater than the design power from step 2. Move vertically to the top of that column to identify the correct coupling size.
4. Bore and bush selection
From the Dimension Table, check that the chosen coupling size can accommodate the shaft diameters and selected taper bushes for the application.

Table 1, Service Factors

Special cases For applications where shock, vibration and torque fluctuations occur – consult Challenge	Type of prime mover					
	'Soft' Starts			'Heavy' Starts		
	Electric motors and other smooth running prime movers			Internal Combustion Engines		
	Number of hours per day running					
Type of driven machine	10 and under	over 10 - 16 incl	over 16	10 and under	over 10 - 16 incl	over 16
Uniform load Light duty agitators, belt conveyors for sand etc., fans upto 7.5 kW, centrifugal compressors and pumps	1.0	1.12	1.25	1.25	1.40	1.60
Moderate load Variable density agitators, belt conveyors (nonuniform loads), fans over 7.5 kW, other rotary compressors and pumps, generators, machine tools, printing machinery, laundry machinery, rotary screens, rotary woodworking machinery	1.5	1.75	2.00	2.00	2.25	2.50
Heavy load Reciprocating compressors and pumps, positive displacement blowers, heavy duty conveyors such as screw, bucket etc., hammer mills, pulverisers, presses, shears, punches, rubber machinery	2.50	2.75	3.00	3.00	3.50	4.00

Table 2, Power Ratings (kW)

Rotational speed in rev/min	70	90	110	130	150	180	230	280
100	0.33	0.84	1.68	3.3	6.28	9.95	20.9	33
150	0.5	1.26	2.52	4.95	9.42	14.9	31.4	49.5
200	0.66	1.68	3.36	6.6	12.6	19.9	41.8	66
300	0.99	2.52	5.04	9.9	18.8	29.9	62.7	99
400	1.32	3.36	6.72	13.2	25.1	39.8	83.6	132
500	1.65	4.2	8.4	16.5	31.4	49.8	105	165
600	1.98	5.04	10.1	19.8	37.7	59.7	125	198
700	2.31	5.88	11.8	23.1	44	69.7	146	231
720	2.37	6.05	12.1	23.8	45.2	71.6	150	238
800	2.64	6.72	13.4	26.4	50.3	79.6	167	264
900	2.97	7.56	15.1	29.7	56.5	89.6	188	297
960	3.17	8.06	16.1	31.7	60.3	95.5	201	317
1000	3.33	8.4	16.8	33	62.8	99.5	209	330
1200	3.96	10.1	20.2	39.6	75.4	119	251	396
1400	4.62	11.8	23.5	46.2	87.9	139	293	462
1440	4.75	12.1	24.2	47.5	90.4	143	301	475
1500	4.95	12.6	25.2	49.5	94.2	149	314	495
1800	5.94	15.1	30.2	59.4	113	179	376	594
2000	6.6	16.8	33.6	66	126	199	418	660
2500	8.25	21	42	82.5	157	249	523	-
2880	9.5	24.2	48.4	95	181	287	-	-
3000	9.9	25.2	50.4	99	188	299	-	-
3500	11.6	29.4	58.8	116	220	348	-	-
4000	13.2	33.6	67.2	132	251	-	-	-
4500	14.9	37.8	75.6	149	283	-	-	-
5000	16.5	42	84	-	-	-	-	-

All dimensions in millimeters unless otherwise stated.

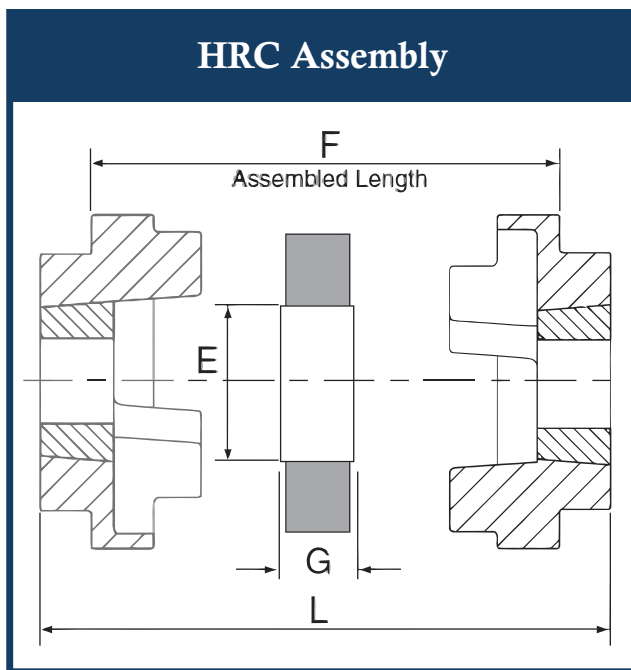
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

Couplings

HRC Couplings

Table 1, Service Factors

Coupling Size	Nominal Torque Nm	Overall Diameter A	Hub Diameter B	Assembled Length F	Element		Parallel Mis-alignment	Weight kg	Assembled Length (L)		
					Ring Dia E	Ring Width G			FF,FH,HH	FB,HB	BB
70	31	69	60	25.5	31	18.5	0.3	1	65.5	65.5	65.5
90	80	85	70	30.5	32	22.5	0.3	1.17	69.5	76.5	82.5
110	160	112	100	45.5	45	29.5	0.3	5	82.5	100.5	119.5
130	315	130	105	53.5	50	36.5	0.4	5.46	89.5	110.5	131.5
150	600	150	115	60.5	62	40.5	0.4	7.11	107.5	129.5	152.5
180	950	180	125	73.5	77	49.5	0.4	16.65	142.5	165.5	189.5
230	2000	225	155	85.5	99	59.5	0.5	26.05	164.5	202.5	239.5
280	3150	275	206	105.5	119	74.5	0.5	50.05	207.5	246.5	285.5

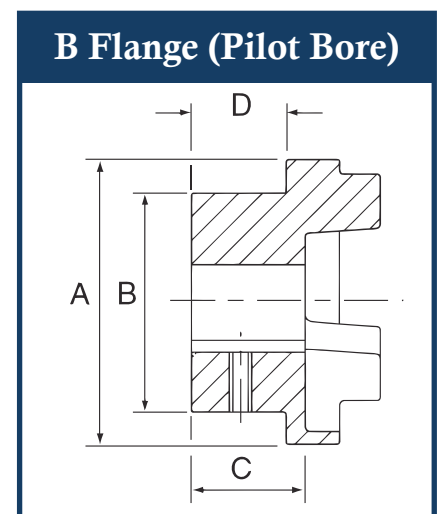
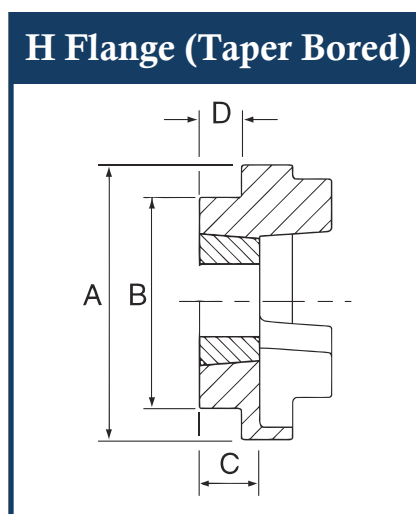
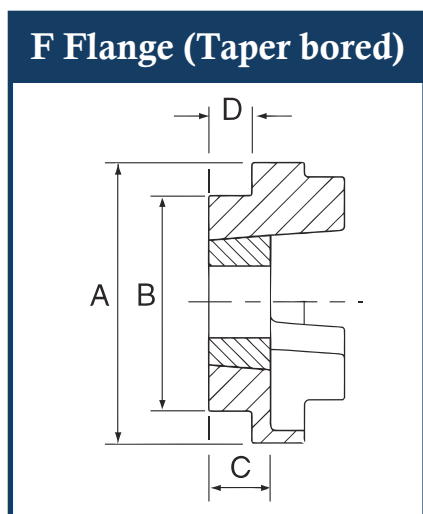


HRC Type F & H

Coupling No.	Bush Size	Max. Bore		Shoulder Width D	Hub Width C
		mm	inch		
70	1008	25	1"	20	23.5
90	1108	28	1.1/8"	19.5	23.5
110	1610	42	1.5/8"	18.5	26.5
130	1610	42	1.5/8"	18	26.5
150	2012	50	2"	23.5	33.5
180	2517	65	2.1/2"	34.5	46.5
230	3020	75	3"	39.5	52.5
280	3525	100	4"	51	66.5

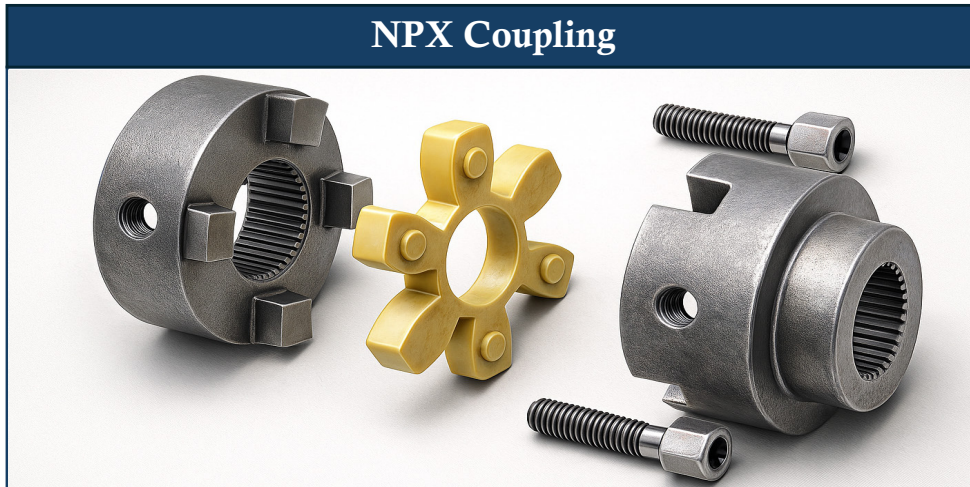
HRC Type B (Pilot Bore)

Coupling No.	Max Bore	Pilot Bore	Keyway Screw Size	Shoulder Width D	Hub Width C
70	32	8	M6	20	23.5
90	42	10	M6	26	30.5
110	55	10	M10	37	45.5
130	60	15	M10	39	47.5
150	70	20	M10	46	56.5
180	80	25	M10	58	70.5
230	100	25	M12	77	90.5
280	115	30	M16	90	105.5



All dimensions in millimeters unless otherwise stated.

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NPX Coupling – Selection Procedure

A. Selection Based on Power and Speed

Service factor: From the Service Factor Table, select the factor appropriate for the combination of prime mover, driven machine and duty.

Design power: Multiply the absorbed power of the driven machine (kW) by the service factor from step 1 to obtain the design power. If the absorbed power is not known, use the rated power of the prime mover.

NPX coupling size selection: Refer to the Power Rating Table for NPX couplings. In the left-hand column, locate the required running speed (interpolate if the exact speed is not listed). Move horizontally along this speed row until you find a power value equal to or greater than the design power calculated in step 2. Move vertically to the top of that column to determine the appropriate NPX coupling size.

Bore and bush dimensions

Using the Dimension Tables for NPX couplings, verify that the selected coupling size can accommodate the shaft diameters and taper bushes required for the application.

B. Selection Based on IEC Electric Motors

Note the motor frame size, power and speed (or number of poles).

In the IEC Motor Selection Table, move across to the column headed by the motor speed (or corresponding number of poles).

The column next to the motor power indicates the recommended NPX coupling size.

Entries in regular type correspond to pilot bore flanges.

Entries in italic type correspond to taper bore flanges

Table 1, Service Factors

Special cases For applications where shock, vibration and torque fluctuations occur – consult Challenge	Type of prime mover		
Type of driven machine	Electric motors and other smooth running devices	Internal combustion engines with 4 or more cylinders	Internal combustion engines with less than 4 cylinders
Uniform load Light duty agitators, belt conveyors for sand etc., fans upto 7.5 kW, centrifugal compressors and pumps, generators	1.00	1.25	1.50
Moderate load Variable density agitators, belt conveyors (nonuniform loads), fans over 7.5 kW, other rotary compressors and pumps, generators, machine tools, printing machinery, laundry machinery, rotary screens, rotary woodworking machinery	1.25	1.50	2.00
Heavy load Reciprocating compressors and pumps, positive displacement blowers, heavy duty conveyors such as screw, bucket etc., hammer mills, pulverisers, presses, shears, punches, rubber machinery, crushers, metal mills	1.75	2.00	2.50

Table 2, Power Ratings (kW)

Rotational speed in rev/min	58	68	80	95	110	125	140	160	180	200	225	250
100	0.20	0.36	0.63	1.05	1.68	2.51	3.77	5.86	9.22	14.0	20.9	29.3
150	0.30	0.54	0.95	1.58	2.52	3.77	5.66	8.79	13.8	21.0	31.4	44.0
200	0.40	0.72	1.26	2.10	3.36	5.02	7.54	11.7	18.4	28.0	41.8	58.6
300	0.60	1.08	1.89	3.15	5.04	7.53	11.3	17.6	27.7	42.0	62.7	87.9
400	0.80	1.44	2.52	4.20	6.72	10.0	15.1	23.4	36.9	56.0	83.6	117
500	1.00	1.80	3.15	5.25	8.40	12.6	18.9	29.3	46.1	70.2	105	147
600	1.20	2.16	3.78	6.30	10.1	15.1	22.6	35.2	55.3	84.0	125	176
700	1.40	2.52	4.41	7.35	11.8	17.6	26.4	41.0	64.5	98.2	147	205
720	1.44	2.59	4.54	7.56	12.1	18.1	27.1	42.2	66.4	101	151	211
800	1.60	2.88	5.04	8.40	13.4	20.1	30.2	46.9	73.8	112	168	235
900	1.80	3.24	5.67	9.45	15.1	22.6	33.9	52.7	83.0	126	188	264
960	1.92	3.46	6.05	10.1	16.1	24.1	36.2	56.3	88.5	135	201	281
1000	2.00	3.60	6.30	10.5	16.8	25.1	37.7	58.6	92.2	140	209	293
1200	2.40	4.32	7.56	12.6	20.2	30.1	45.2	70.3	111	168	251	352
1400	2.80	5.04	8.82	14.7	23.5	35.1	52.8	82.0	129	196	293	410
1440	2.88	5.18	9.07	15.1	24.2	36.1	54.3	84.4	133	202	302	422
1500	3.00	5.40	9.45	15.8	25.2	37.7	56.6	87.9	138	210	314	440
1800	3.60	6.48	11.3	18.9	30.2	45.2	67.9	105	166	253	377	528
2000	4.00	7.20	12.6	21.0	33.6	50.2	75.4	117	184	281	419	586
2500	5.00	9.00	15.8	26.3	42.0	62.8	94.3	147	231	351	524	733
2880	5.76	10.4	18.1	30.2	48.4	72.3	109	169	266	404	603	-
3000	6.00	10.8	18.9	31.5	50.4	75.3	113	176	277	421	628	-
3500	7.00	12.6	22.1	36.8	58.8	87.9	132	205	323	-	-	-
4000	8.00	14.4	25.2	42.0	67.2	100	151	234	-	-	-	-
4500	9.00	16.2	28.4	47.3	75.6	113	170	-	-	-	-	-
5000	10.0	18.0	31.5	52.5	84.0	126	-	-	-	-	-	-

All dimensions in millimeters unless otherwise stated.

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IEC motor selection Table (50Hz)

Frame size, shaft diameter and length		Motor power (kW) 2-pole 3000 rev/min	NPX size *	Motor power (kW) 4-pole 1500 rev/min	NPX size *	Motor power (kW) 6-pole 1000 rev/min	NPX size *	Motor power (kW) 8-pole 750 rev/min	NPX size *
	2 pole	4, 6, 8 pole							
80	19×40	0.75	58/80	0.55	58/80	0.37	58/80	0.18	
		1.1	58/80	0.75	58/80	0.55	58/80	0.25	
90S	24×50	1.5	68/80	1.1	68/80	0.75	68/80	0.37	
90L		2.2	68/80	1.5	68/80	1.1	68/80	0.55	
100L	28×60	3.0	80/80	2.2	80/80	1.5	80/80	0.75	80/80
				3.0				1.1	80/80
112M		4.0	80/80	4.0	80/80	2.2	80/80	1.5	80/80
132S	38×80	5.5	95/110	5.5	95/110	3.0	95/110	2.2	95/110
		7.5	95/110		95/110				
132M				7.5		4.0	95/110	3.0	95/110
						5.5	95/110		
160M	42×110	11	95/110	11	95/110	7.5	95/110	4.0	95/110
		15	95/110					5.5	95/110
160L		18.5	95/110	15	110/110	11	110/110	7.5	110/110
180M	48×110	22	110/125	18.5	110/125				
180L				22	125/125	15	125/125	11	125/125
200L	55×110	30	125/160	30	125/160	18.5	125/160	15	125/160
		37	125/160			22	140/160		
225S	55×110 60×140		125/160	37	140/160			18.5	140/160
225M		45	125/160	45	140/160	30	140/160	22	140/160
250M	60×140 65×140	55	140/160	55	160/160	37	160/160	30	160/160
280S	75×140	75	160/160	75	200	45	200	37	250
280M		90	160/160	90	200	55	200	45	250
315S	80×170	110	160/160	110	250	75	250	55	250
315M	65×140	132	160/160	132		90	250	75	250
		160	160/160	160		110	250	90	250
315L		200		200		132	250	110	250
						160	250	132	250
315	85×170	250		250	250	200			

Note

The above selection procedure is based on the following parameters:

- Service factor of 1.25
- No more than 25 starts per hour

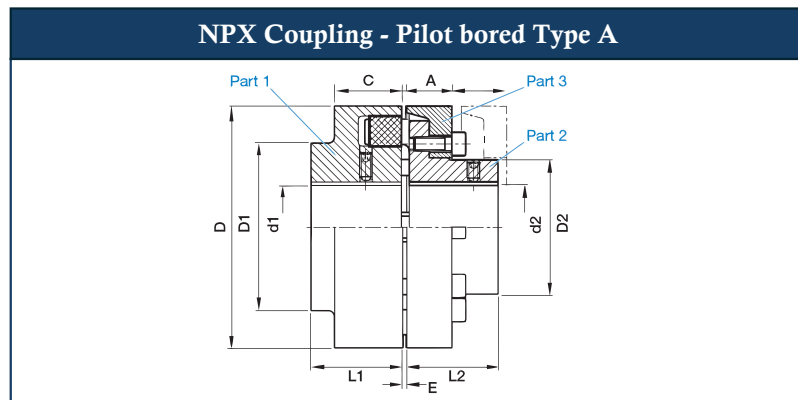
If the parameters differ from the above, the selection should be based on power and speed

* Pilot bore flanges are in bold normal type face

* Taper bore flanges are in light italic type face

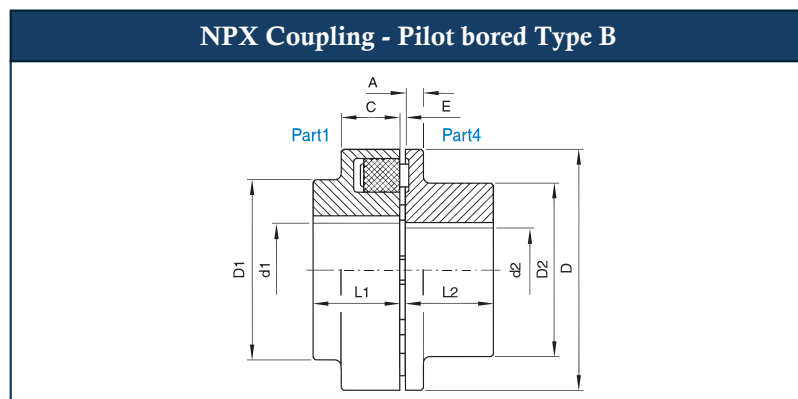
Couplings

NPX Couplings



Pilot bored Type A

Size	Power at 100 rev/min Kw	Torque		Max Speed rev/min	Minimum bore		Maximum bore		D parts 1 and 3	L1 part 1	L2 part 2	D1 part 1	D2 part 2	A part 3	C part 1	E	Weight of flange kg		
		Rated Nm	Max Nm		d1 part 1	d2 part 2	d1 part 1	d2 part 2									flange part 1	flange part 2	flange part 3
110	1.68	160	480	5000	17	12	48	38	111	40	40	86	62	20.0	34	2-4	1.95	1.38	1.97
125	2.51	240	720	5000	18	15	55	45	126	50	50	100	75	23.5	36	2-4	3.05	2.42	1.97
140	3.77	360	1080	4900	20	17	60	50	141	55	55	100	25	28.0	34	2-4	3.65	3.04	2.50
160	5.86	560	1680	4250	25	20	65	58	161	60	60	108	95	28.0	40	2-6	5.05	4.19	3.49
180	9.22	880	2640	3800	20	20	75	65	180	70	70	125	108	30.0	42	2-6	7.80	5.94	4.41
200	14.03	1340	4020	3400	30	25	85	75	200	80	80	140	122	32.5	47	2-6	11.0	8.61	6.02
225	20.94	2000	6000	3000	35	30	90	85	225	90	90	150	138	38.0	52	2-6	15.0	12.06	8.93
250	29.32	2800	8400	2750	45	45	100	95	250	100	100	165	155	42.0	60	3-8	19.5	17.41	11.70

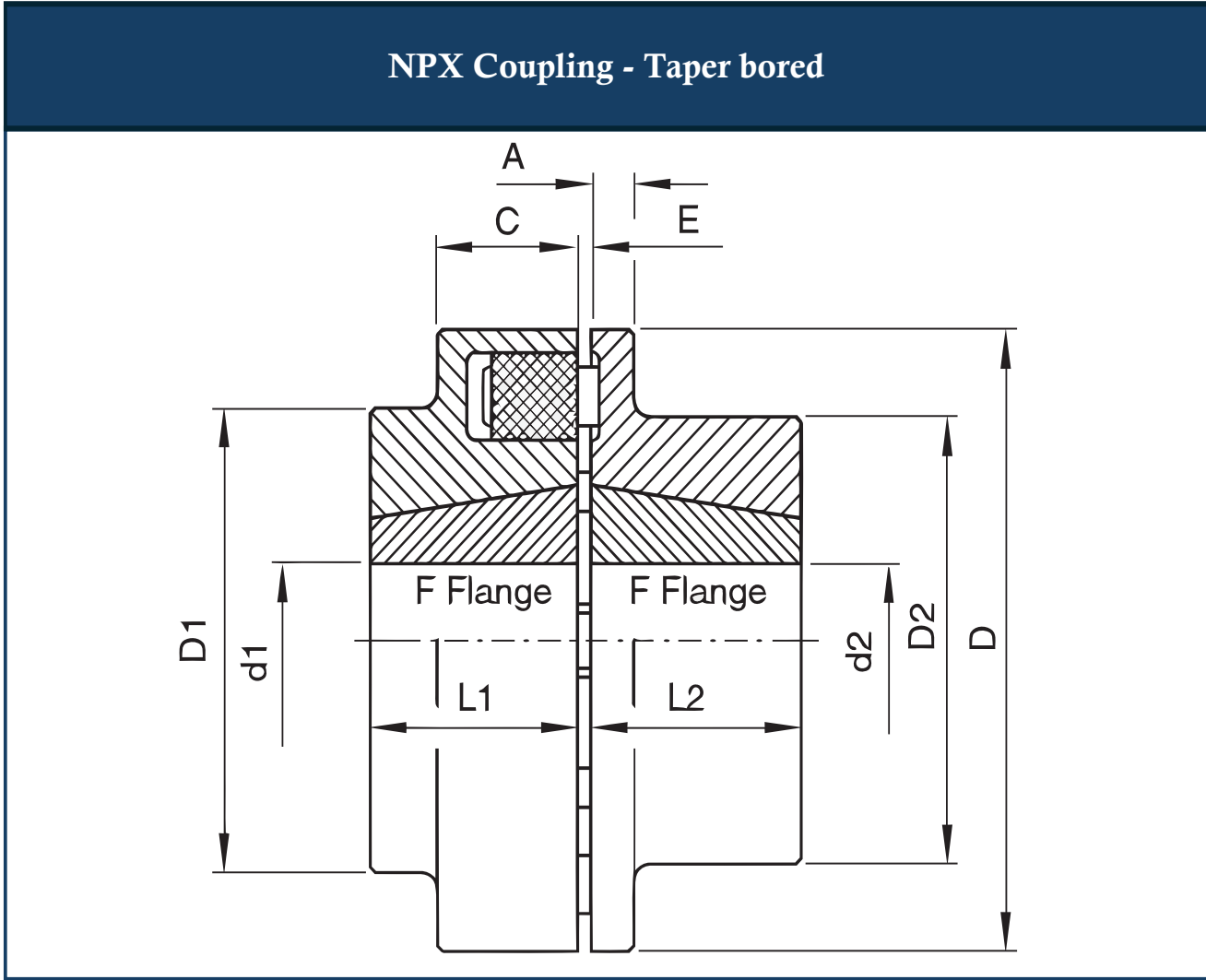


Pilot bored Type B

Size	Power at 100 rev/min Kw	Torque		Max Speed rev/min	Minimum bore		Maximum bore		D parts 1 and 4	L1 part 1	L2 part 4	D1 part 1	A part 4	C part 1	E	Weight of flange kg	
		Rated Nm	Max Nm		d1 part 1	d2 part 4	d1 part 1	d2 part 4								flange part 1	flange part 2
58	0.20	19	57	5000	-	-	19	19	59	20	20	-	8	20	2-4	0.24	0.28
68	0.36	34	102	5000	-	-	24	24	69	20	20	-	8	20	2-4	0.32	0.45
80	0.63	60	180	5000	12	12	30	30	81	30	30	-	10	30	2-4	0.75	0.94
95	1.05	100	300	5000	12	12	42	42	96	35	36	76	13	30	2-4	1.30	1.55
110	1.68	160	480	5000	17	17	48	48	111	40	40	86	14	34	2-4	1.95	2.25
125	2.51	240	720	5000	18	18	55	55	126	50	50	100	18	36	2-4	3.05	3.60
140	3.77	360	1080	4900	20	20	60	60	141	55	55	100	20	34	2-4	3.65	4.50
160	5.86	560	1680	4250	25	25	65	65	161	60	60	108	20	40	2-6	5.05	5.95
180	9.22	880	2640	3800	25	25	75	75	180	70	70	125	20	42	2-6	7.80	8.50
200	14.03	1340	4020	3400	30	30	85	85	200	80	80	140	24	47	2-6	11.0	12.4
225	20.94	2000	6000	3000	35	35	90	90	225	90	90	150	18	52	2-6	15.0	15.5
250	29.32	2800	8400	2750	45	45	100	100	250	100	100	165	18	60	3-8	19.5	19.5

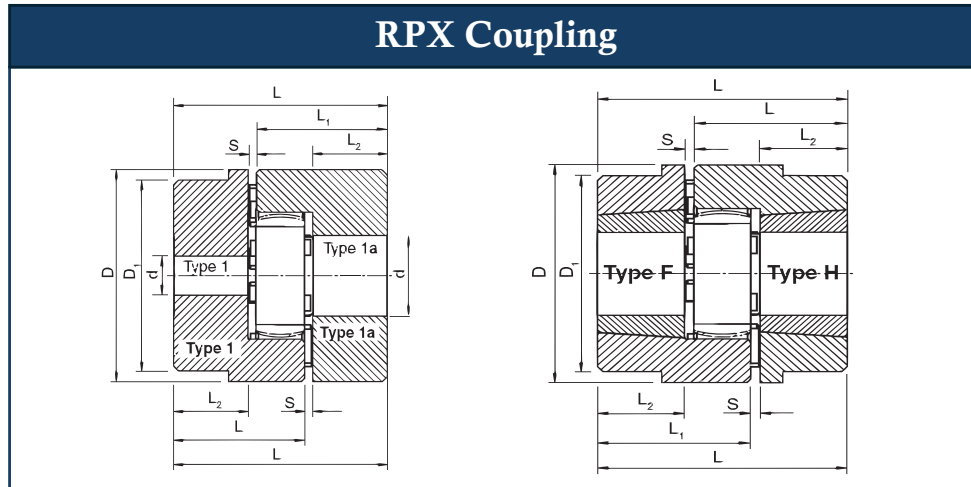
All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.



Taper bored

Size	Power at 100 rev/min Kw	Torque		Max Speed rev/min	Bush for F flange	Max bore d1/d2 parts 1 and 4	D parts 1 and 4	L1 part 1	L2 part 4	D1 part 1	D2 part 4	A part 4	C part 1	E	Weight of flange kg	
		Rated Nm	Max Nm												flange part 1	flange part 4
80	0.63	60	180	5000	1108	28	80	22.5	22.5	0	0	22.5	22.5	2-4	0.75	0.94
95	1.05	100	300	5000	1210	32	95	26.5	26.5	0	76	13.0	26.5	2-4	1.30	1.55
110	1.68	160	480	5000	1615	42	110	38.5	38.5	86	86	14.0	34.0	2-4	1.95	2.25
125	2.51	240	720	5000	2012	50	125	32.5	32.5	0	100	18.0	32.5	2-4	3.05	3.60
140	3.77	360	1080	4900	2012	50	140	32.5	32.5	0	100	20.0	32.5	2-4	3.65	4.50
160	5.86	560	1680	4250	2517	65	160	46.0	46.0	108	108	20.0	40.0	2-6	5.05	5.95
180	9.22	880	2640	3800	2517	65	180	46.0	46.0	125	125	20.0	42.0	2-6	7.80	8.50
200	14.03	1340	4020	3400	3020	75	200	52.0	52.0	140	140	24.0	47.0	2-6	11.0	12.4
225	20.94	2000	6000	3000	3020	75	225	52.0	52.0	150	150	18.0	52.0	2-6	15.0	15.5
250	29.32	2800	8400	2750	3535	90	250	90.0	90.0	165	165	18.0	60.0	3-8	19.5	19.5



RPX Coupling – Selection Procedure

A. Selection Based on Power and Speed

1) Service factor

Using the Service Factor Table, select the factor appropriate to the combination of prime mover, driven machine and duty (including daily operating hours and number of starts per hour).

2) Design power

Multiply the absorbed power of the driven machine (kW) by the service factor from step 1 to obtain the design power. If the absorbed power is not known, use the rated power of the prime mover.

3) RPX coupling size and spider selection

Refer to the Power Rating Table for RPX couplings and choose either:

the standard 92 Shore spider for general shock absorption, or

the higher torque 98 Shore spider where increased torque capacity is required.

Then:

In the left-hand column, locate the required running speed (interpolate if the exact speed is not listed).

Move horizontally along this speed row until you find a power rating equal to or greater than the design power from step 2.

Move vertically to the top of that column to determine the correct RPX coupling size.

4) Bore and bush dimensions

Using the Dimension Tables for RPX couplings, verify that the selected coupling size can accommodate the shaft diameters and the chosen taper bushes (or pilot bores) required for the application.

B. Selection Based on IEC Electric Motors

For applications driven by IEC electric motors, RPX coupling size can also be selected directly from the IEC Motor Selection Table:

Note the motor frame size, power and speed (or number of poles).

Move across to the column headed by the relevant motor speed (or pole number).

The column adjacent to the motor power indicates the recommended RPX coupling size.

(If required, the table can distinguish pilot-bore flanges and taper-bore flanges using different typefaces or symbols.)

Table 1, Service Factors

<p>Special cases For applications where shock, vibration and torque fluctuations occur – consult Challenge</p>	<p>Type of prime mover</p>		
<p>Type of driven machine</p>	<p>Electric motors and other smooth running devices</p>	<p>Internal combustion engines with 4 or more cylinders</p>	<p>Internal combustion engines with less than 4 cylinders</p>
<p>Uniform load Light duty agitators, belt conveyors for sand etc., fans upto 7.5 kW, centrifugal compressors and pumps,</p>	<p>1.0</p>	<p>1.25</p>	<p>1.50</p>
<p>Moderate load Variable density agitators, belt conveyors (nonuniform loads), fans over 7.5 kW, other rotary compressors and pumps, generators, machine tools, printing machinery, laundry machinery, rotary screens, rotary woodworking machinery</p>	<p>1.25</p>	<p>1.50</p>	<p>2.00</p>
<p>Heavy load Reciprocating compressors and pumps, positive displacement blowers, heavy duty conveyors such as screw, bucket etc., hammer mills, pulverisers, presses, shears, punches, rubber machinery, crushers, metal mills</p>	<p>1.75</p>	<p>2.00</p>	<p>2.50</p>

Note

The above Service Factors are based on 24 hours/day duty

Additional service factor multiplier for temperature : -30°C to +30° = 1.00, +40°C = 1.2, +60°C = 1.4, +80°C = 1.8

Additional frequent start multiplier : up to 100 starts/hour = 1.0 100-200 = 1.2 200-400= 1.4 400-800=1.6

Apollo elements are manufactured from polyurethane with an operating temperature span between -40°C to +100°C.

They can also accommodate transient temperatures up to +120°C

Table 2, Power Ratings (kW) for 92 shore elements (Yellow)

Rotational speed in rev/min	19	24	28	38	42	48	55	65	75	90
100	0.10	0.37	1.00	1.99	2.78	3.25	4.29	6.55	13.4	25.1
150	0.15	0.50	1.50	2.99	4.17	4.88	6.44	9.83	20.1	37.7
200	0.20	0.74	2.00	3.98	5.56	6.50	8.58	13.1	26.8	50.2
300	0.30	1.11	3.00	5.97	8.34	9.75	12.9	19.7	40.2	75.3
400	0.40	1.48	4.00	7.96	11.1	13.0	17.2	26.2	53.6	100
500	0.52	1.83	4.98	9.95	13.9	16.2	21.5	32.7	67.0	126
600	0.60	2.22	6.00	11.9	16.7	19.5	25.7	39.3	80.4	151
700	0.73	2.56	6.97	13.9	19.4	22.7	30.1	45.8	93.8	176
720	0.75	2.64	7.16	14.3	20.0	23.4	30.9	47.1	96.5	181
800	0.84	2.90	7.96	15.9	22.2	26.0	34.3	52.4	107	201
900	0.94	3.29	8.96	17.9	25.0	29.2	38.6	58.9	121	226
960	1.01	3.51	9.55	19.1	26.6	31.2	41.2	62.8	129	241
1000	1.05	3.66	9.95	19.9	27.8	32.5	42.9	65.5	134	251
1200	1.26	4.39	11.9	23.9	33.3	39.0	51.5	78.5	161	302
1400	1.47	5.12	13.9	27.9	38.9	45.4	60.1	91.6	188	352
1440	1.51	5.27	14.3	28.7	40.0	46.7	61.8	94.2	193	362
1500	1.57	5.49	14.9	29.9	41.6	48.7	64.4	98.2	201	377
1800	1.88	6.59	17.9	35.8	50.0	58.4	77.3	118	241	452
2000	2.09	7.32	19.9	39.8	55.5	64.9	85.9	131	268	503
2500	2.62	9.15	24.9	49.8	69.4	81.2	107	164	335	628
2880	3.02	10.5	28.7	57.3	79.9	93.5	124	188	386	724
3000	3.14	11.0	29.9	59.7	83.3	97.4	129	196	402	754
3500	3.66	12.8	34.8	69.7	97.1	114	150	229	469	880
4000	4.19	14.6	39.8	79.6	111	130	172	262	536	-
4500	4.71	16.5	44.8	89.6	125	146	193	295	603	-
5000	5.24	18.3	49.8	99.5	139	162	215	327	-	-

Table 2, Power Ratings (kW) for 98 shore elements (Red)

Rotational speed in rev/min	19	24	28	38	42	48	55	65	75	90
100	0.18	0.63	1.68	3.40	4.71	5.50	7.17	9.84	20.1	37.7
150	0.27	0.95	2.52	5.10	7.07	8.25	10.8	14.8	30.2	56.6
200	0.36	1.26	3.36	6.80	9.42	11.0	14.3	19.7	40.2	75.4
300	0.54	1.89	5.04	10.2	14.1	16.5	21.5	29.5	60.3	113
400	0.72	2.52	6.72	13.6	19.0	22.0	28.7	39.4	80.4	151
500	0.89	3.14	8.38	17.0	23.6	27.5	35.9	49.2	101	189
600	1.08	3.78	10.1	20.4	28.3	33.0	43.0	50.0	121	226
700	1.25	4.40	11.7	23.8	33.0	38.5	50.2	68.9	141	264
720	1.28	4.52	12.1	24.5	33.9	39.6	51.6	70.9	145	271
800	1.42	5.02	13.4	27.2	37.7	44.0	57.4	78.7	161	302
900	1.60	5.65	15.1	30.6	42.4	49.5	64.6	88.6	181	339
960	1.71	6.03	16.1	32.7	45.2	52.8	68.9	94.5	193	362
1000	1.78	6.28	16.8	34.0	47.1	55.0	71.7	98.4	201	377
1200	2.14	7.54	20.1	40.8	56.5	66.0	86.1	118	241	452
1400	2.49	8.79	23.5	47.6	66.0	77.0	100	138	281	528
1440	2.56	9.04	24.1	49.0	67.9	79.2	103	142	290	543
1500	2.67	9.42	25.1	51.0	70.7	82.5	100	148	200	287
1000	3.20	11.3	30.2	61.3	84.8	98.9	129	177	362	679
2000	3.56	12.6	33.5	68.1	94.2	110	143	197	402	754
2500	4.45	15.7	41.9	85.1	118	137	179	246	503	943
2880	5.13	18.1	48.2	98.0	136	158	207	283	579	1086
3000	5.34	18.8	50.3	102	141	165	215	295	603	1131
3500	6.23	22.0	58.6	119	165	192	251	345	704	1320
4000	7.12	25.1	67.0	136	188	220	200	394	804	-
4500	8.01	28.3	75.4	153	212	247	323	443	905	-
5000	8.90	31.4	83.8	170	236	275	359	492	-	-

Table 2, Power Ratings (kW) for 98 shore elements (Red)

Frame size, shaft diameter and length	Motor power (kW)		Motor power (kW)		Motor power (kW)		Motor power (kW)		RPX size *
	2 pole	4, 6, 8 pole	2-pole 3000 rev/min	4-pole 1500 rev/min	6-pole 1000 rev/min	8-pole 750 rev/min	RPX size *		
80	19×40	0.75	19/24	0.55	19/24	0.37	19/24	0.18	19/24
		1.1	19/24	0.75	19/24	0.55	19/24	0.25	19/24
90S	24×50	1.5	19/24	1.1	19/24	0.75	19/24	0.37	19/24
90L		2.2	19/24	1.5	19/24	1.1	19/24	0.55	19/24
100L	28×60	3.0	24/28	2.2	24/28	1.5	24/28	0.75	24/28
				3.0	24/28			1.1	24/28
112M		4.0	24/28	4.0	24/28	2.2	24/28	1.5	24/28
132S	38×80	5.5	28/42	5.5	28/42	3.0	28/42	2.2	28/42
		7.5	28/42						
132M				7.5	28/42	4.0	28/42	3.0	28/42
						5.5	28/42		
160M	42×110	11	38/42	11	38/42	7.5	38/42	4.0	38/42
		15	38/42					5.5	38/42
160L		18.5	38/42	15	38/42	11	38/42	7.5	38/42
180M	48×110	22	38/42	18.5	42/55				
180L				22	42/55	15	42/55	11	42/55
200L	55×110	30	42/65	30	42/65	18.5	42/65	15	42/65
				37	42/65			22	42/65
225S	55×110 60×140			37	48/65			18.5	48/65
				45	42/65	45	55/65	30	55/65
225M						30	55/65	22	55/65
				45	42/65	45	55/65	30	55/65
250M	60×140 65×140	55	48/65	55	55/65	37	65/65	30	65/65
280S	75×140	75	48/65	75	65/75	45	65/75	37	65/75
280M		90	48/65	90	75/75	55	75/75	45	75/75
315S	80×170	110	65/65	110	75/90	75	75/90	55	75/90
315M	65×140	132	65/65	132	75/90	90	75/90	75	90/90
				160	65/65	160	90/90	110	90/90
315L		200	75/75	200	90/90	132	90/90	110	90/90
						160	90/90	132	90/90
315	85×170	250	75/75	250	90/90	200	90/90		

Note

The above selection procedure is based on the following parameters:-

- Service factor of 2.0
- 30° C maximum temperature
- 92 Shore insert
- 100 starts per hour maximum

If the parameters differ from the above, selection should be based on power and speed

* Pilot bore flanges are in bold normal type face

* Taper bore flanges are in light italic type face

RPX Coupling Data - Pilot bored

TYPE		Max Speed rev/min	Rated Torque		D	D1	d-min	d-max	S	L1	L2	L	Material	Weight kg/hub
			92 shore Nm	98 shore Nm										
19	1	19000	10	17	40	32	6	19	1.0	39.0	25	65	Al	0.19
	1a				40	-	19	24	1.0	39.0	25	65	Al	-
24	1	14000	35	60	56	40	9	24	1.0	46.0	30	77	Al	0.38
	1a				56	-	22	28	1.0	46.0	30	77	Al	-
28	1	11800	95	160	65	-	10	28	1.5	52.5	35	89	Al	0.62
	1a				65	-	28	38	1.5	52.5	35	89	Al	-
38	1	9500	190	325	80	66	12	38	1.0	66.0	45	112	CI	1.36
	1a				80	-	38	45	1.0	66.0	45	112	CI	-
42	1	8000	265	450	95	75	14	42	1.0	73.0	50	124	CI	2.03
	1a				95	-	42	55	1.0	73.0	50	124	CI	-
48	1	7100	310	525	105	85	15	48	1.5	80.5	56	138	CI	2.85
	1a				105	-	48	60	1.5	80.5	56	138	CI	-
55	1	6300	410	685	120	98	20	55	2.0	91.0	65	158	CI	4.32
	1a				120	-	55	70	2.0	91.0	65	158	CI	-
65	1	5600	625	940	135	115	20	65	1.5	105.5	75	182	CI	6.66
75	1	4750	1280	1920	160	135	30	75	1.0	120.0	85	206	CI	10.48
90	1	3750	2400	3600	200	160	40	90	1.5	139.5	100	241	CI	17.89

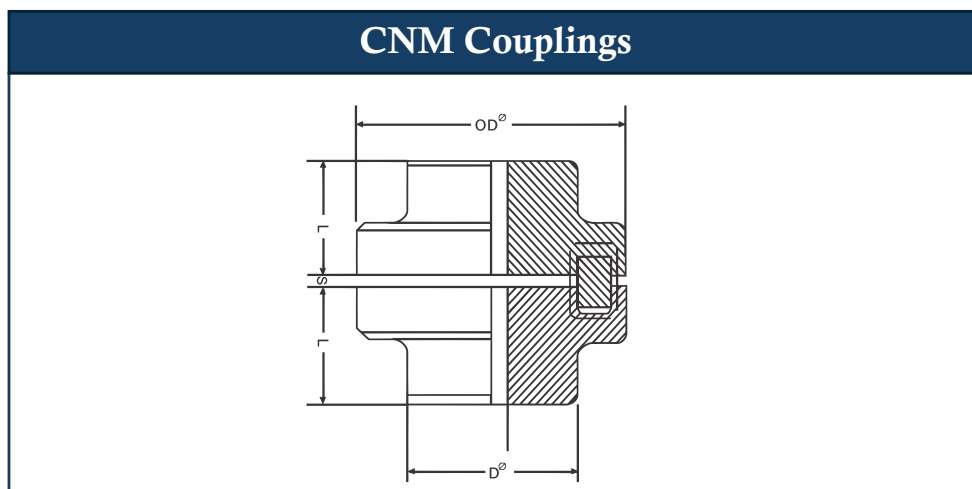
RPX Coupling Data - Taper bored

TYPE		Max Speed rev/min	Rated Torque		Bush Size	Max Bore	D	D1	S	L1	L2	L	Material	Weight kg/hub
			92 shore Nm	98 shore Nm										
24	F	14000	35	60	1008	25	56	-	1.0	39.0	23	63	CI	0.31
	H				1008	25	56	-	1.0	39.0	23	63	CI	0.31
28	F	11800	95	160	1108	28	65	-	1.5	40.5	23	65	CI	0.46
	H				1108	28	65	-	1.5	40.5	23	65	CI	0.46
38	F	9500	190	325	1108	28	80	78	1.0	44.0	23	68	CI	0.79
	H				1108	28	80	78	1.0	44.0	23	68	CI	0.79
42	F	8000	265	450	1610	42	95	94	1.0	49.0	26	76	CI	1.10
	H				1610	42	95	94	1.0	49.0	26	76	CI	1.10
48	F	7100	310	525	1615	42	105	104	1.5	63.5	39	104	CI	2.07
	H				1615	42	105	104	1.5	63.5	39	104	CI	2.07
55	F	6300	410	685	2012	50	120	118	2.0	59.0	33	94	CI	2.22
	H				2012	50	120	118	2.0	59.0	33	94	CI	2.22
65	F	5600	625	940	2012	50	135	133	1.5	53.5	33	98	CI	3.14
	H				2517	65	135	133	1.5	75.5	45	122	CI	4.03
75	F	4750	1280	1920	2517	65	160	135	1.0	81.0	46	128	CI	4.69
	H				3020	75	160	135	1.0	87.0	52	140	CI	4.99
90	F	3750	2400	3600	3020	75	200	160	1.5	91.5	52	145	CI	7.74
	H				3525	100	200	160	1.5	103.5	64	169	CI	8.74

Note

RPX Elements are manufactured from polyurethane and are available in Shore 92 (yellow) and Shore 98 (red) hardness

Material: Al = Aluminium CI = GG25 Cast Iron



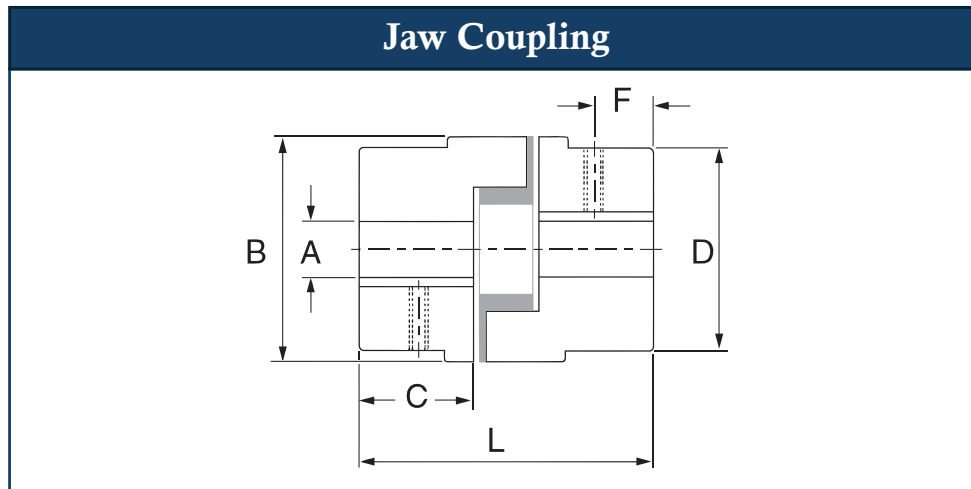
CNM Coupling – Features

The Apollo CNM coupling is a compact, flexible solution providing damping, impact protection and electrical isolation, with lower space requirements than tyre-type couplings.

- Compensates for radial and axial misalignment
- Synthetic rubber intermediate ring as the elastic element
- Reduces shock, vibration and noise between driver and driven equipment
- Protects against resonance and shock loads in the drive system
- Covers shaft diameters from 7 mm to 95 mm
- Torque capacity from 13 Nm up to 1600 Nm
- Suitable speeds from 3000 rpm up to 12 500 rpm (size dependent)
- Available with solid hub or finished bore options

CNM Coupling Data

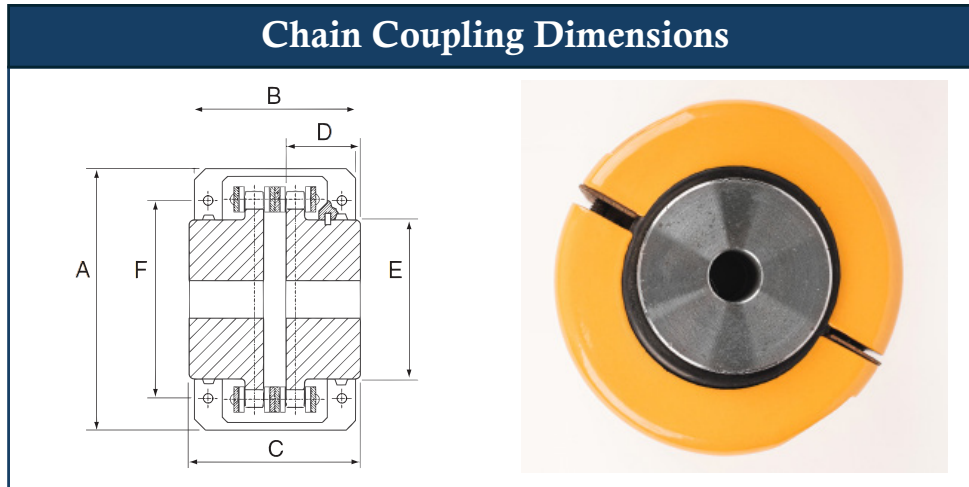
Model	Boss Diameter (D) mm	Outside Diameter (OD) mm	Length (L) mm	Join Spacing (S) mm	Torque		Bore Diameter		Max Speed rpm	Approx. Weight (Complete) kgs
					Normal Nm	Max Nm	Min mm	Max Nm		
CNM50	33	50	25	2.0±0.5	13	23	7	19	12500	0.48
CNM67	46	67	30	2.5±0.5	22	39	8	28	10000	1.02
CNM82	53	82	40	3.0±1.0	49	88	10	32	8000	1.88
CNM97	69	97	50	3.0±1.0	103	186	10	42	7000	3.54
CNM112	79	112	60	3.5±1.0	164	294	14	48	6000	5.40
CNM128	90	128	70	3.5±1.0	262	471	18	55	5000	8.10
CNM148	107	148	80	3.5±1.0	409	736	22	65	4500	13.50
CNM168	124	168	88	3.5±1.5	682	1226	28	75	4000	19.30
CNM 194	140	198	100	3.5±1.5	1098	1961	32	85	3500	26.30
CNM214	158	218	112	4.0±2.0	1638	2942	40	95	3000	35.70



Jaw Coupling Data

Coupling Size	Nominal Torque Nm	Maximum Speed rev/min	Pilot Bore A	Maximum Bore A	Overall Diameter B	Assembled Length L	Hub Width C	Hub Diameter D	Set Screw Position F	Set Screw Size	Complete Weight kg
035	0.50	31000	4.8	8	16.0	20	7	16.0	3.0	M3	0.06
050	3.51	18000	6	14	27.5	44	16	27.5	6.5	M6	0.10
070	5.77	14000	9	19	35.0	51	19	35.0	9.5	M6	0.25
075	11.9	11000	9	24	44.5	54	21	44.5	8.0	M6	0.45
090	19.2	9000	9	24	54.0	54	21	54.0	8.7	M6	0.55
095	25.8	9000	9	28	54.0	64	25	54.0	11.5	M8	0.65
100	55.4	7000	12	35	65.0	89	35	65.0	12.5	M8	1.60
110	105	5000	15	42	84.0	108	43	84.0	20.5	M10	3.00
150	150	4000	15	48	96.0	115	45	96.0	22.5	M10	4.90
190	200	3600	19	55	115.0	133	54	102.0	22.5	M12	7.00
225	280	3600	19	60	127.0	153	64	108.0	25.5	M12	9.00





Chain Coupling Data

Coupling Size	Chain Size	Bore		Casing O.D A	Casing Width B	Assembled Width C	Hub Length D	Hub Diameter E	Bolt Centres F	Torque Ratings Nm	Complete Weight kg
		Min	Max								
3012	35-2	12	15	70	62	65	28	25	57	150	0.5
4012	40-2	12	20	78	72	78	36	31	61	210	1.0
4014	40-2	12	25	85	75	80	36	43	72	300	1.4
4016	40-2	14	30	92	75	80	36	50	77	380	1.8
5014	50-2	14	35	101	84	100	45	53	82	550	2.5
5016	50-2	16	40	111	85	100	45	60	92	725	3.2
5018	50-2	16	45	123	85	100	45	70	106	925	4.0
6018	60-2	20	55	144	106	122	54	85	122	1750	7.2
6020	60-2	20	70	160	108	123	54	98	132	2050	9.5
6022	60-2	25	75	168	116	123	54	110	145	2400	11.3
8018	80-2	30	75	190	128	140	67	110	160	3800	14.7
8020	80-2	30	85	211	138	144	67	120	184	4700	18.2
8022	80-2	35	95	226	138	155	67	140	196	5500	23.3
10020	100-2	40	110	280	155	176	79	160	250	8700	36.0
12018	120-2	40	120	305	180	198	89	170	280	13250	49.0
12022	120-2	40	150	355	180	218	99	210	335	17800	77.0

Chain Coupling – Selection & Operation

Selection

For most applications, the torque rating of a chain coupling is higher than the normal torque transmitted by the largest shaft size it can accept.

In practice, select the smallest coupling size that can accommodate both shaft diameters.

For reversing drives, shock loads or other severe duty, it is recommended to select one size larger to provide an additional safety margin.

Operation & Lubrication

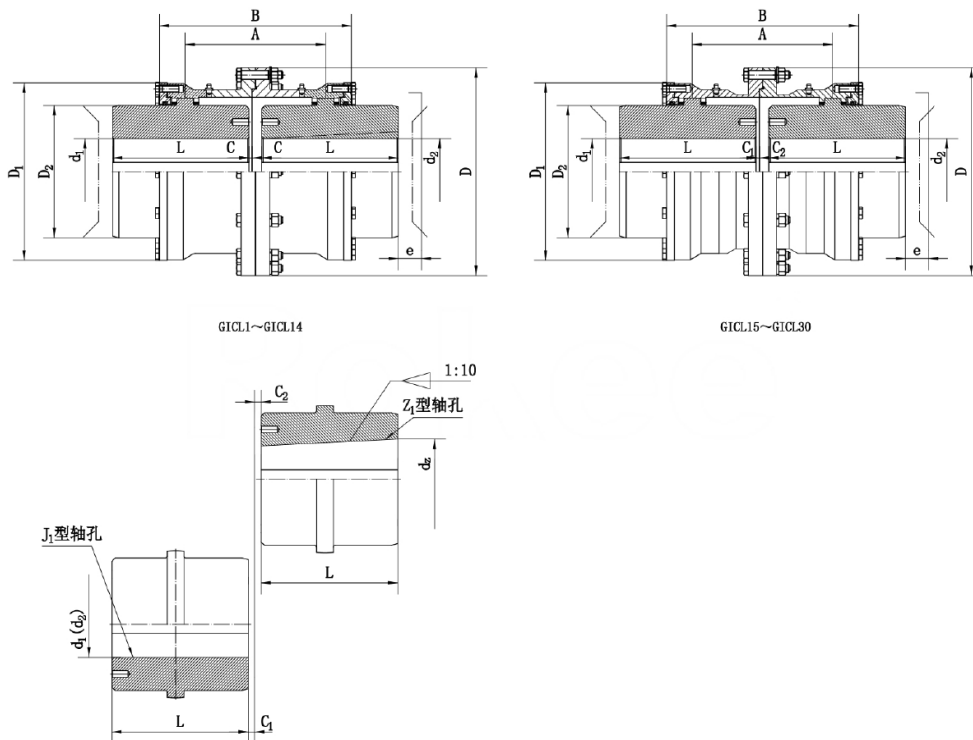
To achieve maximum service life, the protective cover and supplied O-rings must always be used, especially at high speeds or in damp environments.

The space inside the cover, around the chain, should be filled with a soft to medium grease, ensuring proper lubrication and reduced wear.

Couplings

Drum Gear Coupling

GICL Type Drum Gear Coupling



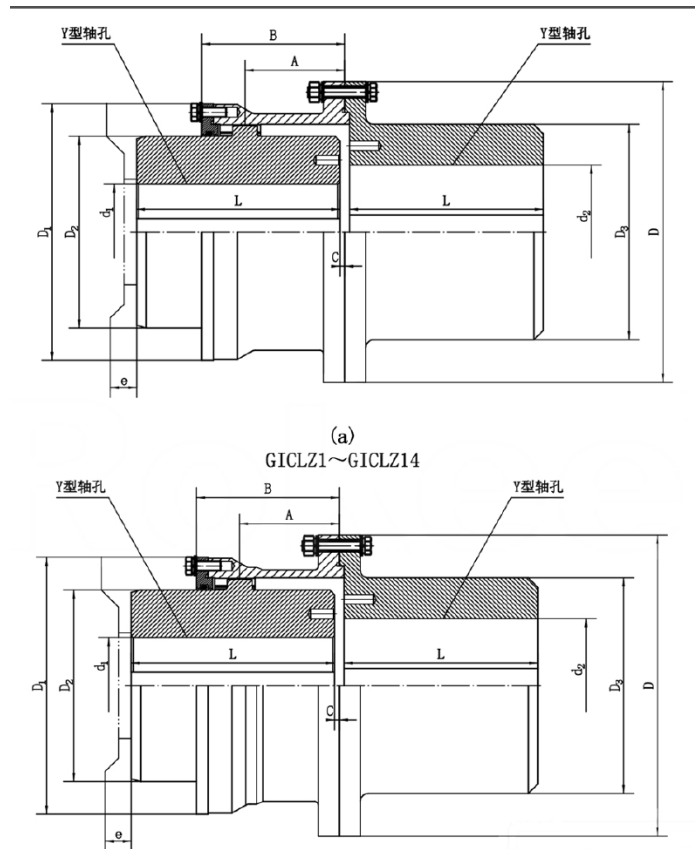
GICL Type Drum Gear Coupling Reference Table

Type	Nominal Torque Tn/ N·m	Permissible Speed [n]/ r·min	Bore Diameter		Bore Length		D	D1	D2	C	C1	C2	e	Moment of Inertia Kg.m ²	Mass Kg
			d1,d2,d3		Y	J1.Z1									
GICL1	630	4000	16,18,19		42	--	125	95	60	20	--	--	30	0.009	5.9
			20,22,24		52	38				10	--	24			
			25,28		62	44				2.5	--	19			
			30,32,35,38		82	60					15	22			
GICL2	1120	4000	25,28		62	44	144	120	75	10.5	--	29	30	0.02	9.7
			30,32,35,38		82	60				2.5	12.5	30			
			40,42,45,48		112	84					13.5	28			
GICL3	2240	4000	30,32,35,38		82	60	170	140	95	3		24.5	30	0.047	17.2
			40,42,45,48,50,55,56		112	60					17	28			
			60		142	107					35				
GICL4	3550	3600	30,32,35,38		82	60	195	165	115	14	37	32	30	0.091	24.9
			40,42,45,48,50,55,56		112	60				3	17	28			
			60,63,65,70		142	107					35				
GICL 5	5000	3300	40,42,45,48,50,55,56		112	84	225	183	130	3	25	28	30	0.167	38
			60,63,65,70,71,75		142	107					20	35			
			80		172	132					22	43			
GICL 6	7100	3000	48,50,55,56		112	84	240	200	145	6	35	35	30	0.267	48.2
			60,63,65,70,71,75		142	107				4	20				
			80,85,90		172	132					22	43			

GICL Type Drum Gear Coupling Reference Table

Type	Nom- inal Torque	Permis- sible Speed	Bore Diameter	Bore Length		D	D1	D2	C	C1	C2	e	Mo- ment of Iner- tia	Mass
				Y	J1.Z1									
	Tn/ N·m	[n]/ r·min	d1,d2,d3											
GICL 7	10000	2680	60,63,65,70,71,75	142	107	260	230	160	4	25	35	30	0.453	68.9
			80,85,90,95	172	132					22	43			
			100	212	167					48				
GICL8	14000	2500	65,70,71,75	142	107	280	245	175	5	35	35	30	0.646	83.3
			80,85,90,95	172	132					22	43			
			100,110	212	167					48				
GICL9	18000	23500	70,71,75	142	107	315	270	200	10	45	45	30	1.036	110
			80,85,90,95	172	132				5	22	43			
			100,110,120,125	212	167				49					
GICL10	31500	21500	80,85,90,95	172	132	345	300	220	5	43	43	30	1.88	157
			100,110,120,125	212	167					22	49			
			130,140	252	202					29	54			
GICL11	40000	1880	100,110,120	212	167	380	330	260	6		49	40	3.28	217
			130,140,150	252	202					29	54			
			160	302	242					64				
GICL12	5600	1680	120	212	167	440	380	290	6	57	57	40	5.08	305
			130,140,150	252	202					29	55			
			160,170,180	302	240					68				
GICL13	80000	1530	140,150	252	202	480	420	320	7	54	57	40	10.06	419
			160,170,180	302	242					32	70			
			190,200	352	282					80				
GICL14	112000	1300	160,170,180	302	242	520	465	360	8	42	70	40	16.774	594
			190,200,220	352	282					32	80			
GICL15	16000	1180	190,200,220	352	282	580	510	400	10	34	80	40	26.55	783
			240,250	410	330					38	--			
GICL16	250000	1000	200,220	352	282	680	595	465	10	58		50	52.22	1134
			240,250,260	410	330					38	--			
			280	470	380									
GICL17	280000	980	220	352	282	720	645	495	10	74		50	69	1305
			240,250,260	410	330					39	--			
			280,300	470	380									
GICL18	355000	900	240,250,260	410	330	775	675	520	10	46	--	50	96.16	1626
			280,300,320	470	380					41				
GICL19	450000	830	260	410	330	815	715	560	10	67	--	50	115.1	1773
			280,300,320	470	380					41				
			340	550	450									

GICLZ Type Drum Gear Coupling



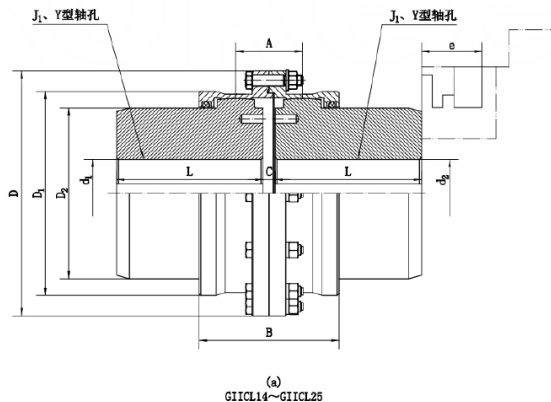
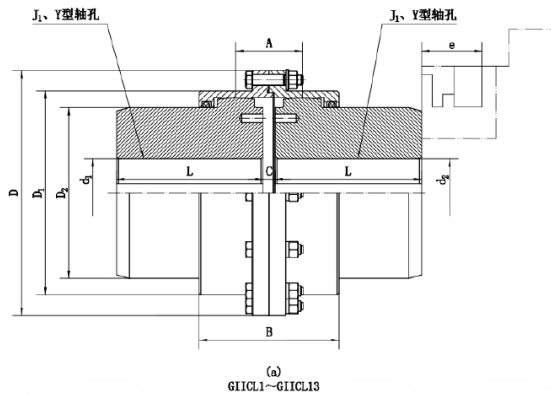
GICLZ Type Drum Gear Coupling with Intermediate Shaft Reference Table

Type	Nom-inal Torque	Permis-sible Speed[n]	Bore Diameter	Bore Length	D	D1	D2	D3	B	A	C	e	Moment of Iner-tia	Mass	
	Tn N·m	r/min	d1,d2,dz	Y,J1,Z1									kg·m ²	Kg	
GICLZ1	630	7100	16,18,19	42	125	95	60	80	57	37	20	30	0.008	5.4	
			20,22,24	52											10
			25-50	62-112											
GICLZ2	1120	6300	25,28	62	144	120	75	95	67	44	10.5	30	0.018	9.2	
			30-60	82-142											2.5
GICLZ3	2240	5900	30-70	82-142	174	140	95	115	77	53	3	30	0.043	16.4	
GICLZ4	3550	5400	32,35,38	82	196	165	115	130	89	62	14	30	0.076	22.7	
			40-80	112-142											3
GICLZ5	5000	5000	40-90	112-172	224	183	130	150	99	71	3	30	0.015	36.2	
GICLZ6	7100	4800	40,50,55,56	112	241	200	145	170	109	80	6	30	0.24	46.2	
			60-100	142-212											4
GICLZ7	10000	4500	60-120	142-212	260	230	160	195	122	90	4	30	0.43	68.4	
GICLZ8	14000	4000	65-130	142-252	282	245	175	210	132	96	5	30	0.61	81.1	
GICLZ9	18000	3500	70,71,75	142	314	270	200	225	142	104	10	30	0.94	100.1	
			80-140	172-252											5
GICLZ10	31500	3200	80-160	172-302	346	300	220	250	165	124	5	30	1.67	147.1	
GICLZ11	40000	3000	100-180	212-302	380	330	260	285	180	133	6	40	2.98	206.3	

GICLZ Type Drum Gear Coupling with Intermediate Shaft Reference Table

Type	Nom-inal Torque Tn N·m	Permis-sible Speed[n] r/min	Bore Diameter d1,d2,dz	Bore Length Y,J1,Z1	D	D1	D2	D3	B	A	C	e	Moment of Iner-tia	Mass
													kg·m ²	Kg
GICLZ12	56000	2600	120-200	212-352	442	380	290	325	208	156	6	40	5.31	284.5
GICLZ13	80000	2300	140-220	252-352	482	420	320	360	238	182	7	40	9.26	402
GICLZ14	112000	2100	160-250	302-410	520	465	360	420	266	207	8	40	15.92	582.2
GICLZ15	160000	1900	190-280	352-470	580	510	400	450	278	214	10	40	25.78	778.2
GICLZ16	250000	1600	200-320	352-470	680	595	465	500	320	250	10	50	16.89	1071
GICLZ17	280000	1500	220-320	352-470	720	645	495	530	336	256	10	50	60.59	1210
GICLZ18	355000	1400	240-340	410-550	775	675	520	540	351	262	10	50	81.75	1475
GICLZ19	450000	1300	260-360	310-550	815	715	560	580	372	280	10	50	101.57	1603
GICLZ20	500000	1200	300-380	470-550	855	755	585	600	393	297	13	50	140.03	2033
GICLZ21	630000	1100	300-400	470-650	915	795	620	640	404	305	13	50	183.49	2385
GICLZ22	710000	950	340-420	550-650	960	840	665	680	415	316	13	60	235.04	2452
GICLZ23	800000	900	360-450	550-650	1010	890	710	720	435	333	13	60	323.16	3332
GICLZ24	1000000	875	380-480	550-650	1050	925	730	760	445	342	15	60	387.97	3639
GICLZ25	1120000	850	400-500	650	1120	970	770	800	465	362	15	60	485.96	4073
GICLZ26	1250000	825	420-530	650-800	1160	990	800	850	475	366	15	60	573.64	4527
GICLZ27	1400000	800	450-560	650-800	1210	1060	850	900	479	369	15	70	789.74	5485
GICLZ28	1600000	770	480-600	650-800	1250	1080	890	960	517	402	20	70	960.26	6050
GICLZ29	2240000	725	500-630	650-800	1340	1200	960	1010	517	396	20	80	1268.98	7090
GICLZ30	2800000	700	530-670	800-950	1396	1240	1005	1070	525	403	20	80	1822.02	9264

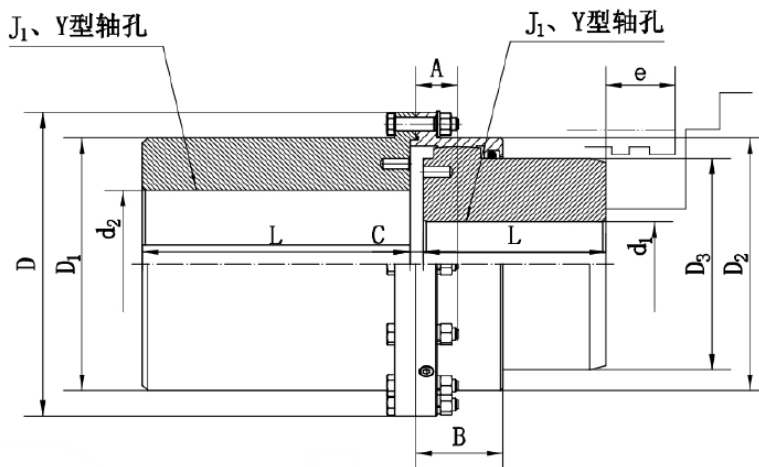
GIICL Type Drum Gear Coupling



GIICL Type Drum Gear Coupling Reference Table

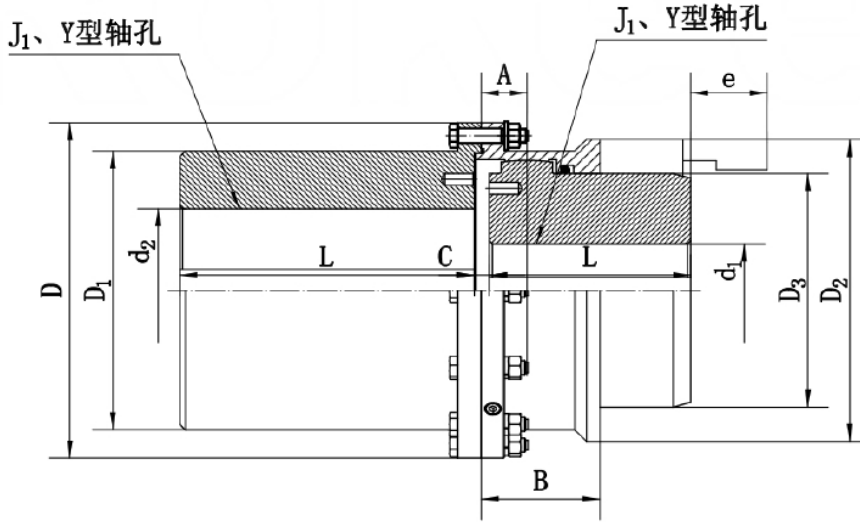
Type	Nominal Torque Tn	Permissible Speed [n]	Bore Diameter	Bore Length	D	D1	D2	H	A	B	C	e	Rotational Inertia	Mass
	N·m		r/min	d1,d2									Y,J1	Kg·m ²
GIICL1	355	4000	14-35	38-82	103	71	50	2	36	76	8	38	0.0035-0.00375	3.1
GIICL2	630	4000	16-45	38-112	115	83	60	2	42	88	8	42	0.00550-0.00675	3.5
GIICL3	1000	4000	22-56	38-112	127	95	75	2	44	90	8	42	0.010-0.0113	7
GIICL4	1600	4000	38-65	60-142	149	116	90	2	49	98	8	42	0.02-0.0245	12.2
GIICL5	2800	4000	40-75	84-142	167	134	105	2.5	55	108	10	42	0.0378-0.0433	18
GIICL6	4500	4000	45-90	84-172	187	153	125	2.5	56	110	10	42	0.0663-0.0843	26.5
GIICL7	6300	3750	50-105	84-212	204	170	140	3.5	60	118	10	42	0.103-0.151	39.2
GIICL8	9000	3300	55-115	84-212	230	186	155	3	67	142	12	47	0.167-0.241	49.7
GIICL9	14000	3000	60-135	107-252	256	212	180	3	69	146	12	47	0.316-0.470	79.6
GIICL10	20000	2650	65-150	107-252	287	239	200	3.5	78	164	14	47	0.511-0.745	101
GIICL11	31500	2350	70-175	107-302	325	276	235	3.5	81	170	14	47	1.096-1.588	161
GIICL12	45000	2100	75-200	107-352	362	313	270	4	89	190	16	49	1.623-3.055	213
GIICL13	63000	1850	150-225	202-352	412	350	300	4.5	98	208	18	49	3.925-4.918	315
GIICL14	100000	1650	170-250	242-410	462	420	335	5.5	172	296	22	63	8.025-9.725	476
GIICL15	160000	1500	190-285	282-470	512	470	380	5.5	182	316	22	63	14.300-17.45	696
GIICL16	224000	1300	220-320	282-470	580	522	430	7	209	354	28	67	23.925-29.1	913
GIICL17	315000	1200	250-365	330-550	644	582	490	7	198	364	28	67	43.095-53.725	1322
GIICL18	450000	1050	280-400	380-650	726	658	540	8	222	430	28	75	78.525-99.500	1948
GIICL19	630000	950	300-470	380-650	818	748	630	8	232	440	32	75	136.750-175.5	3026
GIICL20	900000	800	360-540	450-800	928	838	720	10.5	247	470	32	75	261.75-360.75	3984
GIICL21	1250000	750	400-600	540-800	1022	928	810	11.5	255	490	40	75	468.75-561.50	4977
GIICL22	1600000	650	450-680	540-800	1134	1036	915	13	262	510	40	75	753.750-904.750	7738
GIICL23	2240000	600	500-770	680-800	1282	1178	1035	14.5	299	580	50	80	1517-1725	10783
GIICL24	3150000	550	560-880	680-900	1428	1322	1175	16.5	317	610	50	80	2486-3131.75	15015
GIICL25	4000000	460	670-1040	900-1000	1644	1538	1390	19	325	620	50	80	5174.25-7198.25	24080

GIICLZ Type Drum Gear Coupling



(a)
GIICLZ1~13

GIICLZ Type Drum Gear Coupling



(a)
GIICLZ14~25

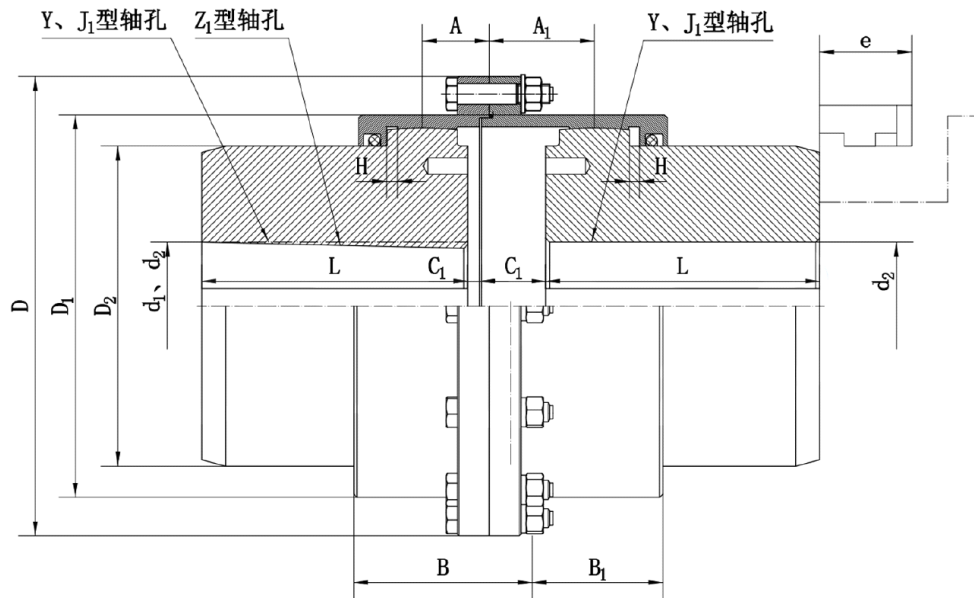
GIICLZ Type Drum Gear Coupling Reference Table

Type	Nominal Torque Tn N·m	Permissible Speed [n] r/min	Bore Diameter d1,d2	Bore Length Y,J1	D	D1	D2	D3	H	A	C	B	e	Rotational Inertia kg.m ²	Mass kg
GIICLZ1	355	4000	16-50	38-112	103	71	71	50	2	38	8	38	38	0.00375-0.007	3.5
GIICLZ2	630	4000	16-60	38-142	115	83	83	60	2	44	8	44	42	0.00625-0.01	5.7
GIICLZ3	1000	4000	22-71	38-142	127	95	95	75	2	45	8	45	42	0.009-0.01675	7.6
GIICLZ4	1600	4000	38-80	60-172	149	116	116	90	2	49	8	49	42	0.02125-0.04875	13.5
GIICLZ5	2800	4000	38-90	60-172	167	134	134	105	2.5	54	10	54	42	0.044-0.0625	23.1
GIICLZ6	4500	4000	45-105	84-212	187	153	153	125	2.5	55	10	55	42	0.075-0.1065	29.3
GIICLZ7	6300	3750	50-115	84-212	204	170	170	140	2.5	59	10	59	42	0.1335-0.1898	43.8
GIICLZ8	9000	3300	55-125	84-212	230	186	186	155	3	71	12	71	47	0.184-0.297	54.9
GIICLZ9	14000	3000	60-150	107-252	256	222	212	180	3	73	12	37	47	0.358-0.575	88
GIICLZ10	2000	2650	65-150	107-252	287	239	239	200	3.5	82	14	82	47	0.58-0.935	111.5
GIICLZ11	31500	2350	110-175	167-302	325	250	276	235	3.5	85	14	85	47	1.223-1.625	162.4
GIICLZ12	45000	2100	130-200	202-352	362	286	313	270	4	95	16	95	49	2.39-3.093	268
GIICLZ13	63000	1850	150-225	202-352	412	322	350	300	4.5	104	18	104	49	3.93-6.34	320
GIICLZ14	100000	1650	170-250	242-410	462	420	335	—	5.5	148	22	148	63	6.9-8.6	438
GIICLZ15	160000	1500	190-285	282-470	512	470	380	—	5.5	158	22	158	63	12.425-15.575	650
GIICLZ16	224000	1300	220-320	282-470	580	522	430	—	7	177	28	177	67	21.2-26.35	857
GIICLZ17	315000	1200	250-365	330-550	644	582	490	—	7	182	28	182	67	38.825-49.5	1255
GIICLZ18	450000	1050	280-400	380-650	726	658	540	—	8	215	28	215	75	69.5-90.5	1830
GIICLZ19	630000	950	300-475	380-650	818	748	630	—	9	220	32	220	75	122.5-161.25	2457
GIICLZ20	900000	800	360-540	450-800	928	838	720	—	10.5	235	32	235	75	240-335	3793
GIICLZ21	1250000	750	400-600	540-800	1022	928	810	—	11.5	245	40	245	75	435-527.75	5348
GIICLZ22	1600000	650	450-680	540-800	1134	1036	915	—	13	255	40	255	75	701.25-852.25	6871
GIICLZ23	2240000	600	500-770	680-800	1282	1178	1030	—	14.5	290	50	290	80	1415.75-1638.75	10383
GIICLZ24	3150000	550	560-880	680-800	1428	1322	1175	—	16.5	305	50	305	80	2330.5-2976.25	14465
GIICLZ25	4000000	460	670-1040	900-1000	1644	1538	1390	—	19	310	50	310	80	5174.25-7198.25	23489

All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

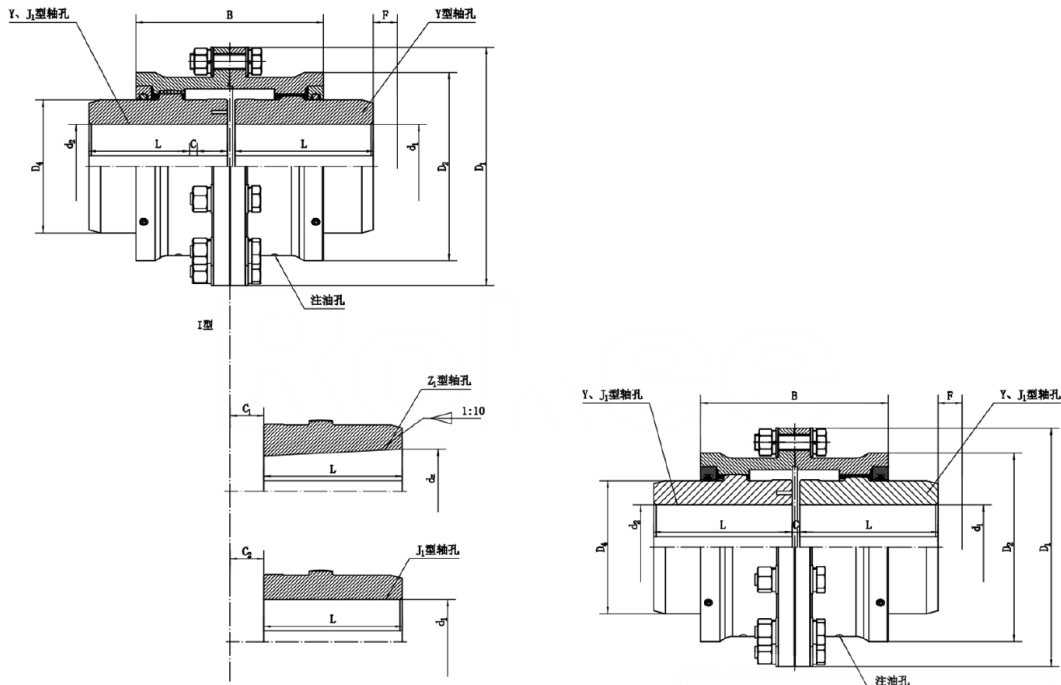
GCLD Type Drum Gear Coupling



GCLD Type Drum Gear Coupling Reference Table

Type	Nominal Torque	Bore Di-	Bore	D	D1	C	C1	H	A	A1	B	B1	e	Mass
		ameter	Length											kg
		d1,d2,dz	Y,J1,Z1											
GCLD1	1000	22-56	38-112	127	95	27	6	2	43	22	66	45	42	9.6
GCLD2	1600	38-65	60-142	149	116	26.5	6.5	2	44.5	24.5	70	49	42	16.4
GCLD3	2800	40-75	84-142	167	134	33	7	2.5	53.5	27.5	80	54	42	22.4
GCLD4	4500	45-90	84-172	187	153	33.5	7.5	2.5	54	28	81	55	42	35.6
GCLD5	6300	50-105	84-212	204	170	37.5	7.5	2.5	60	30	89	59	42	53.9
GCLD6	9000	55-115	84-212	230	186	43.5	8.5	3	68.5	33.5	106	71	47	67.5
GCLD7	14000	60-135	107-252	256	212	48	9	3	73.5	34.5	112	73	47	106.7
GCLD8	20000	65-150	107-252	287	239	40.5	8.5	3.5	69	39	112	82	47	123
GCLD9	31500	70-175	107-302	325	276	49.5	9.5	3.5	40.5	80.5	125	85	47	212
GCLD10	45000	75-200	107-352	362	313	65	11	4	98.5	44.5	149	95	49	319

WG Type Drum Gear Coupling



WG Type Drum Gear Coupling Reference Table

Type	Nominal Torque Tn N.m	Permissible Speed [n] r/min	Bore Diameter d1,d2,dZ	Bore Length L		D	D1	D2	D3	D4	B	B1	F	C		C1	C2	Mass m/kg		Rotational Inertia kg·m ²	
				Y	J1,Z1									I	II			I	II	I	II
WG1	710	7500	12,14	32	-	122	115	98	88	60	116	100	30	30	-	-	-	5.6	4.86	0.008	0.006
			16,18,19	42	-									20	14	-	-				
			20,22,24	52	-									10	4	-	-				
			25,28	62	44									3	3	19	18				
			30,32,35,38	82	60									3	3	23	12				
40,42	112	84	3	3	29	12															
WG2	1250	6700	22,24	52	-	150	145	118	108	77	136	104	30	20	4	-	-	9.78	7.48	0.021	0.016
			25,28	62	-									10	3	-	-				
			30,32,35,38	82	60									3	3	23	16				
40,42,45,48,50,55,56	112	84	3	3	29	16															
WG3	2500	6300	22,24	52	-	170	165	140	125	90	160	108	30	33	7	-	-	16.7	12.2	0.047	0.033
			25,28	62	-									23	3	-	-				
			30,32,35,38	82	60									3	3	23	16				
			40,42,45,48,50,55,56	112	84									3	3	29	16				
60,63	142	107	3	3	36	16															
WG4	4500	5600	30,32,35,38	82	-	200	195	160	145	112	180	116	30	13	3	-	-	25.6	19.6	0.098	0.073
			40,42,45,48,50,55,56	112	84									3	3	29	17				
			60,63,65,70,71,75	142	107									3	3	36	17				
			80	172	132									3	3	41	17				
WG5	7100	5300	30,32,35,38	82	-	225	215	180	168	128	200	126	30	23	3	-	-	35	26.1	0.175	0.126
			40,42,45,48,50,55,56	112	84									3	3	29	19				
			60,63,65,70,71,75	142	107									3	3	36	19				
			80,85,90	172	132									3	3	41	19				
WG6	10000	5000	32,35,38	82	-	245	230	200	185	145	224	134	30	35	5	-	-	51.6	38	0.295	0.213
			40,42,45,48,50,55,56	112	-									5	5	-	-				

All dimensions in millimeters unless otherwise stated.

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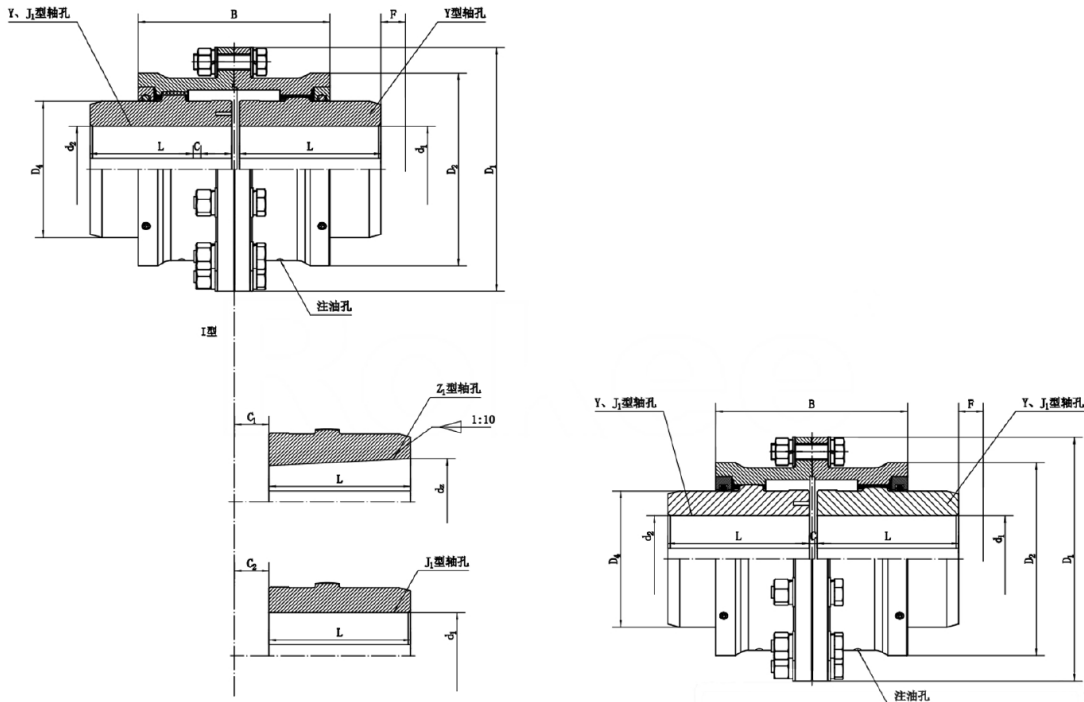
WG Type Drum Gear Coupling Reference Table

Type	Nominal Torque Tn N.m	Permissible Speed [n] r/min	Bore Diameter d1,d2,dZ	Bore Length L		D	D1	D2	D3	D4	B	B1	F	C		C1	C2	Mass m/kg		Rotational Inertia kg·m ²	
				Y	J1,Z1									I	II			I	II	I	II
WG6	10000	5000	60,63,65,70,71,75	142	107	245	230	200	185	145	224	134	30	5	5	38	20	51.6	38	0.295	0.213
			80,85,90,95	172	132									5	5	43	20				
			100	212	167									5	5	48	20				
WG7	14000	4500	32,35,38	82	-	272	265	230	210	160	244	148	30	45	5	-	-	68.6	45	0.53	0.35
			40,42,45,48,50,55,56	112	-									15	5	-	-				
			60,63,65,70,71,75	142	107									5	5	38	20				
			80,85,90,95	172	132									5	5	43	20				
WG8	20000	4250	100,110	212	167	290	272	245	225	176	272	162	30	5	5	48	20	79.5	55.8	0.71	0.46
			55,56	112	-									29	5	-	-				
			60,63,65,70,71,75	142	107									5	5	38	34				
			80,85,90,95	172	132									5	5	43	20				
WG9	25000	4000	100,110,120,125	212	167	315	305	265	245	190	280	176	30	5	5	38	38	106.5	80.5	1.05	0.77
			80,85,90,95	172	132									5	5	43	28				
			100,110,120,125	212	167									5	5	48	28				
			130,140	252	202									5	5	53	28				
WG10	40000	3550	75	142	-	355	340	300	280	225	330	196	30	28	5	-	-	158.8	121.8	1.87	1.54
			80,85,90,95	172	132									5	5	43	38				
			100,110,120,125	212	167									5	5	48	28				
			130,140,150	252	202									5	5	53	28				
WG11	56000	3000	160	302	242	412	385	345	325	256	360	224	40	5	5	63	28	214	167	3.66	2.77
			85,90,95	172	-									15	8	-	-				
			100,110,120,125	212	167									8	8	51	32				
			130,140,150	252	202									8	8	56	32				
WG12	80000	2800	160,170,180	302	242	440	435	375	360	288	414	250	40	8	8	66	32	302	242	6.39	4.75
			120,125	212	167									8	8	51	45				
			130,140,150	252	202									8	8	56	32				
			160,170,180	302	242									8	8	66	32				
WG13	112000	2500	190,200	352	282	490	480	425	400	320	470	272	50	8	8	76	32	390	309	10.44	7.76
			140,150	252	202									8	8	56	28				
			160,170,180	302	242									8	8	66	32				
			190,200,220	352	282									8	8	76	32				
WG14	160000	2300	240,250,260	410	330	545	540	462	440	362	530	316	50	10	10	68	32	522	423	17.46	13.52
			160,170,180	302	242									10	10	78	32				
			190,200,220	352	282									10	10	88	32				
			240,250,260	410	330									10	10	-	10				
WG15	224000	2100	160,170,180	302	242	580	-	488	-	400	560	-	50	10	-	68	43	677	-	24.91	-
			190,200,220	352	282									10	-	78	32				
			240,250,260	410	330									10	-	-	10				
			270	470	380									10	-	-	10				
WG16	280000	1900	180	302	242	650	-	560	-	440	600	-	50	12	-	70	63	939	-	43.22	-
			190,200,220	352	282									12	-	80	32				
			240,250,260	410	330									12	-	-	12				
			280,300	470	380									12	-	-	12				
WG17	355000	1800	200,220	352	282	690	-	600	-	460	650	-	50	12	-	70	48	1041	-	56.27	-
			240,250,260	410	330									12	-	-	12				
			280,300,320	470	380									12	-	-	12				
			220	352	282									12	-	70	73				
WG18	450000	1700	240,250,260	410	330	750	-	650	-	510	700	-	60	12	-	-	12	1381	-	88.17	-
			280,300,320	470	380									12	-	-	12				
			340,360	550	450									12	-	-	12				
			240,250,260	410	330									12	-	-	12				
WG19	560000	1600	280,300,320	470	380	775	-	690	-	535	745	-	60	12	-	-	12	1526	-	108.8	,-
			340,360,380	550	450									12	-	-	12				
			260	410	330									14	-	-	14				
			280,300,320	470	380									14	-	-	14				
WG20	710000	1500	340,360,380	550	450	825	-	730	-	580	785	-	60	14	-	-	14	2081	-	164.4	-
			400	650	540									14	-	-	14				
			260	410	330									14	-	-	14				

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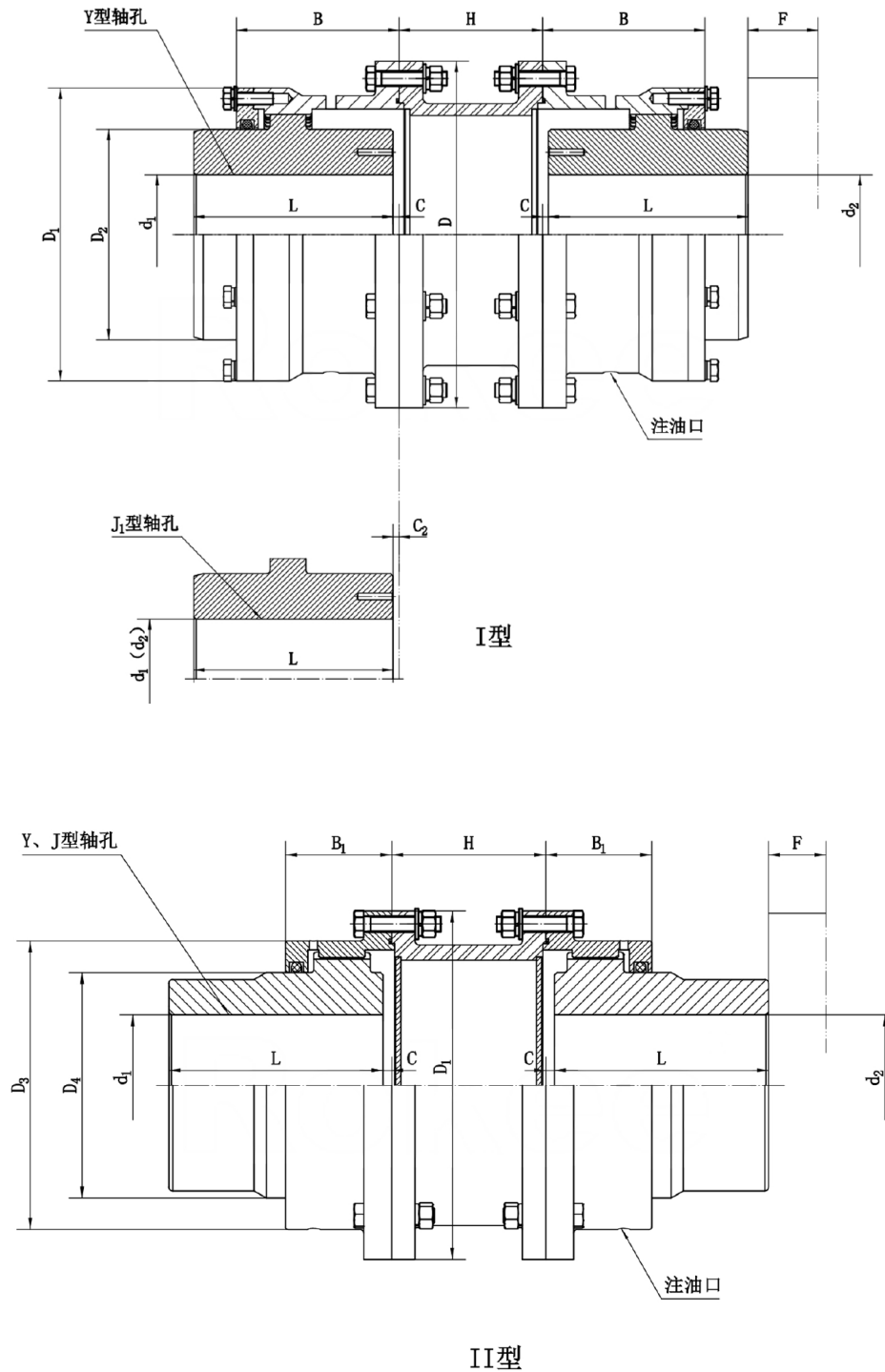
WG Type Drum Gear Coupling



WG Type Drum Gear Coupling Reference Table

Type	Nominal Torque Tn N.m	Permissible Speed [n] r/min	Bore Diameter d1,d2,dZ	Bore Length L		D	D1	D2	D3	D4	B	B1	F	C		C1	C2	Mass m/kg		Rotational Inertia kg·m ²	
				Y	J1,Z1									I	II			I	II	I	II
WG21	800000	1300	340,360,380	550	450	925	-	825	-	620	810	-	60	14	-	-	14	2460	-	242.7	-
			400	650	540									14	-	-	14				
			280,300,320	470	380									14	-	-	14				
			340,360,380	550	450									14	-	-	14				
WG22	900000	950	400,420,440	650	540	950	-	850	-	665	820	-	60	14	-	-	14	2775	-	297	-
			320	470	380									14	-	-	14				
			340,360,380	550	450									14	-	-	14				
WG23	1000000	900	400,420,440,450,460	650	540	1030	-	900	-	710	880	-	60	14	-	-	14	3148	-	384.8	-
			360,380	550	450									14	-	-	14				
WG24	1250000	850	400,420,440,450,460,480,500	650	540	1060	-	925	-	730	900	-	70	16	-	-	16	3766	-	477.8	-
			380	550	450									16	-	-	16				
			520	800	680									16	-	-	16				

WGT Type Drum Gear Coupling



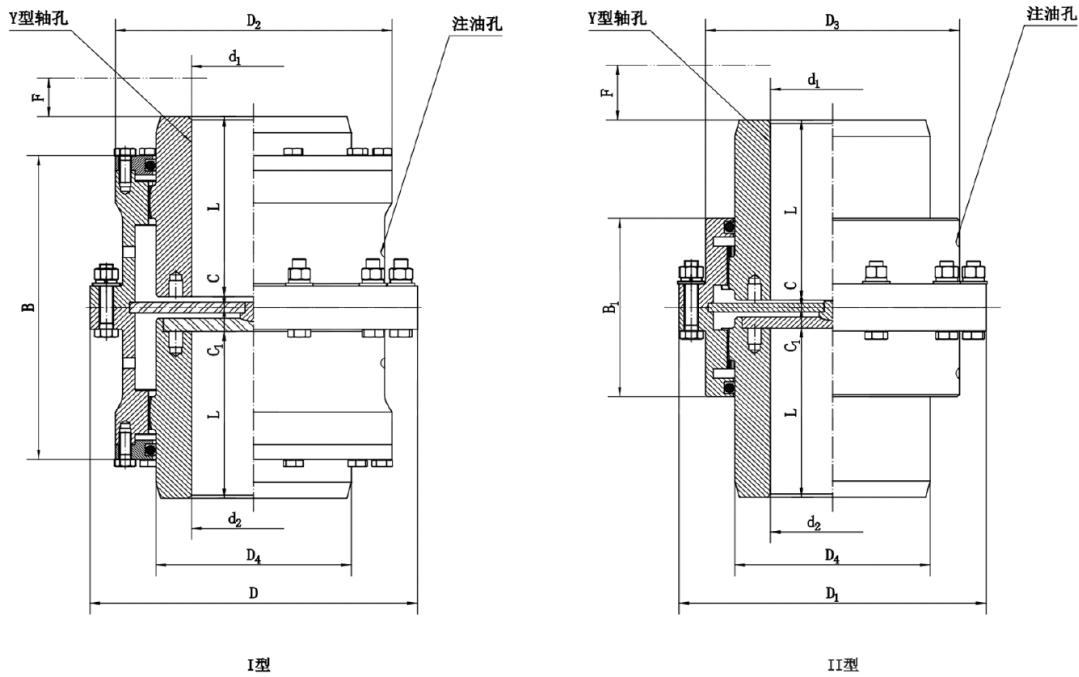
WGT Type Drum Gear Coupling with Intermediate Sleeve Reference Table

Type	Nominal Torque	Bore Diameter		Bore Length L		D	D1	D2	D3	D4	B	B1	F	H	C		C1	Mass		Rotational Inertia	
		d1,d2		Y	J1										I	II		I	II	I	II
	Tn/N.m					min															
WGT1	710	12,14		32	-	122	115	98	88	60	58	50	30	75	30	-	-	5.66	4.86	0.008	0.006
		16,18,19		42	-										20	14	-				
		20,22,24		52	-										10	4	-				
		25,28		62	44												18				
		30,32,35,38		82	60										3	3	12				
40,42		112	84			12															
WGT2	1250	22,24		52	-	150	145	118	108	77	68	52	30	80	20	4	-	9.78	7.48	0.002	0.002
		25,28		62	-										10		-				
		30,32,35,38		82	60										3	3	16				
		40,42,45,48,50,56		112	84																
WGT3	2500	22,24		52	-	170	165	140	125	90	80	54	30	80	33	7	-	16.7	12.2	0.047	0.033
		25,28		62	-										23		-				
		30,32,35,38		82	60										3	3	25				
		40,42,45,48,50,55,56		112	84												16				
60,63		142	107																		
WGT4	4500	30,33,35,38		82	-	200	195	160	145	112	90	58	30	100	13		-	25.6	19.6	0.098	0.073
		40,42,45,48,50,55,56		112	84										3	3	17				
		60,63,65,70,71,75		142	107																
		80		172	132																
WGT5	7100	30,32,35,38		82	-	225	215	180	168	128	100	63	30	100	23		-	35	26.1	0.175	0.126
		40,42,45,48,50,55,56		112	84										3	3	19				
		60,63,65,70,71,75		142	107																
		80,85,90		172	132																
WGT6	10000	32,35,38		82	-	245	230	200	185	145	112	67	30	100	35		-	51.6	38	0.295	0.213
		40,42,45,48,50,55,56		112	-												-				
		60,63,65,70,71,75		142	107										5	5	20				
		80,85,90,95		172	132																
100		212	167																		
WGT7	14000	32,35,38		82	-	272	265	230	210	160	122	74	30	120	45		-	68.6	45	0.53	0.35
		40,42,45,48,50,55,56		112	-										15		-				
		60,63,65,70,71,75		142	107										5	5	20				
		80,85,90,95		172	132																
100,110		212	167																		
WGT8	20000	55,56		112	-	290	272	245	225	176	136	81	30	120	29		-	79.5	55.8	0.71	0.46
		60,63,65,70,71,75		142	107										5	5	34				
		80,85,90,95		172	132												20				
		100,110,120,125		212	167																
65,70,71,75		142	107			38															
WGT9	25000	80,85,90,95		172	132	315	305	265	245	190	140	88	30	155	5	5	28	106.5	80.5	1.05	0.77
		100,110,120,125		212	167																
		130,140		252	202																
		75		142	-																
WGT10	40000	80,85,90,95		172	132	355	340	300	280	225	165	98	30	155	28		-	158.8	121.8	1.87	1.54
		100,110,120,125		212	167										5	5	28				
		130,140,150		252	202																
		160		302	242																
WGT11	56000	80,90,95		172	-	412	385	345	325	256	180	112	40	175	15		-	216.6	169.6	3.71	2.82
		100,110,120,125		212	167										8	8	32				
		130,140,150		252	202																
		160,170,180		302	242																
WGT12	80000	120,125		212	167	440	435	375	360	288	210	125	40	205	8	8	45	305.3	245.3	6.43	4.84
		130,140,150		252	202												32				
		160,170,180		302	242																
		190,200		352	282																
WGT13	112000	140,150		252	202	490	480	425	400	320	235	136	50	205	8	8	38	394.5	313.5	10.58	7.9
		160,170,180		302	242												32				
		190,200,220		352	282																

WGT Type Drum Gear Coupling with Intermediate Sleeve Reference Table

Type	Nom- inal Torque Tn/N.m	Bore Diameter		Bore Length L		D	D1	D2	D3	D4	B	B1	F	H	C		C1	Mass		Rotation- al Inertia		
		d1,d2		Y	J1									min	I	II		m/Kg		I/Kg.m ²		
		I	II															I	II	I	II	
WGT14	160000	190,200,220		352	282																	
		160,170,180		302	242																	
		190,200,220		352	282	545	540	462	440	362	265	158	50	240	10	10	32	529.5	430.5	17.72	13.78	
		240,250,260		410	330												10					
WGT15	224000	160,170,180		302	242																	
		190,200,220		352	282	580	-	488	-	400	280	-	50	240	10	-	32	684.5	-	25.25	-	
		240,250,260		410	330												10					
		280		470	380																	
WGT16	280000	180		302	242																	
		190,200,220		352	282	650	-	560	-	440	300	-	50	240	12	-	63	948.2	-	43.7	-	
		240,250,260		410	330												32					
		280,300		470	380												12					
WGT17	355000	200,220		352	282																	
		240,250,260		410	330	690	-	600	-	460	325	-	50	280	12	-	48	1059	-	57.37	-	
		280,300,320		470	380												12					
		220		352	282																	
WGT18	450000	240,250,260		410	330	750	-	650	-	510	350	-	60	280	12	-	73	1399	-	59.37	-	
		280,300,320		470	380												12					
		340,360		550	450																	
		240,250,260		410	330																	
WGT19	560000	280,300,320		470	380	775	-	690	-	535	372	-	60	350	12	-	12	1544	-	110.2	-	
		340,360,380		550	450																	
		260		410	330																	
		280,300,320		470	380	825	-	730	-	580	392.5	-	60	350	14	-	14	2099	-	166.1	-	
WGT20	710000	340,360,380		550	450																	
		400		650	540																	
		280,300,320		470	380	925	-	825	-	620	405	-	60	350	14	-	14	2482	-	242.7	-	
		340,360,380		550	450																	
WGT21	800000	400,420,440		650	540																	
		320		470	380																	
		340,360,380		550	450	950	-	850	-	665	410	-	60	400	14	-	14	2797	-	299.2	-	
		400,420,440,450,460		650	540																	
WGT22	900000	360,380		550	450																	
		400,420,440,450,460,480,500		650	540	1030	-	900	-	710	440	-	60	400	14	-	14	3183	-	388.8	-	
		380		550	450																	
		400,420,440,450,460,480,500		650	540	1060	-	925	-	730	450	-	70	400	16	-	16	3801	-	482	-	
WGT23	1000000	380		550	450																	
		400,420,440,450,460,480,500		650	540																	
WGT24	1250000	380		550	450																	
		400,420,440,450,460,480,500		650	540	1060	-	925	-	730	450	-	70	400	16	-	16	3801	-	482	-	
		520		800	680																	

WGC Type Drum Gear Coupling



WGC Type Vertically Mounted Drum Gear Coupling Reference Table

Type	Nominal TorqueTn/ N.m	Per- mis- sible Speed [n] / r.min-1	Bore Diameter		D	D1	D2	D3	D4	B	B1	F	C		C1	Mass		Rotational Inertia		
			d1,d2										Y	I		II	I	II	I	II
			kg	kg.m ²																
WGC1	710	7500	12,14	32	122	115	98	88	60	116	100	30	30	-	30	5.8	5.1	0.008	0.006	
			16,18,19	42									20	14	20					
			20,22,24	52									10	6						
			25,28	62									6	6	14					
			30,32,35,38	82																
WGC2	1250	6700	40,42	112	150	145	118	108	77	136	104	30	20		20	10	7.9	0.022	0.017	
			22,24	52									10							
			25,28	62									7	7	16					
			30,32,35,38	82																
WGC3	2500	6300	40,42,45,48,50	112	170	165	140	125	90	160	108	30	33		33	17	17.8	0.047	0.033	
			,55,56	142									23		23					
			22,24	52									7	7	20					
			25,28	62																
			30,32,35,38	82																
WGC4	4500	5600	40,42,45,48,50	112	200	195	160	145	112	180	116	30	13			26.2	20.5	0.099	0.074	
			,55,56	142									7	7	20					
			30,32,35,38	82																
			60,63,65,70,71,75	142																
			80	172																

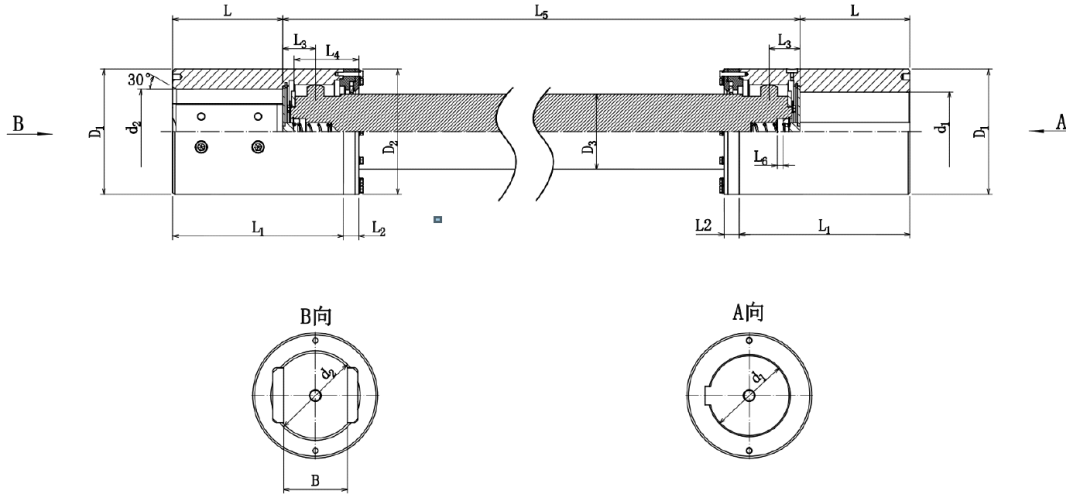
All dimensions in millimeters unless otherwise stated.

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WGC Type Vertically Mounted Drum Gear Coupling Reference Table

Type	Nominal Torque Tn/ N.m	Per- mis- sible Speed [n] / r.min-1	Bore Diame- ter	Bore Length	D	D1	D2	D3	D4	B	B1	F	C		C1	Mass		Rotational Inertia	
													I	II		kg		kg.m ²	
			d1,d2	Y												I	II	I	II
WGC5	7100	5300	30,32,35,38	82	225	215	180	168	128	200	126	30	8	8	28	36.1	27.7	0.177	0.13
			40,42,45,48,50	112															
			,55,56	142															
			60,63,65,70,71	172															
			,75	172															
80,85,90	82	245	230	200	185	145	224	134	30	10	10	28	53.2	39.8	0.3	0.22			
32,35,38	112																		
40,42,45,48,50	142																		
,55,56	172																		
60,63,65,70,71	212																		
,75	82	272	265	230	210	160	244	148	30	10	10	28	71.1	47.5	0.53	0.35			
32,35,38	112																		
40,42,45,48,50	142																		
,55,56	172																		
60,63,65,70,71	212																		
,75	112	290	272	245	225	176	272	162	30	10	10	30	83	59.6	0.72	0.47			
55,56	142																		
60,63,65,70,71	172																		
,75	212																		
80,85,90,95	142																		
100,110,120,125	172	315	305	265	245	190	280	176	30	10	10	30	110	85	1.06	0.8			
65,70,71,75	212																		
80,85,90,95	252																		
100,110,125	142																		
130,140	172																		
75	28	355	340	300	280	225	330	196	30	10	10	30	164	128	1.77	1.56			
80,85,90,95	142																		
100,110,120,125	172																		
130,140,150	252																		
160	320																		
85,90,95	15	412	385	345	325	256	360	224	30	14	14	36	224	178	3.76	2.88			
100,110,120,125	212																		
130,140,150	252																		
160,170,180	302																		
120,125	212																		
130,140,150	252	440	435	375	360	288	414	250	30	14	14	36	315	255	6.55	4.93			
160,170,180	302																		
190,200	352																		
140,150	252																		
160,170,180	302																		
190,200,220	352	490	480	425	400	320	470	272	30	14	14	36	406	325	10.6	8			
160,170,180	302																		
190,200,220	352																		
160,170,180	302																		
190,200,220	352																		
160,170,180	302	545	540	462	440	362	530	316	30	16	16	36	542	423	17.8	13.9			
190,200,220	352																		
240,250,260	410																		

WGJ Type Drum Gear Coupling



WGJ Type Drum Gear Coupling with Intermediate Shaft Reference Table

Type	Nominal Torque	Cylindrical Bore Dimensions		Flat Bore Dimensions			D1	D2	D3	L1	L2	L3	L4	L5 min	L6	Mass m/kg		Rotational Inertia I/kg.m ²	
	Tn/N·m	d1 , d2	L	d2 max	L max	B max										L5 min Mass	Linear Mass Density	L5 min Rotational Inertia	Linear Moment of Inertia
WGJ1	6.3	60,63	107	80	132	60	130	85	70	170	30	35	90	500	3	46	30.2	0.05	0.018
		65,70																	
		71,75																	
WGJ2	11.2	80	132	100	167	75	160	110	90	200	30	40	110	500	3	76	49.9	0.28	0.05
		70,71,75																	
		90,95																	
WGJ3	18	100	132	110	167	85	180	120	100	210	32	46	120	600	3	105	61.65	0.43	0.07
		80,85																	
		90,95																	
WGJ4	25	100,110	132	125	167	95	200	140	110	220	32	50	140	600	3	140	74.6	0.73	0.158
		80,85																	
		90,95																	
WGJ5	31.5	100,110,120,125	167	140	202	105	230	160	130	260	38	54	160	600	5	200	104	1.43	0.22
		90,95																	
		130,140																	
WGJ6	50	110,120	202	160	242	120	260	180	140	322	38	84	180	800	5	280	121	2.56	0.296
		130																	
		140,150																	
WGJ7	63	160	242	190	282	140	280	200	160	376	38	85	200	800	5	380	158	4.26	0.501
		140,150																	
		170,180																	
WGJ8	80	190	282	200	282	160	300	220	180	392	44	95	220	1000	5	480	200	6.02	0.81
		160,170,180																	
		190,200																	
WGJ9	100	170,180	282	220	282	170	330	230	200	392	44	95	230	1000	5	550	247	7.95	1.24
		190,200,220																	
		282																	
WGJ10	125	190,200,220	330	240	330	180	355	250	220	442	51	98	250	1000	5	720	298	12.7	1.8
		240																	

All dimensions in millimeters unless otherwise stated.

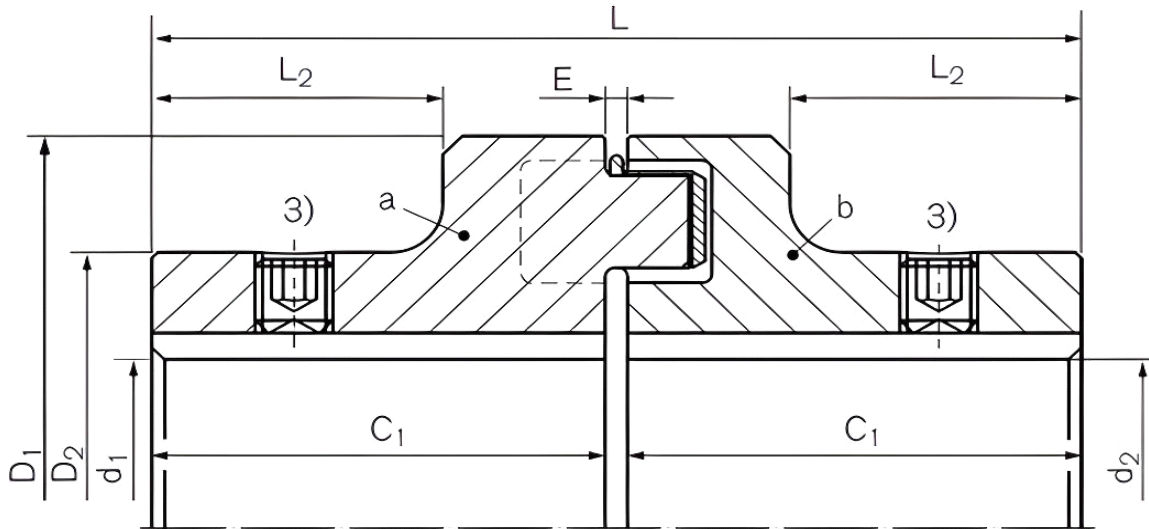
Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

WGJ Type Drum Gear Coupling with Intermediate Shaft Reference Table

Type	Nominal Torque	Cylindrical Bore Dimensions		Flat Bore Dimensions			D1	D2	D3	L1	L2	L3	L4	L5 min	L6	Mass m/kg		Rotational Inertia I/kg.m ²	
	Tn/N·m	d1 , d2	L J1	d2 max	L max	B max										L5 min Mass	Linear Mass Density	L5 min Rotational Inertia	Linear Moment of Inertia
WGJ11	200	190,200,220	282	260	330	200	410	290	240	457	51	106	280	1200	5	1110	355	25.95	2.56
		240,250,260	330							505									
WGJ12	315	240,250,260	330	300	380	220	460	320	260	518	57	112	300	1200	6	1480	417	43.43	3.52
		280,300	380							568									
WGJ13	450	280,300,320	380	340	450	250	510	360	300	596	57	136	340	1400	6	2020	555	71.76	6.24
		340	450							666									
WGJ14	560	300,320	380	360	450	280	560	400	320	628	64	145	380	1500	6	2600	631	114.4	8.1
		340,360	450							698									
WGJ15	710	340,360,380	450	400	540	300	610	430	350	716	64	160	400	1500	6	3300	755	178	11.6
		400	540							806									
WGJ16	900	360,380	550	420	650	320	660	460	380	842	64	172	440	1600	10	4300	890	272	16
		400,420	650							942									
WGJ17	1120	400,420,440,450,460	650	460	650	350	710	500	470	964	64	182	480	1800	10	5500	1090	392	24
WGJ18	1250	420,440,450,460,480,500	650	500	650	380	760	540	460	990	76	195	520	2000	10	6700	1310	553	35
WGJ19	1600	440,450,460,480,500	650	530	800	400	810	580	500	1005	76	215	540	2000	10	8350	1540	805	48
		530	800							1155									
WGJ20	2000	450,460,480,500	650	560	800	420	860	600	530	1031	76	225	560	2000	10	9500	1730	1024	61
		530,560	800							1181									
WGJ21	2240	480,500	650	600	800	450	910	650	560	1056	76	236	600	2500	10	11500	1930	1334	75.66
		530,560,600	800							1206									
WGJ22	2800	530,560,600,630	800	630	800	480	965	680	600	1230	82	246	640	2500	13	12600	2220	1621	99.9
		560,600,630	800							1350									
WGJ23	3150	670	900	670	900	500	1000	710	630	1250	82	265	680	2500	13	17900	2450	2579	122

NM Coupling TNM-E

Sectional view

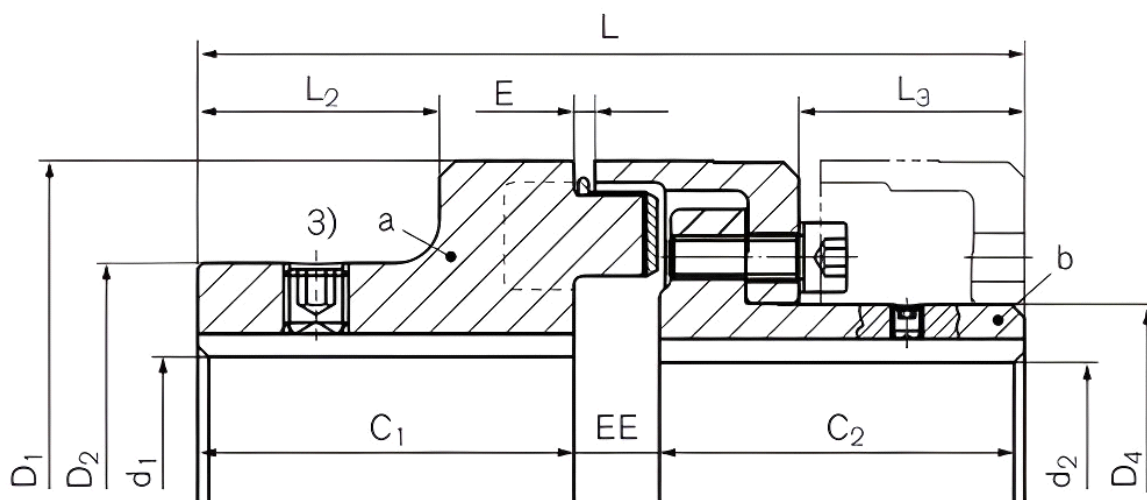


NM Coupling TNM-E Data

Identifier	Size	TKNPb722)	TKNPb822)	n _{max}	d1 _{kmax}	d2 _{kmax}	D1	D2	C1	L	L2	E
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm
WN0105	50	13	20	12500	19	19	50	33	25	52	13	2
WN0106	67	22	35	10000	28	28	67	46	30	62.5	15	2.5
WN0108	82	48	75	8000	32	32	82	53	40	83	24	3
WN0109	97	96	150	7000	42	42	97	69	50	103	30	3
WN0111	112	150	230	6000	48	48	112	79	60	123.5	38	3.5
WN0112	128	250	380	5000	55	55	128	90	70	143.5	45	3.5
WN0114	148	390	600	4500	65	65	148	107	80	163.5	52	3.5
WN0116	168	630	980	4000	75	75	168	124	90	183.5	56	3.5
WN0119	194	1050	1650	3500	85	85	194	140	100	203.5	62	3.5
WN0121	214	1500	2400	3000	95	95	214	157	110	224	68	4
WN0124	240	2400	3700	2750	110	110	240	179	120	244	75	4
WN0126	265	3700	5800	2500	120	120	265	198	140	285.5	90	5.5
WN0129	295	4900	7550	2250	130	130	295	214	150	308	98	8
WN0133	330	6400	9900	2000	150	150	330	248	160	328	104	8
WN0137	370	8900	14000	1750	170	170	370	278	180	368	118	8
WN0141	415	13200	20500	1500	190	190	415	315	200	408	135	8
WN0148	480	18000	28000	1400	210	210	480	315	220	448	150	8
WN0157	575	27000	41000	1200	230	230	575	350	240	488	170	8

NM Coupling TNM-G

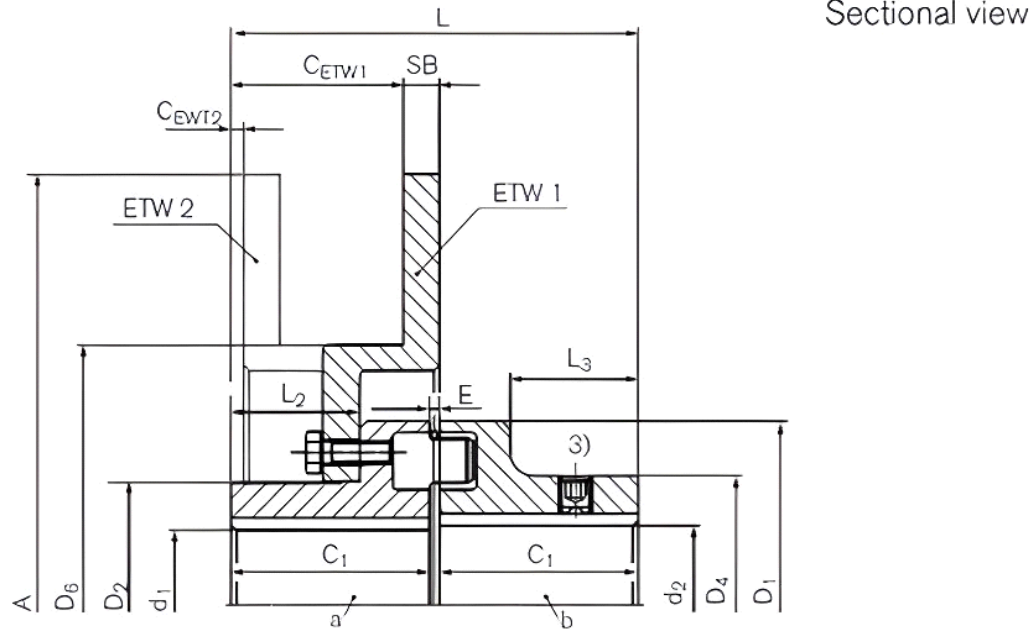
Sectional view



NM Coupling TNM-G Data

Identifier	Size	TKN-Pb722)	TKN-Pb822)	nmax	d1k-max	d2k-max	D1	D2	D4	C1	C2	L	L2	L3	E	FE	EE
		Nm	Nm		1/min	mm											
WN0208	82	48	75	8000	32	32	82	53	44.5	40	40	92	24	20	3	+/-1.0	12
WN0209	97	96	150	7000	42	39	97	69	54.5	50	49	113	30	30.5	3	+/-1.0	14
WN0211	112	150	230	6000	48	46	112	79	64.5	60	58	133	38	32.5	3.5	+/-1.0	15
WN0212	128	250	380	5000	55	53	128	90	74.5	70	68	154	45	42	3.5	+/-1.0	16
WN0214	148	390	600	4500	65	65	148	107	92.5	80	78	176	52	47	3.5	+/-1.0	18
WN0216	168	630	980	4000	75	75	168	124	104.5	90	87	198	56	52.5	3.5	+/-1.5	21
WN0219	194	1050	1650	3500	85	85	194	140	121.5	100	97	221	62	60	3.5	+/-1.5	24
WN0221	214	1500	2400	3000	95	95	214	157	135.5	110	107	243	68	66.5	4	+/-2.0	26
WN0224	240	2400	3700	2750	110	100	240	179	146	120	117	267	75	75.5	4	+/-2.0	30
WN0226	265	3700	5800	2500	120	115	265	198	164	140	137	310	90	88	5.5	+/-2.5	33
WN0229	295	4900	7550	2250	130	130	295	214	181	150	147	334	98	96	8	+/-2.5	37
WN0233	330	6400	9900	2000	150	135	330	248	208	160	156	356	104	101.5	8	+/-2.5	40
WN0237	370	8900	14000	1750	170	160	370	278	241	180	176	399	118	117	8	+/-2.5	43
WN0241	415	13200	20500	1500	190	180	415	315	275	200	196	441	135	131	8	+/-2.5	45
WN0248	480	18000	28000	1400	210	200	480	315	289	220	220	485	150	149	8	+/-2.5	45
WN0257	575	27000	41000	1200	230	260	575	350	368	240	240	525	170	168	8	+/-2.5	45

NM Coupling TNM-ETW

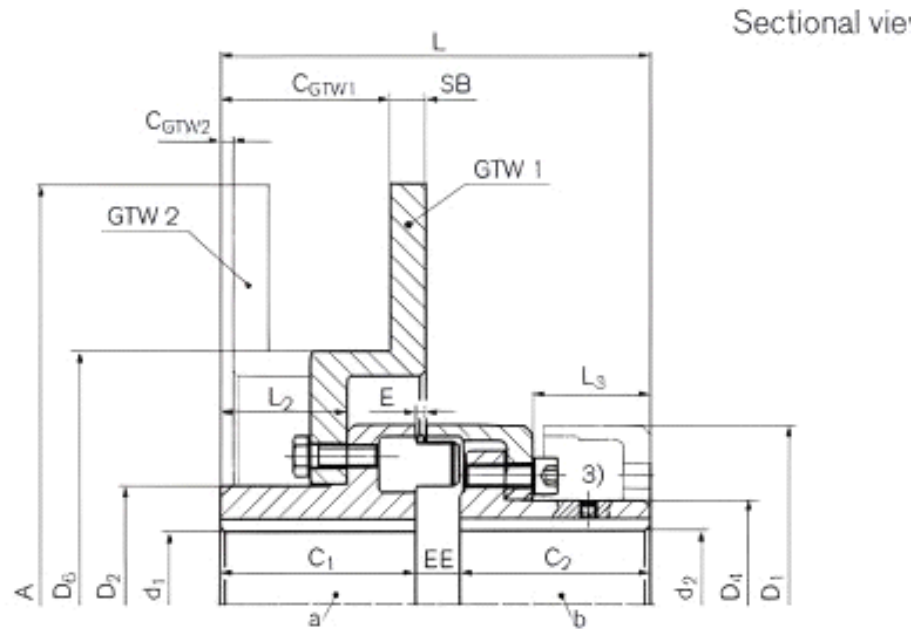


Sectional view

NM Coupling TNM-ETW Data

Identifier	Size	A	SB	TKNPb722)	TKN-Pb822)	TBR4)	nmax	d1k-max	d2kmax	D1	D2	D4	D6	C1	CETW11)	CETW21)	L	L2	L3	E
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0311-250	112	250	12.7	150	230	450	4580	42	48	112	68	79	128	60	55.8	2.5	123.5	38.5	38	3.5
WN0311-300	112	300	12.7	150	230	450	3820	42	48	112	68	79	181	60	53.8	-2.5	123.5	38.5	38	3.5
WN0312-300	128	300	12.7	250	380	550	3820	52	55	128	85	90	181	70	60.8	4.5	143.5	45.5	45	3.5
WN0314-300	148	300	12.7	390	600	1000	3820	58	65	148	94	107	181	80	67.8	11.5	163.5	52.5	52	3.5
WN0316-356	168	356	12.7	630	980	1600	3225	72	75	168	118	124	210	90	81.8	2.5	183.5	56.5	56	3.5
WN0316-406	168	406	12.7	630	980	1600	2825	72	75	168	118	124	260	90	84.8	2.5	183.5	56.5	56	3.5
WN0319-406	194	406	12.7	1050	1650	2750	2825	85	85	194	138	140	260	100	90.8	8.5	203.5	62.5	62	3.5
WN0319-457	194	457	12.7	1050	1650	2750	2510	85	85	194	138	140	311	100	87.8	8.5	203.5	62.5	62	3.5
WN0321-406	214	406	12.7	1500	2400	3350	2825	92	95	214	153	157	260	110	96.8	14.5	224	68.5	68	4
WN0321-514	214	514	12.7	1500	2400	3350	2510	92	95	214	153	157	311	110	93.8	14.5	224	68.5	68	4
WN0324-457	240	457	12.7	2400	3700	4200	2510	102	110	240	168	179	311	120	100.8	21.5	244	75.5	75	4
WN0324-514	240	514	12.7	2400	3700	4200	2230	102	110	240	168	179	368	120	100.8	21.5	244	75.5	75	4
WN0326-457	265	457	12.7	3700	5800	8700	2510	120	120	265	195	198	311	140	115.8	36.5	285.5	90.5	90	5.5
WN0326-514	265	514	12.7	3700	5800	8700	2230	120	120	265	195	198	368	140	115.8	36.5	285.5	90.5	90	5.5
WN0329-514	295	514	12.7	4900	7550	9800	2230	130	130	295	214	214	368	150	123.8	44.5	308	98.5	98	8
WN0329-610	295	610	12.7	4900	7550	9800	1880	130	130	295	214	214	464	150	123.8	44.5	308	98.5	98	8
WN0333-514	330	514	12.7	6400	9900	10600	2230	150	150	330	248	248	368	160	129.8	50.5	328	104.5	104	8
WN0333-610	330	610	12.7	6400	9900	10600	1880	150	150	330	248	248	464	160	129.8	50.5	328	104.5	104	8
WN0337-610	370	610	12.7	8900	14000	13500	1880	170	170	370	278	278	464	180	143.8	64.5	368	118.5	118	8
WN0337-711	370	711	12.7	8900	14000	13500	1615	170	170	370	278	278	565	180	140.8	64.5	368	118.5	118	8
WN0341-610	415	610	12.7	13200	20500	16000	1880	185	190	415	308	315	464	200	160.8	81.5	408	135.5	135	8
WN0341-711	415	711	12.7	13200	20500	16000	1615	185	190	415	308	315	565	200	157.8	81.5	408	135.5	135	8
WN0341-812	415	812	12.7	13200	20500	16000	1410	185	190	415	308	315	660	200	151.8	81.5	408	135.5	135	8
WN0341-915	415	915	12.7	13200	20500	16000	1255	185	190	415	308	315	760	200	151.8	81.5	408	135.5	135	8

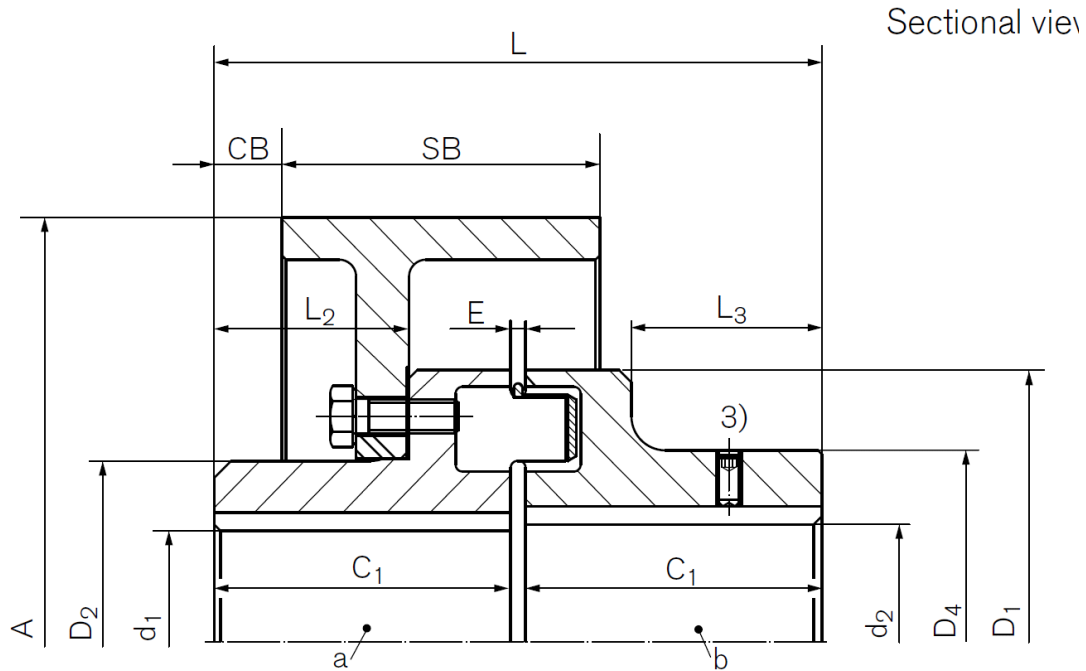
NM Coupling TNM-GTW



NM Coupling TNM-GTW Data

Identifier	Size	A	SB	TKN-Pb722)	TKN-Pb822)	TBR4)	nmax	d1k-max	d2k-max	D1	D2	D4	D6	C1	C2	CGTW1)	CGTW2)	L	L2	L3	E	EE
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0411-250	112	250	12.7	150	230	450	4580	42	46	112	68	64.5	128	60	58	55.8	2.5	133	38.5	32.5	3.5	15
WN0411-300	112	300	12.7	150	230	450	3820	42	46	112	68	64.5	181	60	58	53.8	-2.5	133	38.5	32.5	3.5	15
WN0412-300	128	300	12.7	250	380	550	3820	52	53	128	85	74.5	181	70	68	60.8	4.5	154	45.5	42	3.5	16
WN0414-300	148	300	12.7	390	600	1000	3820	58	65	148	94	92.5	181	80	78	67.8	11.5	176	52.5	47	3.5	18
WN0416-356	168	356	12.7	630	980	1600	3225	72	75	168	118	104.5	210	90	87	81.8	2.5	198	56.5	52.5	3.5	21
WN0416-406	168	406	12.7	630	980	1600	2825	72	75	168	118	104.5	260	90	87	84.8	2.5	198	56.5	52.5	3.5	21
WN0419-406	194	406	12.7	1050	1650	2750	2825	85	85	194	138	121.5	260	100	97	90.8	8.5	221	62.5	60	3.5	24
WN0419-457	194	457	12.7	1050	1650	2750	2510	85	85	194	138	121.5	311	100	97	87.8	8.5	221	62.5	60	3.5	24
WN0421-406	214	406	12.7	1500	2400	3350	2825	92	95	214	153	135.5	260	110	107	96.8	14.5	243	68.5	66.5	4	26
WN0421-514	214	514	12.7	1500	2400	3350	2510	92	95	214	153	135.5	311	110	107	93.8	14.5	243	68.5	66.5	4	26
WN0424-457	240	457	12.7	2400	3700	4200	2510	102	100	240	168	146	311	120	117	100.8	21.5	267	75.5	75.5	4	30
WN0424-514	240	514	12.7	2400	3700	4200	2230	102	100	240	168	146	368	120	117	100.8	21.5	267	75.5	75.5	4	30
WN0426-457	265	457	12.7	3700	5800	8700	2510	120	115	265	195	164	311	140	137	115.8	36.5	310	90.5	88	5.5	33
WN0426-514	265	514	12.7	3700	5800	8700	2230	120	115	265	195	164	368	140	137	115.8	36.5	310	90.5	88	5.5	33
WN0429-514	295	514	12.7	4900	7550	9800	2230	130	130	295	214	181	368	150	147	123.8	44.5	334	98.5	96	8	37
WN0429-610	295	610	12.7	4900	7550	9800	1880	130	130	295	214	181	464	150	147	123.8	44.5	334	98.5	96	8	37
WN0433-514	330	514	12.7	6400	9900	10600	2230	150	135	330	248	208	368	160	156	129.8	50.5	356	104.5	101.5	8	40
WN0433-610	330	610	12.7	6400	9900	10600	1880	150	135	330	248	208	464	160	156	129.8	50.5	356	104.5	101.5	8	40
WN0437-610	370	610	12.7	8900	14000	13500	1880	170	160	370	278	241	464	180	176	143.8	64.5	399	118.5	117	8	43
WN0437-711	370	711	12.7	8900	14000	13500	1615	170	160	370	278	241	565	180	176	140.8	64.5	399	118.5	117	8	43
WN0441-610	415	610	12.7	13200	20500	16000	1880	185	180	415	308	275	464	200	196	160.8	81.5	441	135.5	131	8	45
WN0441-711	415	711	12.7	13200	20500	16000	1615	185	180	415	308	275	565	200	196	157.8	81.5	441	135.5	131	8	45
WN0441-812	415	812	12.7	13200	20500	16000	1410	185	180	415	308	275	660	200	196	151.8	81.5	441	135.5	131	8	45
WN0441-915	415	915	12.7	13200	20500	16000	1255	185	180	415	308	275	760	200	196	151.8	81.5	441	135.5	131	8	45

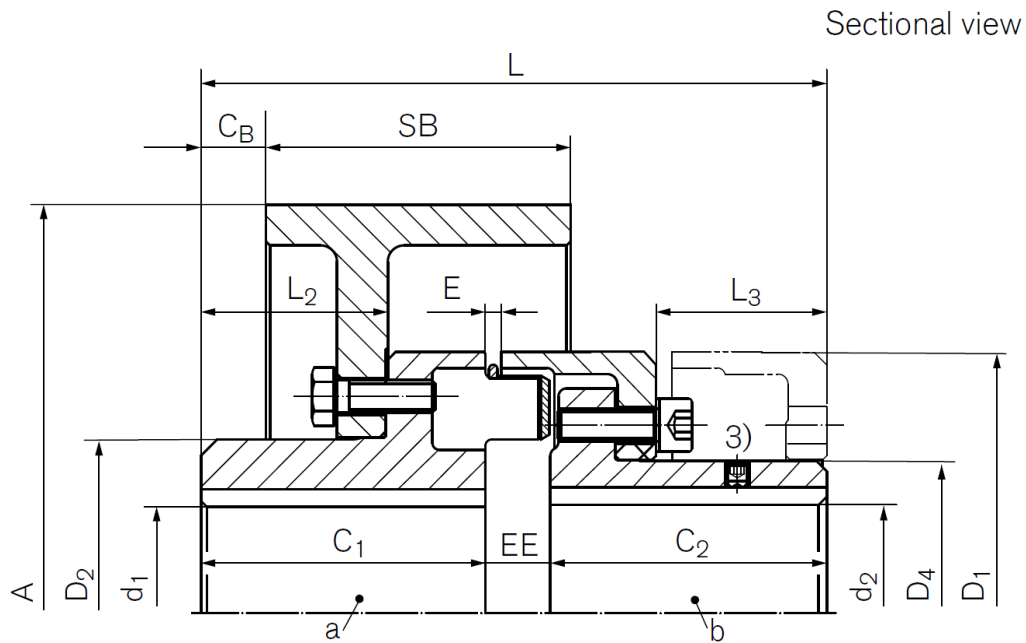
NM Coupling TNM-EBT



NM Coupling TNM-EBT Data

Identifier	Size	A	SB	TKN-Pb722)	TKN-Pb822)	TBR4)	nmax	d1k-max	d2k-max	D1	D2	D4	C1	CB	L	L2	L3	E
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0511-200	112	200	75	150	230	450	4200	42	48	112	68	79	60	11	123.5	38.5	38	3.5
WN0512-200	128	200	75	250	380	550	4200	52	55	128	85	90	70	16	143.5	45.5	45	3.5
WN0514-250	148	250	95	390	600	1000	3400	58	65	148	94	107	80	16	163.5	52.5	52	3.5
WN0516-250	168	250	95	630	980	1600	3400	72	75	168	118	124	90	19	183.5	56.5	56	3.5
WN0516-315	168	315	118	630	980	1600	2700	72	75	168	118	124	90	8	183.5	56.5	56	3.5
WN0519-315	194	315	118	1050	1650	2750	2700	85	85	194	138	140	100	16.5	203.5	62.5	62	3.5
WN0521-315	214	315	118	1500	2400	3350	2700	92	95	214	153	157	110	19	224	68.5	68	4
WN0521-400	214	400	150	1500	2400	3350	2100	90	95	214	153	157	110	12.5	224	68.5	68	4
WN0524-400	240	400	150	2400	3700	4200	2100	102	110	240	168	179	120	18	244	75.5	75	4
WN0524-500	240	500	190	2400	3700	4200	1700	102	110	240	168	179	120	9	244	75.5	75	4
WN0526-500	265	500	190	3700	5800	8700	1700	120	120	265	198	198	140	22	285.5	90.5	90	5.5
WN0529-500	295	500	190	4900	7550	9800	1700	130	130	295	214	214	150	30	308	98.5	98	8
WN0529-630	295	630	236	4900	7550	9800	1360	130	130	295	214	214	150	5	308	98.5	98	8
WN0533-630	330	630	236	6400	9900	10600	1360	150	150	330	248	248	160	11	328	104.5	104	8
WN0533-710	330	710	265	6400	9900	10600	1200	150	150	330	248	248	160	0	328	104.5	104	8
WN0537-710	370	710	265	8900	14000	13500	1200	170	170	370	278	278	180	15	368	118.5	118	8
WN0541-710	415	710	265	13200	20500	16000	1200	185	190	415	308	315	200	25	408	135.5	135	8

NM Coupling TNM-GBT

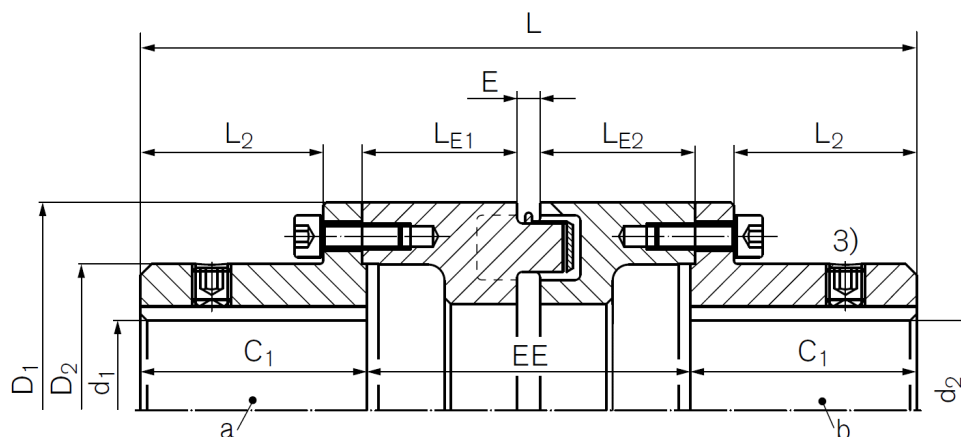


NM Coupling TNM-GBT Data

Identifier	Size	A	SB	TKN-Pb722)	TKN-Pb822)	TBR4)	nmax	d1k-max	d2k-max	D1	D2	D4	C1	C2	CB	L	L2	L3	E	EE
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0611-200	112	200	75	150	230	450	4200	42	46	112	68	64.5	60	58	11	133	38.5	32.5	3.5	15
WN0612-200	128	200	75	250	380	550	4200	52	53	128	85	74.5	70	68	16	154	45.5	42	3.5	16
WN0614-250	148	250	95	390	600	1000	3400	58	65	148	94	92.5	80	78	16	176	52.5	47	3.5	18
WN0616-250	168	250	95	630	980	1600	3400	72	75	168	118	104.5	90	87	19	198	56.5	52.5	3.5	21
WN0616-315	168	315	118	630	980	1600	2700	72	75	168	118	104.5	90	87	8	198	56.5	52.5	3.5	21
WN0619-315	194	315	118	1050	1650	2750	2700	85	85	194	138	121.5	100	97	16.5	221	62.5	60	3.5	24
WN0621-315	214	315	118	1500	2400	3350	2700	92	95	214	153	135.5	110	107	19	243	68.5	66.5	4	26
WN0621-400	214	400	150	1500	2400	3350	2100	92	95	214	153	135.5	110	107	12.5	243	68.5	66.5	4	26
WN0624-400	240	400	150	2400	3700	4200	2100	102	100	240	168	146	120	117	18	267	75.5	75.5	4	30
WN0624-500	240	500	190	2400	3700	4200	1700	102	100	240	168	146	120	117	9	267	75.5	75.5	4	30
WN0626-500	265	500	190	3700	5800	8700	1700	120	115	265	198	164	140	137	22	310	90.5	89	5.5	33
WN0629-500	295	500	190	4900	7550	9800	1700	130	130	295	214	181	150	147	30	334	98.5	96	8	37
WN0629-630	295	630	236	4900	7550	9800	1360	130	130	295	214	181	150	147	5	334	98.5	96	8	37
WN0633-630	330	630	236	6400	9900	10600	1360	150	135	330	248	208	160	156	11	356	104.5	101.5	8	40
WN0633-710	330	710	265	6400	9900	10600	1200	150	135	330	248	208	160	156	0	356	104.5	101.5	8	40
WN0637-710	370	710	265	8900	14000	13500	1200	170	160	370	278	241	180	176	15	399	118.5	117	8	43
WN0641-710	415	710	265	13200	20500	16000	1200	185	180	415	308	275	200	196	25	441	135.5	131	8	45

NM Coupling TNM-H

Sectional view



NM Coupling TNM-H Data

Identifier	Size	TKN-Pb722)	TKN-Pb822)	n _{max}	d1k-max	d2k-max	D1	D2	C1	L	L2	LE1	LE2	E	EE
		Nm	Nm		1/min	mm									
WN0706-100	67	22	3	10000	30	30	67	45	30	160	20	48.5	48.5	5	100
WN0706-120	67	22	35	10000	30	30	67	45	30	180	20	48.5	68.5	5	120
WN0706-140	67	22	35	10000	30	30	67	45	30	200	20	68.5	68.5	5	140
WN0708-100	82	48	75	8000	35	35	82	53	40	180	28	48.5	48.5	5	100
WN0708-120	82	48	75	8000	35	35	82	53	40	200	28	48.5	68.5	5	120
WN0708-140	82	48	75	8000	35	35	82	53	40	220	28	68.5	68.5	5	140
WN0709-100	97	96	150	7000	45	45	97	66	50	200	37	48.5	48.5	5	100
WN0709-120	97	96	150	7000	45	45	97	66	50	220	37	48.5	68.5	5	120
WN0709-140	97	96	150	7000	45	45	97	66	50	240	37	68.5	68.5	5	140
WN0711-100	112	150	230	6000	50	50	112	79	60	220	46.5	48	48	7	100
WN0711-120	112	150	230	6000	50	50	112	79	60	240	46.5	48	68	7	120
WN0711-140	112	150	230	6000	50	50	112	79	60	260	46.5	68	68	7	140
WN0712-100	128	250	380	5000	60	60	128	90	70	240	56.5	48	48	7	100
WN0712-120	128	250	380	5000	60	60	128	90	70	260	56.5	48	68	7	120
WN0712-140	128	250	380	5000	60	60	128	90	70	280	56.5	68	68	7	140
WN0712-180	128	250	380	5000	60	60	128	90	70	320	56.5	88	88	7	180
WN0714-100	148	390	600	4500	65	65	148	107	80	260	64.5	48	48	7	100
WN0714-140	148	390	600	4500	65	65	148	107	80	300	64.5	48	88	7	140
WN0714-180	148	390	600	4500	65	65	148	107	80	340	64.5	88	88	7	180
WN0716-100	168	630	980	4000	75	75	168	124	90	280	73.5	48	48	7	100
WN0716-140	168	630	980	4000	75	75	168	124	90	320	73.5	48	88	7	140
WN0716-180	168	630	980	4000	75	75	168	124	90	360	73.5	88	88	7	180
WN0719-100	194	1050	1650	3500	85	85	194	140	100	300	82.5	48	48	7	100
WN0719-140	194	1050	1650	3500	85	85	194	140	100	340	82.5	48	88	7	140
WN0719-180	194	1050	1650	3500	85	85	194	140	100	380	82.5	88	88	7	180
WN0719-250	194	1050	1650	3500	85	85	194	140	100	450	82.5	123	123	7	250
WN0721-100	214	1500	2400	3000	95	95	214	157	110	320	90.5	48	48	7	100
WN0721-140	214	1500	2400	3000	95	95	214	157	110	360	90.5	48	88	7	140
WN0721-180	214	1500	2400	3000	95	95	214	157	110	400	90.5	88	88	7	180
WN0721-250	214	1500	2400	3000	95	95	214	157	110	470	90.5	123	123	7	250

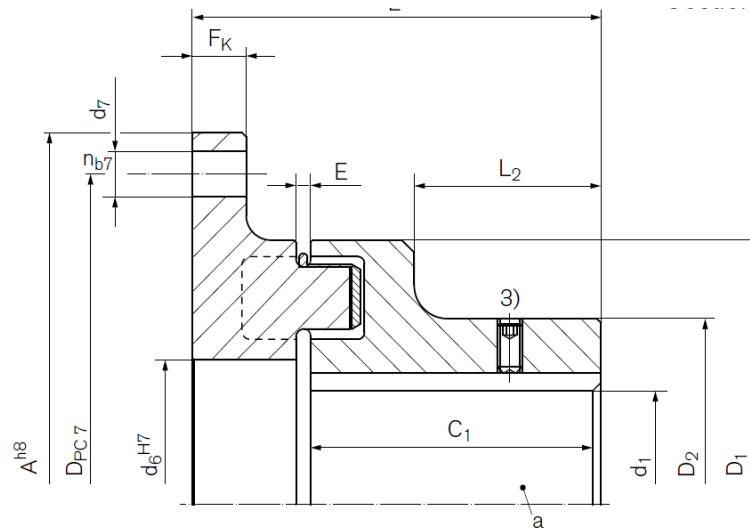
All dimensions in millimeters unless otherwise stated.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Apollo accepts no liability for any inaccuracies or damage caused.

NM Coupling TNM-H Data

Identifier	Size	TKN-Pb722)	TKN-Pb822)	n _{max}	d1k _{max}	d2k _{max}	D1	D2	C1	L	L2	LE1	LE2	E	EE
		Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0724-100	240	2400	3700	2750	110	110	240	179	120	340	98	48	48	8	100
WN0724-140	240	2400	3700	2750	110	110	240	179	120	380	98	48	88	8	140
WN0724-180	240	2400	3700	2750	110	110	240	179	120	420	98	88	88	8	180
WN0724-250	240	2400	3700	2750	110	110	240	179	120	490	98	123	123	8	250
WN0726-100	265	3700	5800	2500	120	120	265	198	140	380	117	48	48	8	100
WN0726-140	265	3700	5800	2500	120	120	265	198	140	420	117	48	88	8	140
WN0726-180	265	3700	5800	2500	120	120	265	198	140	460	117	88	88	8	180
WN0726-250	265	3700	5800	2500	120	120	265	198	140	530	117	123	123	8	260
WN0729-140	295	4900	7550	2250	130	130	295	214	150	440	122	67	67	10	140
WN0729-180	295	4900	7550	2250	130	130	295	214	150	480	122	87	87	10	180
WN0729-250	295	4900	7550	2250	130	130	295	214	150	550	122	122	122	10	250
WN0733-140	330	6400	9900	2000	150	150	330	248	160	460	128	67	67	10	140
WN0733-180	330	6400	9900	2000	150	150	330	248	160	500	128	87	87	10	180
WN0733-250	330	6400	9900	2000	150	150	330	248	160	570	128	122	122	10	250

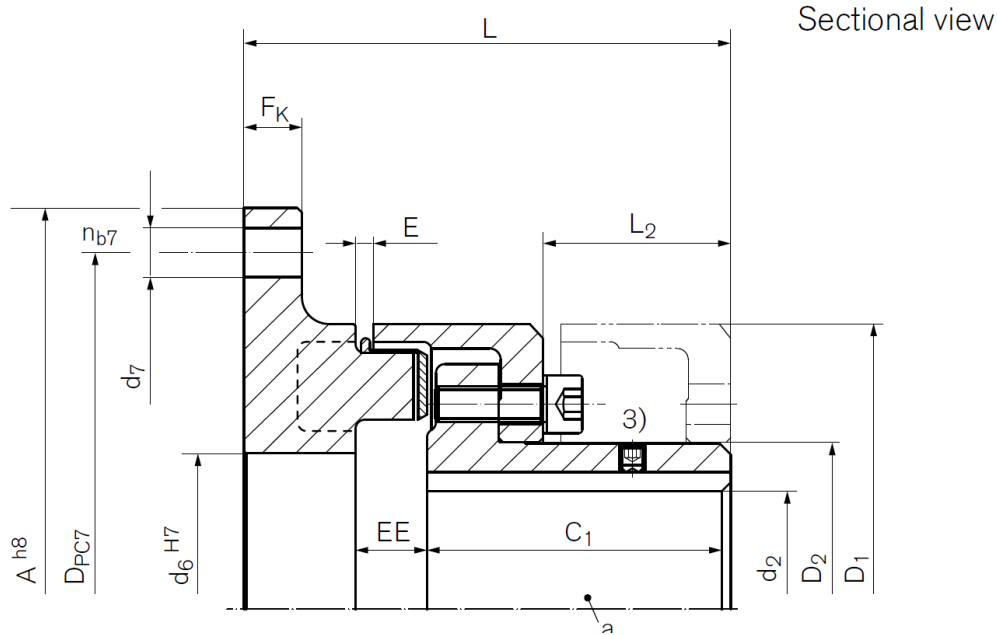
NM Coupling TNM-LE



NM Coupling TNM-LE Data

Identifier	Size	A4)	TKNPb722	TKNPb822)	n _{max}	d1k _{max}	D1	D2	C1	FK	d6	DPC7	nb7	d7	L	L2	E
		mm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0806-106	67	106	22	35	10000	28	67	46	30	8	30	94	6	6.6	47.5	15	2.5
WN0808-120	82	120	48	75	8000	32	82	53	40	8	40	108	6	6.6	59	24	3
WN0809-144	97	144	96	150	7000	45	97	69	50	10	50	128	6	9	73	30	3
WN0811-158	112	158	150	230	6000	48	112	79	60	10	60	142	6	9	85.5	38	3.5
WN0812-180	128	180	250	380	5000	55	128	90	70	13	70	160	6	11	98.5	45	3.5
WN0814-200	148	200	390	600	4500	65	148	107	80	13	90	180	7	11	111.5	52	3.5
WN0816-220	168	220	630	980	4000	75	168	124	90	13	100	200	8	11	127.5	56	3.5
WN0819-248	194	248	1050	1650	3500	85	194	140	100	16	115	224	8	14	141.5	62	3.5
WN0821-274	214	274	1500	2400	3000	95	214	157	110	16	130	250	8	14	156	68	4
WN0824-314	240	314	2400	3700	2750	110	240	179	120	20	145	282	8	18	169	75	4
WN0826-344	265	344	3700	5800	2500	120	265	198	140	20	160	312	8	18	195.5	90	5.5
WND829-380	295	380	4900	7550	2250	130	295	214	150	22	170	348	9	18	210	98	8
WN0833-430	330	430	6400	9900	2000	150	330	248	160	25	200	390	9	22	224	104	8
WN0837-480	370	480	8900	14000	1750	170	370	278	180	25	235	440	10	22	250	118	8
WN0841-575	415	575	13200	20500	1500	190	415	315	200	30	270	528	10	26	273	135	8
WN0848-615	480	615	18000	28000	1400	210	480	315	220	30	320	568	10	26	293	150	8
WN0857-692	575	692	27000	41000	1200	230	575	350	240	30	400	645	10	26	313	170	8

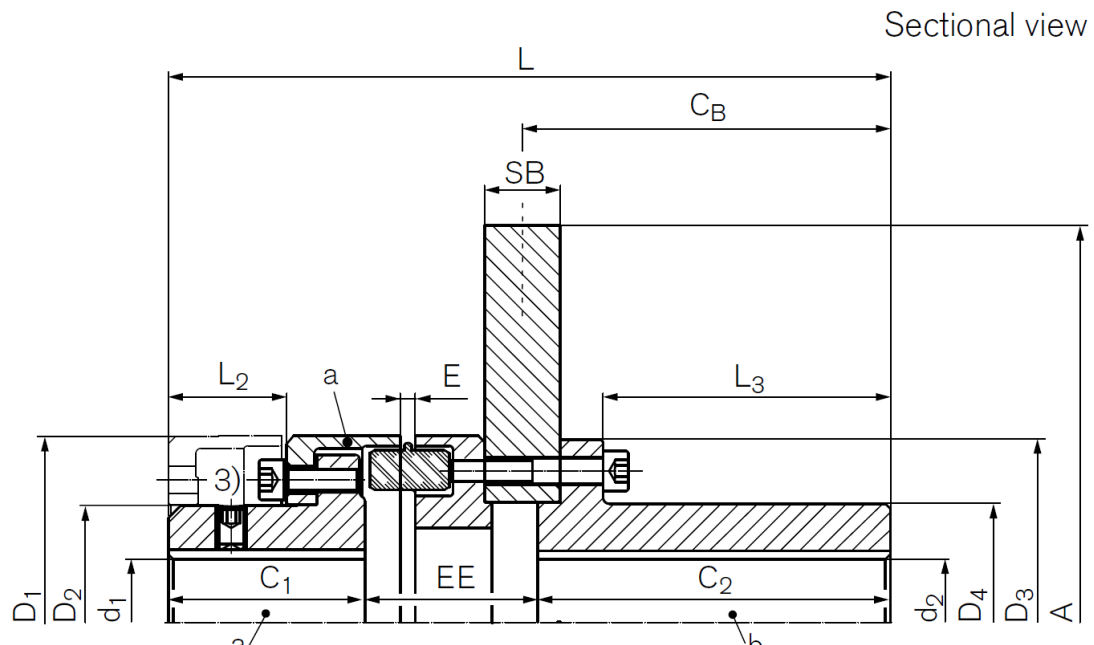
NM Coupling TNM-LG



NM Coupling TNM-LG Data

Identifier	Size	A4)	TKN-Pb722)	TKN-Pb822)	nmax	d1k-max	D1	D2	C1	FK	d6	DPc7	nb7	d7	L	L2	E
		mm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN0908-120	82	120	48	75	8000	32	82	44.5	40	8	40	108	6	6.6	68	20	3
WN0909-144	97	144	96	150	7000	39	97	54.5	49	10	50	128	6	9	83	30.5	3
WN0911-158	112	158	150	230	6000	46	112	64.5	58	10	60	142	6	9	95	32.5	3.5
WN0912-180	128	180	250	380	5000	53	128	74.5	68	13	70	160	6	11	109	42	3.5
WN0914-200	148	200	390	600	4500	65	148	92.5	78	13	90	180	7	11	124	47	3.5
WN0916-220	168	220	630	980	4000	75	168	104.5	87	13	100	200	8	11	142	52.5	3.5
WN0919-248	194	248	1050	1650	3500	85	194	121.5	97	16	115	224	8	14	159	60	3.5
WN0921-274	214	274	1500	2400	3000	95	214	135.5	107	16	130	250	8	14	175	66.5	4
WN0924-314	240	314	2400	3700	2750	100	240	146	117	20	145	282	8	18	192	75.5	4
WN0926-344	265	344	3700	5800	2500	115	265	164	137	20	160	312	8	18	220	88	5.5
WN0929-380	295	380	4900	7550	2250	130	295	181	147	22	170	348	9	18	236	96	8
WN0933-430	330	430	6400	9900	2000	135	330	208	156	25	200	390	9	22	252	101.5	8
WN0937-480	370	480	8900	14000	1750	160	370	241	176	25	235	440	10	22	281	117	8
WN0941-575	415	575	13200	20500	1500	180	415	275	196	30	270	528	10	26	306	131	8
WN0948-615	480	615	18000	28000	1400	200	480	289	220	30	320	568	10	26	330	149	8
WN0957-692	575	692	27000	41000	1200	260	575	368	240	30	400	645	10	26	350	168	8

NM Coupling TNM-GHBS



NM Coupling TNM-GHBS Data

Identifier	Size	A	SB	TKN-Pb722)	TKN-Pb822)	TBR4)	n _{max}	d1k-max	d2k-max	D1	D2	D3	D4	C1	C2	CB	L	L2	L3	E	EE
		mm	mm	Nm	Nm	Nm	1/min	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
WN1514-315	148	315	30	390	600	1000	4500	65	65	148	92.5	145	94	78	140	146	286.5	47	119	6	68.5
WN1516-355	168	355	30	630	980	1600	4000	75	80	168	104.5	168	115	87	140	146	304.5	52.5	116	6	77.5
WN1516-400	168	400	30	630	980	1600	4000	75	80	168	104.5	168	115	87	140	146	304.5	52.5	116	6	77.5
WN1516-450	168	450	30	630	980	1600	3750	75	80	168	104.5	168	115	87	140	146	304.5	52.5	116	6	77.5
WN1519-400	194	400	30	1050	1650	2750	3500	85	95	194	121.5	194	135	97	140	146	321.5	60	112	6	84.5
WN1519-560	194	560	30	1050	1650	2750	3000	85	95	194	121.5	194	135	97	140	146	321.5	60	112	6	84.5
WN1524-450	240	450	30	2400	3700	4200	2750	100	115	240	146	225	165	117	140	146	354	75.5	109.5	6.5	97
WN1524-560	240	560	30	2400	3700	4200	2750	100	115	240	146	225	165	117	140	146	354	75.5	109.5	6.5	97
WN1524-630	240	630	30	2400	3700	4200	2750	100	115	240	146	225	165	117	140	146	354	75.5	109.5	6.5	97
WN1526-500	265	500	30	3700	5800	8700	2500	115	135	265	164	265	195	137	140	146	381.5	88	107	7	104.5
WN1526-560	265	560	30	3700	5800	8700	2500	115	135	265	164	265	195	137	140	146	381.5	88	107	7	104.5
WN1526-710	265	710	30	3700	5800	8700	2400	115	135	265	164	265	195	137	140	146	381.5	88	107	7	104.5
WN1529-630	295	630	30	4900	7550	9800	2250	130	153	295	181	295	215	147	140	146	396.5	96	106	8	109.5
WN1529-710	295	710	30	4900	7550	9800	2250	130	153	295	181	295	215	147	140	146	396.5	96	106	8	109.5



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