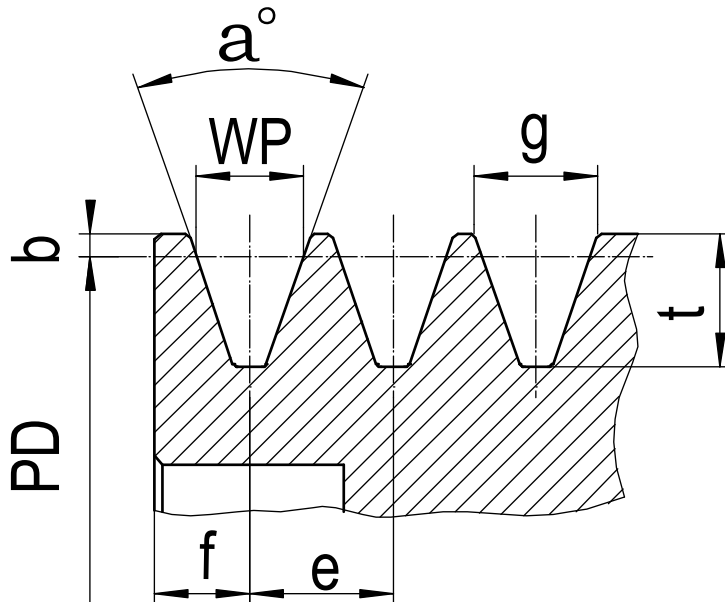


INDEX	MATERIAL	PAGE
1.DIMENSIONS OF EUROPEAN STANDARD V-GROOVED PULLEYS		3
2.TB PULLEYS-SPZ	HT200 or STEEL(45#)	4~13
3. TB PULLEYS-SPA	HT200 or STEEL(45#)	14~24
4. TB PULLEYS-SPB	HT200 or STEEL(45#)	25~40
5. TB PULLEYS-SPC	HT200	41~50
6.INSTALLTON INSTRUCTION FOR PULLEYS SCREW TIGHTENING TORQUES		51
7.PILOT BORE PULLEYS-SPZ	HT200	52~55
8. PILOT BORE PULLEYS-SPA	HT200	56~62
9. PILOT BORE PULLEYS-SPB	HT200	63~69
10. PILOT BORE PULLEYS-SPC	HT200	70~72
11. DIMENSIONS OF AMERICAN STANDARD V-GROOVED PULLEYS		73
12.AK	HT200	74~75
13.BK	HT200	76~78
14.AKH	HT200	79~80
15.BKH	HT200	81~83
16.QD SHEAVES STRUCTURC SKETCH		84
17. QD PULLEYS-3V	HT200	85~86
18. QD PULLEYS-5V	HT200	87~89
19. QD PULLEYS-8V	HT200	90~91
20. QD PULLEYS-AB	HT200	92~94

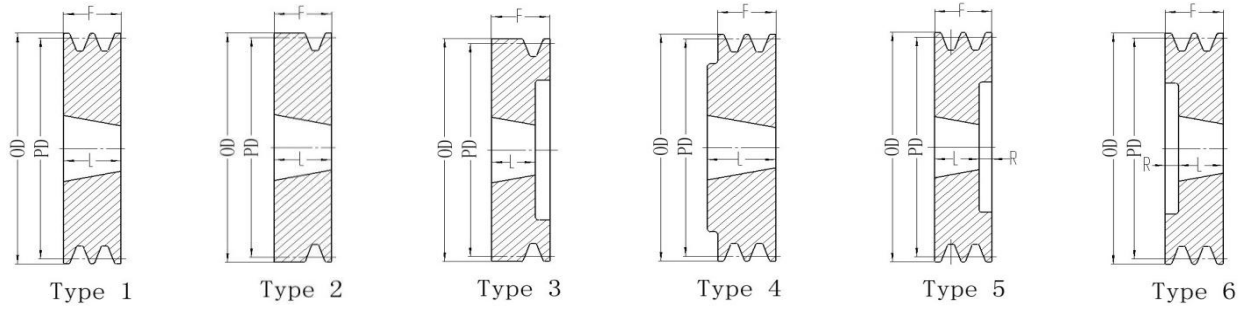
21. QD PULLEYS-C	HT200	95~96
22.GRIPBELT SHEAVES WITH SPLIT TAPER BUSHING	HT200	97~99
23.ADJUSTABLE TB SHEAVES	HT200	100
24. ADJUSTABLE PILOT BORE SHEAVES	HT200	101~102
25. TAPER-LOCK BUSHING	HT250	103~107
26.QD BUSHING	QT450-10	108~113
27.SPLIT TAPER BUSHING	QT450-10	114~115
28.Fenaflex Coupling	QT450-10	116
29. HRC Coupling	HT200	117
30. JAW Coupling		118

DIMENSIONS OF V-GROOVED PULLEYS



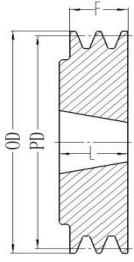
(mm)

GROOVE PROFILE	WP	b	t	e	f	PD	ANGLE a°	g
SPZ	8.5	2.0	$11.0^{+0.6}_0$	12 ± 0.3	8.0 ± 0.6	≤ 80	34 ± 1	9.72
						> 80	38 ± 1	9.88
SPA	11.0	2.8	$13.8^{+0.6}_0$	15 ± 0.3	10.0 ± 0.6	≤ 118	34 ± 1	12.68
						> 118	38 ± 1	12.89
SPB	14.0	3.5	$17.5^{+0.6}_0$	19 ± 0.4	12.5 ± 0.8	≤ 190	34 ± 1	16.14
						> 190	38 ± 1	16.41
SPC	19.0	4.8	$23.8^{+0.6}_0$	25.5 ± 0.5	17.0 ± 1	≤ 315	34 ± 0.5	21.94
						> 315	38 ± 0.5	22.31

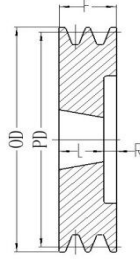


SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 50 X 1 — ST	50	54	1008	3	38	24	14	—
SPZ 50 X 2 — ST	50	54	1008	3	50	24	26	—
SPZ 56 X 1 — ST	56	60	1008	3	37	24	13	—
SPZ 56 X 1 — D	56	60	1008	3	37	22	15	—
SPZ 56 X 2 — ST	56	60	1008	3	49	24	25	—
SPZ 56 X 2 -ST -Y	56	60	1108	3	49	24	25	—
SPZ 56 X 3	56	60	1108	3	61	23	38	—
SPZ 60 X 1	60	64	1008	2	22	22	—	—
SPZ 60 X 1 — ST	60	64	1008	2	22	22	—	—
SPZ 60 X 2	60	64	1108	3	49	22	27	—
SPZ 60 X 2 — ST	60	64	1108	3	49	22	27	—
SPZ 60 X 3	60	64	1108	3	61	23	38	—
SPZ 62 X 1	62	66	1108	4	16	22	—	—
SPZ 62 X 2	62	66	1108	5	28	22	6	—
SPZ 62 X 3	62	66	1108	5	40	22	18	—
SPZ 63 X 1	63	67	1108	4	16	22	—	—
SPZ 63 X 1 — ST	63	67	1108	4	16	22	—	—
SPZ 63 X 2	63	67	1108	5	28	22	6	—
SPZ 63 X 2 — Y	63	67	1108	1	28	28	—	—
SPZ 63 X 3	63	67	1108	5	40	22	18	—
SPZ 63 X 3 — Y	63	67	1108	6	40	22	18	—
SPZ 63 X 4	63	67	1108	5	52	22	30	—
SPZ 65 X 1	65	69	1108	4	16	22	—	—
SPZ 65 X 2	65	69	1108	5	28	22	—	—
SPZ 65 X 3	65	69	1108	5	40	22	—	—
SPZ 67 X 1	67	71	1108	4	16	22	—	—
SPZ 67 X 2	67	71	1108	5	28	22	6	—
SPZ 67 X 3	67	71	1108	5	40	22	18	—
SPZ 67 X 4	67	71	1108	5	52	22	30	—
SPZ 69 X 1	69	73	1108	4	16	22	—	—
SPZ 69 X 2	69	73	1108	5	28	22	—	—
SPZ 69 X 3	69	73	1108	5	40	22	—	—
SPZ 71 X 1	71	75	1108	4	16	22	—	—
SPZ 71 X 2	71	75	1108	5	28	22	6	—
SPZ 71 X 3	71	75	1108	5	40	22	18	—
SPZ 71 X 4	71	75	1108	5	52	22	30	—

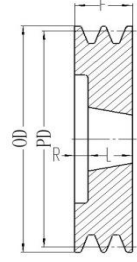
NOTE: MATERIAL FOR ITEMS MARKEND WITH “ST” TO BE STEEL (45#).



Type 4



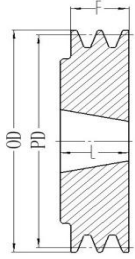
Type 5



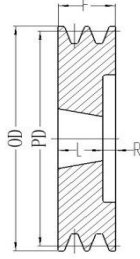
Type 6

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 71 X 5	71	75	1108	5	64	22	42	—
SPZ 73 X 1	73	77	1108	4	16	22		
SPZ 73 X 2	73	77	1210	5	28	25		
SPZ 73 X 3	73	77	1210	5	40	25		
SPZ 75 X 1	75	79	1108	4	16	22	—	
SPZ 75 X 2	75	79	1210	5	28	25	3	—
SPZ 75 X 2 — ST	75	79	1210	5	28	25	3	
SPZ 75 X 3	75	79	1210	5	40	25	15	—
SPZ 75 X 4	75	79	1210	5	52	25	27	—
SPZ 78 X 1	78	82	1210	4	16	25		
SPZ 78 X 2	78	82	1210	5	28	25	3	
SPZ 78 X 3	78	82	1210	5	40	25	15	
SPZ 80 X 1	80	84	1210	4	16	25	—	
SPZ 80 X 2	80	84	1210	5	28	25	3	—
SPZ 80 X 2 — ST	80	84	1210	5	28	25	3	
SPZ 80 X 3	80	84	1210	5	40	25	15	—
SPZ 80 X 3 — Y	80	84	1210	6	40	25	15	—
SPZ 80 X 4	80	84	1210	5	52	25	27	—
SPZ 80 X 4 — ST	80	84	1210	5	52	25	27	
SPZ 83 X 1	83	87	1210	4	16	25		
SPZ 83 X 2	83	87	1610	5	28	25	3	
SPZ 83 X 3	83	87	1610	5	40	25	15	
SPZ 85 X 1	85	89	1210	4	16	25	—	
SPZ 85 X 2	85	89	1610	5	28	25	3	—
SPZ 85 X 2 — ST	85	89	1610	5	28	25	3	
SPZ 85 X 3	85	89	1610	5	40	25	15	—
SPZ 85 X 3 — ST	85	89	1610	5	40	25	15	
SPZ 85 X 4	85	89	1610	5	52	25	27	—
SPZ 85 X 4 — ST	85	89	1610	5	52	25	27	
SPZ 85 X 5	85	89	1610	5	64	25	39	—
SPZ 85 X 5 — ST	85	89	1610	5	64	25	39	
SPZ 88 X 1	88	92	1210	4	16	25		
SPZ 88 X 2	88	92	1610	5	28	25	3	
SPZ 88 X 3	88	92	1610	5	40	25	15	

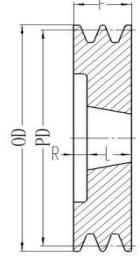
NOTE: MATERIAL FOR ITEMS MARKEND WITH “ST” TO BE STEEL (45#).



Type 4



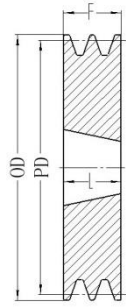
Type 5



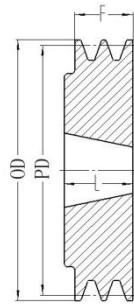
Type 6

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 90 X 1	90	94	1210	4	16	25	—	—
SPZ 90 X 2	90	94	1610	5	28	25	3	—
SPZ 90 X 3	90	94	1610	5	40	25	15	—
SPZ 90 X 3 — Y	90	94	1610	6	40	25	15	—
SPZ 90 X 3 — ST	90	94	1610	5	40	25	15	—
SPZ 90 X 4	90	94	1610	5	52	25	27	—
SPZ 90 X 4 — ST	90	94	1610	5	52	25	27	—
SPZ 90 X 5	90	94	1610	5	64	25	39	—
SPZ 90 X 5 — ST	90	94	1610	5	64	25	39	—
SPZ 90 X 6	90	94	1610	5	76	25	51	—
SPZ 93 X 1	93	97	1210	4	16	25	—	—
SPZ 93 X 2	93	97	1610	5	28	25	3	—
SPZ 93 X 3	93	97	1610	5	40	25	15	—
SPZ 95 X 1	95	99	1210	4	16	25	—	—
SPZ 95 X 2	95	99	1610	5	28	25	3	—
SPZ 95 X 3	95	99	1610	5	40	25	15	—
SPZ 95 X 3 — Y	95	99	1610	6	40	25	15	—
SPZ 95 X 4	95	99	1610	5	52	25	27	—
SPZ 95 X 5	95	99	1610	5	64	25	39	—
SPZ 95 X 6	95	99	1610	5	76	25	51	—
SPZ 98 X 1	98	102	1210	4	16	25	—	—
SPZ 98 X 2	98	102	1610	5	28	25	3	—
SPZ 98 X 3	98	102	1610	5	40	25	15	—
SPZ 100 X 1	100	104	1210	4	16	25	—	—
SPZ 100 X 2	100	104	1610	5	28	25	3	—
SPZ 100 X 3	100	104	1610	5	40	25	15	—
SPZ 100 X 3 — Y	100	104	1610	6	40	25	15	—
SPZ 100 X 4	100	104	1610	5	52	25	27	—
SPZ 100 X 5	100	104	2012	5	64	32	32	—
SPZ 100 X 5 — ST	100	104	2012	5	64	32	32	—
SPZ 100 X 6	100	104	2012	5	76	32	44	—
SPZ 100 X 6 — ST	100	104	2012	5	76	32	44	—
SPZ 103 X 1	103	107	1610	4	16	25	—	—
SPZ 103 X 2	103	107	1610	5	28	25	3	—

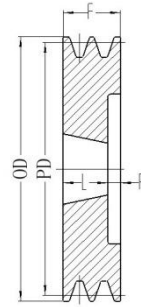
NOTE: MATERIAL FOR ITEMS MARKEND WITH “ST” TO BE STEEL (45#).



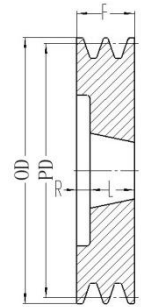
Type 1



Type 4

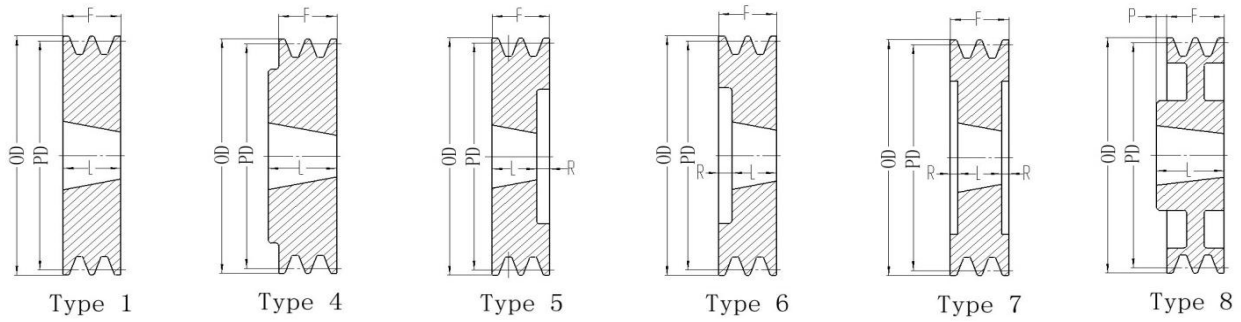


Type 5

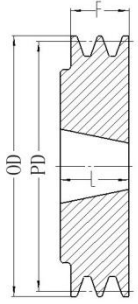


Type 6

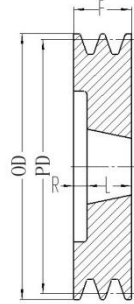
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 103 X 3	103	107	1610	5	40	25	15	
SPZ 106 X 1	106	110	1610	4	16	25	—	
SPZ 106 X 2	106	110	1610	5	28	25	3	—
SPZ 106 X 2 — Y	106	110	1610	1	28	28	—	—
SPZ 106 X 3	106	110	1610	5	40	25	15	—
SPZ 106 X 3 — Y	106	110	1610	6	40	25	15	—
SPZ 106 X 4	106	110	1610	5	52	25	27	—
SPZ 106 X 4 — Y	106	110	2012	5	52	32	20	—
SPZ 106 X 5	106	110	2012	5	64	32	32	—
SPZ 106 X 5 — Y	106	110	2012	6	64	32	32	—
SPZ 106 X 6	106	110	2012	5	76	32	44	—
SPZ 109 X 1	109	113	1610	4	16	25		
SPZ 109 X 2	109	113	1610	5	28	25	3	
SPZ 109 X 3	109	113	2012	5	40	32	8	
SPZ 112 X 1	112	116	1610	4	16	25	—	
SPZ 112 X 2	112	116	1610	5	28	25	3	—
SPZ 112 X 2 — Y	112	116	1610	6	28	25	3	—
SPZ 112 X 3	112	116	2012	5	40	32	8	—
SPZ 112 X 3 — Y	112	116	2012	6	40	32	8	—
SPZ 112 X 4	112	116	2012	5	52	32	20	—
SPZ 112 X 5	112	116	2012	5	64	32	32	—
SPZ 112 X 5 — Y	112	116	2012	6	64	32	32	—
SPZ 112 X 6	112	116	2012	5	76	32	44	—
SPZ 115 X 1	115	119	1610	4	16	25		
SPZ 115 X 2	115	119	1610	5	28	25	3	
SPZ 115 X 3	115	119	2012	5	40	32	8	
SPZ 118 X 1	118	122	1610	4	16	25	—	
SPZ 118 X 2	118	122	1610	5	28	25	3	—
SPZ 118 X 2 — Y	118	122	1610	6	28	25	3	—
SPZ 118 X 3	118	122	2012	5	40	32	8	—
SPZ 118 X 3 — Y	118	122	2012	6	40	32	8	—
SPZ 118 X 4	118	122	2012	5	52	32	20	—
SPZ 118 X 4 — Y	118	122	2012	6	52	32	20	—



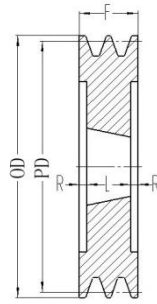
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 118 X 5	118	122	2012	5	64	32	32	—
SPZ 118 X 5 — Y	118	122	2012	6	64	32	32	—
SPZ 118 X 6	118	122	2517	5	76	45	31	—
SPZ 122 X 1	122	126	1610	4	16	25		
SPZ 122 X 2	122	126	1610	5	28	25	3	
SPZ 122 X 3	122	126	2012	6	40	32	8	
SPZ 125 X 1	125	129	1610	4	16	25	—	—
SPZ 125 X 2	125	129	1610	5	28	25	3	—
SPZ 125 X 2 — Y	125	129	1610	1	28	28	—	—
SPZ 125 X 3	125	129	2012	6	40	32	8	—
SPZ 125 X 4	125	129	2012	6	52	32	20	—
SPZ 125 X 5	125	129	2012	5	64	32	32	—
SPZ 125 X 5 — Y	125	129	2012	6	64	32	32	—
SPZ 125 X 6	125	129	2517	5	76	45	31	—
SPZ 129 X 1	129	133	1610	4	16	25		
SPZ 129 X 2	129	133	1610	5	28	25	3	
SPZ 129 X 3	129	133	2012	6	40	32	8	
SPZ 132 X 1	132	136	1610	4	16	25	—	—
SPZ 132 X 2	132	136	1610	5	28	25	3	—
SPZ 132 X 3	132	136	2012	6	40	32	8	—
SPZ 132 X 4	132	136	2012	6	52	32	20	—
SPZ 132 X 5	132	136	2517	5	64	45	19	—
SPZ 132 X 5 — Y	132	136	2517	6	64	45	19	—
SPZ 132 X 6	132	136	2517	5	76	45	31	—
SPZ 132 X 8	132	136	2517	7	100	45	27.5	
SPZ 136 X 1	136	140	1610	4	16	25		
SPZ 136 X 2	136	140	1610	5	28	25	3	
SPZ 136 X 3	136	140	2012	6	40	32	8	
SPZ 140 X 1	140	144	1610	8	16	25	—	9
SPZ 140 X 2	140	144	1610	5	28	25	3	—
SPZ 140 X 2 — Z	140	144	1610	6	28	25	3	—
SPZ 140 X 3	140	144	2012	6	40	32	8	—
SPZ 140 X 3 — Y	140	144	2012	5	40	32	8	—
SPZ 140 X 4	140	144	2012	6	52	32	20	—
SPZ 140 X 5	140	144	2517	6	64	45	19	—



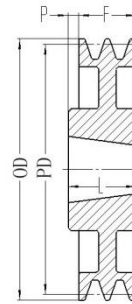
Type 4



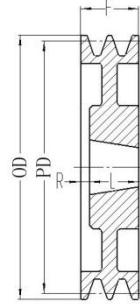
Type 6



Type 7

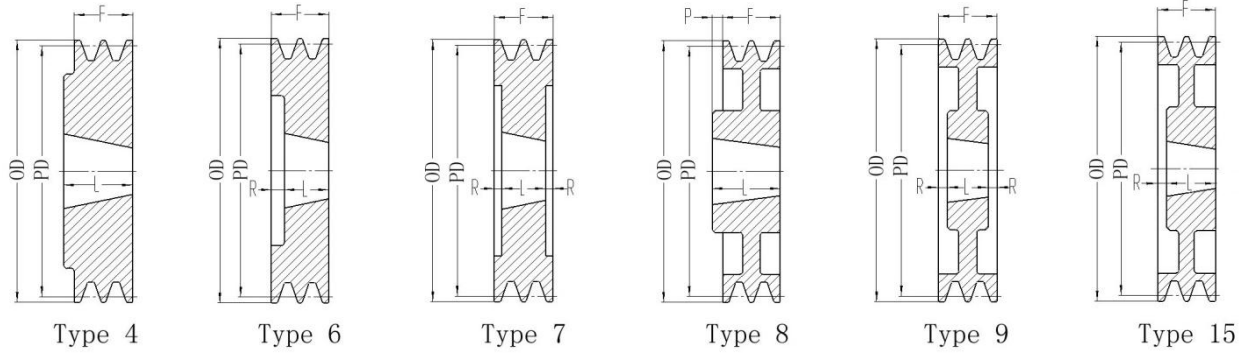


Type 8

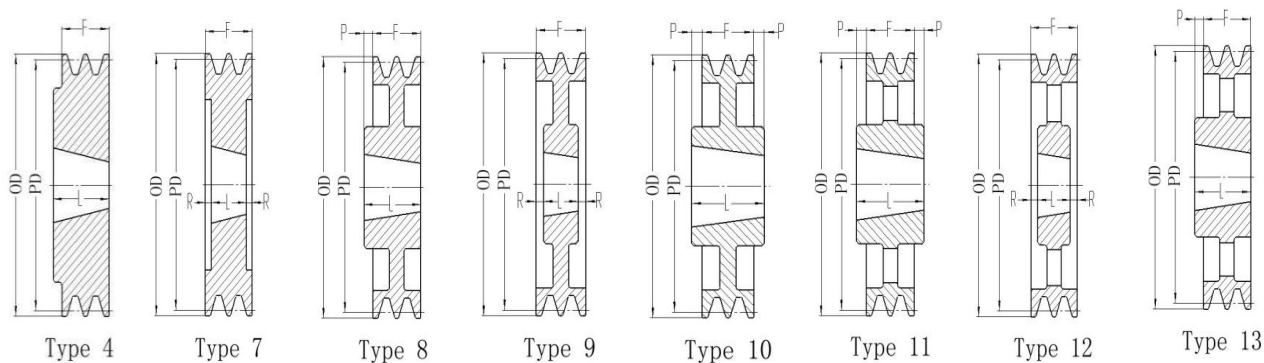


Type 15

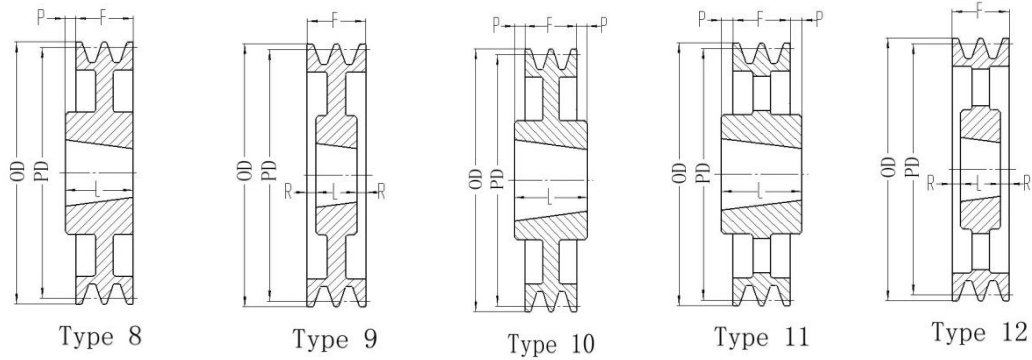
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 140 X 6	140	144	2517	6	76	45	31	—
SPZ 140 X 8	140	144	2517	7	100	45	27.5	—
SPZ 145 X 1	145	149	1610	4	16	25	—	—
SPZ 145 X 2	145	149	2012	4	28	32	—	—
SPZ 145 X 3	145	149	2012	6	40	32	8	—
SPZ 150 X 1	150	154	1610	8	16	25	—	9
SPZ 150 X 2	150	154	2012	4	28	32	—	—
SPZ 150 X 3	150	154	2012	6	40	32	8	—
SPZ 150 X 4	150	154	2517	6	52	45	7	—
SPZ 150 X 5	150	154	2517	6	64	45	19	—
SPZ 150 X 6	150	154	2517	6	76	45	31	—
SPZ 150 X 8	150	154	2517	7	100	45	27.5	—
SPZ 155 X 1	155	159	1610	4	16	25	—	—
SPZ 155 X 2	155	159	2012	4	28	32	—	—
SPZ 155 X 3	155	159	2012	6	40	32	8	—
SPZ 160 X 1	160	164	1610	8	16	25	—	9
SPZ 160 X 2	160	164	2012	8	28	32	—	4
SPZ 160 X 2 — Y	160	164	1610	15	28	25	3	—
SPZ 160 X 3	160	164	2012	6	40	32	8	—
SPZ 160 X 4	160	164	2517	6	52	45	7	—
SPZ 160 X 5	160	164	2517	6	64	45	19	—
SPZ 160 X 6	160	164	2517	6	76	45	31	—
SPZ 160 X 8	160	164	2517	7	100	45	27.5	—
SPZ 165 X 1	165	169	1610	4	16	25	—	—
SPZ 165 X 2	165	169	2012	4	28	32	—	—
SPZ 165 X 3	165	169	2012	7	40	32	4	—
SPZ 170 X 1	170	174	1610	8	16	25	—	9
SPZ 170 X 2	170	174	2012	8	28	32	—	4
SPZ 170 X 3	170	174	2012	7	40	32	4	—
SPZ 170 X 3 — D	170	174	2012	6	40	32	8	—
SPZ 170 X 4	170	174	2517	6	52	45	7	—
SPZ 170 X 5	170	174	2517	6	64	45	19	—
SPZ 170 X 6	170	174	2517	6	76	45	31	—



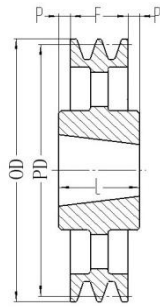
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 175 X 1	175	179	1610	8	16	25		9
SPZ 175 X 2	175	179	2012	8	28	32		4
SPZ 175 X 3	175	179	2012	9	40	32	4	
SPZ 180 X 1	180	184	1610	8	16	25	—	9
SPZ 180 X 1 — D	180	184	1610	4	16	25	—	
SPZ 180 X 2	180	184	2012	8	28	32	—	4
SPZ 180 X 2 — D	180	184	2012	4	28	32	—	
SPZ 180 X 3	180	184	2012	15	40	32	8	—
SPZ 180 X 3 — D	180	184	2012	6	40	32	8	—
SPZ 180 X 3 — Z	180	184	2012	9	40	32	4	—
SPZ 180 X 4	180	184	2517	6	52	45	7	—
SPZ 180 X 4 — Z	180	184	2517	7	52	45	3.5	—
SPZ 180 X 5	180	184	2517	6	64	45	19	—
SPZ 180 X 5 — Z	180	184	2517	7	64	45	9.5	—
SPZ 180 X 6	180	184	2517	7	76	45	15.5	—
SPZ 180 X 6 — D	180	184	2517	6	76	45	31	—
SPZ 180 X 8	180	184	2517	7	100	45	27.5	
SPZ 185 X 1	185	189	1610	8	16	25		9
SPZ 185 X 2	185	189	2012	8	28	32		4
SPZ 185 X 3	185	189	2012	9	40	32	4	
SPZ 190 X 1	190	194	1610	8	16	25	—	9
SPZ 190 X 2	190	194	2012	8	28	32	—	4
SPZ 190 X 3	190	194	2012	9	40	32	4	—
SPZ 190 X 4	190	194	2517	9	52	45	3.5	—
SPZ 190 X 4 — Y	190	194	2012	6	52	32	20	—
SPZ 190 X 5	190	194	2517	9	64	45	9.5	—
SPZ 190 X 6	190	194	2517	9	76	45	15.5	—
SPZ 195 X 1	195	199	2012	8	16	32		16
SPZ 195 X 2	195	199	2012	8	28	32		4
SPZ 195 X 3	195	199	2012	9	40	32	4	
SPZ 200 X 1	200	204	2012	8	16	32	—	16
SPZ 200 X 1 — D	200	204	2012	4	16	32	—	
SPZ 200 X 1 — Y	200	204	1610	8	16	25	—	9
SPZ 200 X 2	200	204	2012	8	28	32	—	4



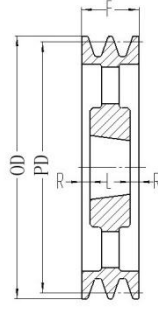
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 200 X 2 — D	200	204	2012	4	28	32	—	—
SPZ 200 X 3	200	204	2012	9	40	32	4	—
SPZ 200 X 4	200	204	2517	9	52	45	3.5	—
SPZ 200 X 5	200	204	2517	9	64	45	9.5	—
SPZ 200 X 6	200	204	2517	9	76	45	15.5	—
SPZ 200 X 8	200	204	3020	7	100	51	24.5	—
SPZ 212 X 1	212	216	2012	8	16	32	—	16
SPZ 212 X 2	212	216	2012	8	28	32	—	4
SPZ 212 X 3	212	216	2012	9	40	32	4	—
SPZ 212 X 4	212	216	2517	9	52	45	3.5	—
SPZ 212 X 5	212	216	2517	9	64	45	9.5	—
SPZ 212 X 6	212	216	2517	9	76	45	15.5	—
SPZ 224 X 1	224	228	2012	13	16	32	—	16
SPZ 224 X 1 — Z	224	228	2012	10	16	32	—	8
SPZ 224 X 2	224	228	2012	13	28	32	—	4
SPZ 224 X 2 — Z	224	228	2012	10	28	32	—	2
SPZ 224 X 3	224	228	2012	9	40	32	4	—
SPZ 224 X 4	224	228	2517	9	52	45	3.5	—
SPZ 224 X 5	224	228	2517	9	64	45	9.5	—
SPZ 224 X 6	224	228	2517	9	76	45	15.5	—
SPZ 224 X 8	224	228	3020	7	100	51	24.5	—
SPZ 236 X 1	236	240	2012	13	16	32	—	16
SPZ 236 X 2	236	240	2012	13	28	32	—	4
SPZ 236 X 3	236	240	2012	9	40	32	4	—
SPZ 236 X 4	236	240	2517	9	52	45	3.5	—
SPZ 250 X 1	250	254	2012	11	16	32	—	8
SPZ 250 X 2	250	254	2012	11	28	32	—	2
SPZ 250 X 3	250	254	2012	12	40	32	4	—
SPZ 250 X 4	250	254	2517	9	52	45	3.5	—
SPZ 250 X 5	250	254	2517	9	64	45	9.5	—
SPZ 250 X 6	250	254	2517	9	76	45	15.5	—
SPZ 265 X 1	265	269	2012	11	16	32	—	8
SPZ 265 X 2	265	269	2517	8	28	45	—	17
SPZ 265 X 3	265	269	2517	8	40	45	—	5



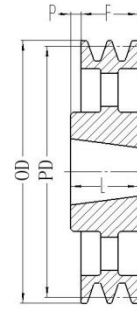
SIZE	PD (mm)	OD (mm)	BUSH No.	TYP E	DIMENSIONS (mm)			
					F	L	R	P
SPZ 265 X 4	265	269	2517	12	52	45	3.5	—
SPZ 265 X 5	265	269	2517	12	64	45	9.5	—
SPZ 280 X 1	280	284	2012	11	16	32	—	8
SPZ 280 X 2	280	284	2012	11	28	32	—	2
SPZ 280 X 3	280	284	2517	11	40	45	—	2.5
SPZ 280 X 3 — Y	280	284	2012	12	40	32	4	—
SPZ 280 X 4	280	284	2517	12	52	45	3.5	—
SPZ 280 X 5	280	284	2517	12	64	45	9.5	—
SPZ 280 X 6	280	284	2517	12	76	45	15.5	—
SPZ 300 X 1	300	304	2012	8	16	32	—	16
SPZ 300 X 2	300	304	2012	8	28	32	—	4
SPZ 300 X 3	300	304	2517	10	40	45	—	2.5
SPZ 300 X 4	300	304	2517	9	52	45	3.5	—
SPZ 300 X 5	300	304	2517	9	64	45	9.5	—
SPZ 315 X 1	315	319	2012	11	16	32	—	8
SPZ 315 X 2	315	319	2012	11	28	32	—	2
SPZ 315 X 3	315	319	2517	11	40	45	—	2.5
SPZ 315 X 4	315	319	2517	12	52	45	3.5	—
SPZ 315 X 5	315	319	2517	12	64	45	9.5	—
SPZ 315 X 6	315	319	2517	12	76	45	15.5	—
SPZ 355 X 1	355	359	2012	11	16	32	—	8
SPZ 355 X 2	355	359	2012	11	28	32	—	2
SPZ 355 X 3	355	359	2517	11	40	45	—	2.5
SPZ 355 X 4	355	359	2517	12	52	45	3.5	—
SPZ 355 X 5	355	359	2517	12	64	45	9.5	—
SPZ 355 X 6	355	359	2517	12	76	45	15.5	—
SPZ 400 X 1	400	404	2012	11	16	32	—	8
SPZ 400 X 2	400	404	2517	11	28	45	—	8.5
SPZ 400 X 3	400	404	2517	11	40	45	—	2.5
SPZ 400 X 4	400	404	2517	12	52	45	3.5	—
SPZ 400 X 5	400	404	3020	12	64	51	6.5	—



Type 11

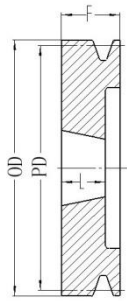


Type 12

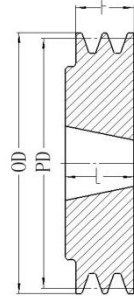


Type 13

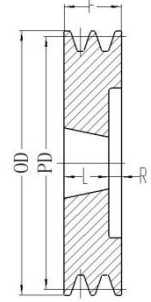
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPZ 400 X 6	400	404	3030	11	76	76	—	0
SPZ 400 X 6 — R	400	404	3020	12	76	51	12.5	—
SPZ 450 X 2	450	454	2517	11	28	45	—	8.5
SPZ 450 X 3	450	454	2517	11	40	45	—	2.5
SPZ 450 X 4	450	454	3020	12	52	51	0.5	—
SPZ 450 X 5	450	454	3020	12	64	51	6.5	—
SPZ 450 X 6	450	454	3030	11	76	76	—	0
SPZ 450 X 6 — R	450	454	3020	12	76	51	12.5	—
SPZ 500 X 2	500	504	2517	11	28	45	—	8.5
SPZ 500 X 3	500	504	2517	11	40	45	—	2.5
SPZ 500 X 4	500	504	3020	12	52	51	0.5	—
SPZ 500 X 5	500	504	3030	11	64	76	—	6
SPZ 500 X 5 — R	500	504	3020	12	64	51	6.5	—
SPZ 500 X 6	500	504	3030	11	76	76	—	0
SPZ 500 X 6 — R	500	504	3020	12	76	51	12.5	—
SPZ 500 X 8	500	504	3535	12	100	89	5.5	—
SPZ 560 X 3	560	564	2517	13	40	45	—	5
SPZ 560 X 4	560	564	3020	12	52	51	0.5	—
SPZ 560 X 5	560	564	3030	11	64	76	—	6
SPZ 630 X 2	630	634	3020	11	28	51	—	11.5
SPZ 630 X 3	630	634	3020	11	40	51	—	5.5
SPZ 630 X 4	630	634	3030	11	52	76	—	12
SPZ 630 X 4 — R	630	634	3020	12	52	51	0.5	—
SPZ 630 X 5	630	634	3030	11	64	76	—	6
SPZ 630 X 6	630	634	3535	11	76	89	—	6.5
SPZ 800 X 3	800	804	3020	11	40	51	—	5.5
SPZ 800 X 4	800	804	3030	11	52	76	—	12



Type 3



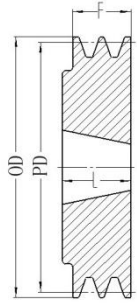
Type 4



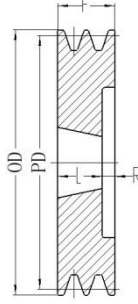
Type 5

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 56 X 2 — ST	56	61.6	1008	3	57	25	32	
SPA 60 X 1 — ST	60	65.6	1008	4	20	42	—	22
SPA 63 X 1	63	68.6	1008	4	20	22	—	
SPA 63 X 1 — ST	63	68.6	1008	4	20	22		
SPA 63 X 1 — D	63	68.6	1108	3	40	22	18	—
SPA 63 X 2	63	68.6	1008	5	35	22	13	—
SPA 63 X 2 — D	63	68.6	1108	3	55	22	33	—
SPA 67 X 1	67	72.6	1108	4	20	22	—	
SPA 67 X 1 — ST	67	72.6	1108	4	20	22		
SPA 67 X 1 — G	67	72.6	1008	4	20	22	—	
SPA 67 X 2	67	72.6	1108	5	35	22	13	—
SPA 67 X 2 — ST	67	72.6	1108	5	35	22	13	
SPA 67 X 2 — G	67	72.6	1008	5	35	22	13	
SPA 71 X 1	71	76.6	1108	4	20	22	—	
SPA 71 X 2	71	76.6	1108	5	35	22	13	—
SPA 71 X 3	71	76.6	1108	5	50	22	28	—
SPA 75 X 1	75	80.6	1108	4	20	22	—	
SPA 75 X 2	75	80.6	1108	5	35	22	13	—
SPA 75 X 2 — ST	75	80.6	1108	5	35	22	13	
SPA 75 X 3	75	80.6	1108	5	50	22	28	—
SPA 80 X 1	80	85.6	1210	4	20	25	—	
SPA 80 X 2	80	85.6	1210	5	35	25	10	—
SPA 80 X 2 — ST	80	85.6	1210	5	35	25	10	
SPA 80 X 3	80	85.6	1210	5	50	25	25	—
SPA 80 X 3 — ST	80	85.6	1210	5	50	25	25	
SPA 80 X 4	80	85.6	1215	5	65	38	27	—
SPA 80 X 4 — R	80	85.6	1210	5	65	25	40	—
SPA 85 X 1	85	90.6	1210	4	20	25	—	
SPA 85 X 1 — ST	85	90.6	1210	4	20	25		
SPA 85 X 2	85	90.6	1210	5	35	25	10	—
SPA 85 X 2 — ST	85	90.6	1210	5	35	25	10	
SPA 85 X 3	85	90.6	1210	5	50	25	25	—
SPA 85 X 3 — ST	85	90.6	1210	5	50	25	25	
SPA 85 X 4	85	90.6	1215	5	65	38	27	—
SPA 85 X 4 — R	85	90.6	1210	5	65	25	40	—

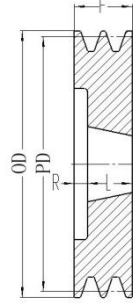
NOTE: MATERIAL FOR ITEMS MARKEND WITH “ST” TO BE STEEL(45#)



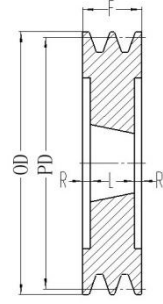
Type 4



Type 5



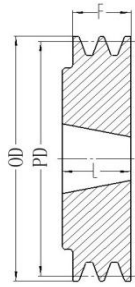
Type 6



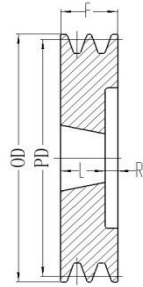
Type 7

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 88 X 1	88	93.6	1210	4	20	25		
SPA 88 X 2	88	93.6	1210	5	35	25	10	
SPA 88 X 3	88	93.6	1210	5	50	25	25	
SPA 90 X 1	90	95.6	1210	4	20	25	—	5
SPA 90 X 2	90	95.6	1610	5	35	25	10	—
SPA 90 X 2 — ST	90	95.6	1610	5	35	25	10	
SPA 90 X 3	90	95.6	1610	5	50	25	25	—
SPA 90 X 3 — ST	90	95.6	1610	5	50	25	25	
SPA 90 X 4 — D	90	95.6	1615	7	65	38	13.5	—
SPA 90 X 4	90	95.6	1615	5	65	38	27	—
SPA 90 X 4 — R	90	95.6	1610	5	65	25	40	—
SPA 90 X 5	90	95.6	1615	5	80	38	42	—
SPA 95 X 1	95	100.6	1210	4	20	25	—	
SPA 95 X 2	95	100.6	1610	5	35	25	10	—
SPA 95 X 3	95	100.6	1610	5	50	25	25	—
SPA 95 X 3 — ST	95	100.6	1610	5	50	25	25	
SPA 95 X 4	95	100.6	1615	5	65	38	27	—
SPA 95 X 4 — D	95	100.6	1615	7	65	38	13.5	—
SPA 95 X 4 — Y	95	100.6	1610	5	65	25	40	—
SPA 95 X 5	95	100.6	1615	5	80	38	42	—
SPA 100 X 1	100	105.6	1610	4	20	25	—	
SPA 100 X 2	100	105.6	1610	5	35	25	10	—
SPA 100 X 2 — Y	100	105.6	1610	6	35	25	10	—
SPA 100 X 3	100	105.6	1610	6	50	25	25	—
SPA 100 X 4	100	105.6	1615	6	65	38	27	—
SPA 100 X 4 — Y	100	105.6	1610	6	65	25	40	—
SPA 100 X 5	100	105.6	1615	6	80	38	42	—
SPA 100 X 5 — T	100	105.6	1610	5	80	25	55	—
SPA 100 X 5 — Y	100	105.6	1610	6	80	25	55	—
SPA 100 X 5 — Z	100	105.6	1615	5	80	38	42	—
SPA 100 X 6	100	105.6	1610	7	95	25	35	—
SPA 100 X 6 — D	100	105.6	1615	7	95	38	28.5	—
SPA 103 X 1	103	108.6	1610	4	20	25		
SPA 103 X 2	103	108.6	1610	6	35	25	10	
SPA 103 X 3	103	108.6	1610	6	50	25	25	

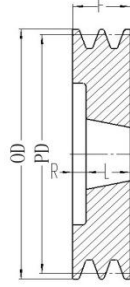
NOTE: MATERIAL FOR ITEMS MARKEND WITH “ST” TO BE STEEL(45#)



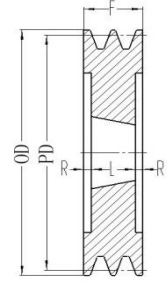
Type 4



Type 5



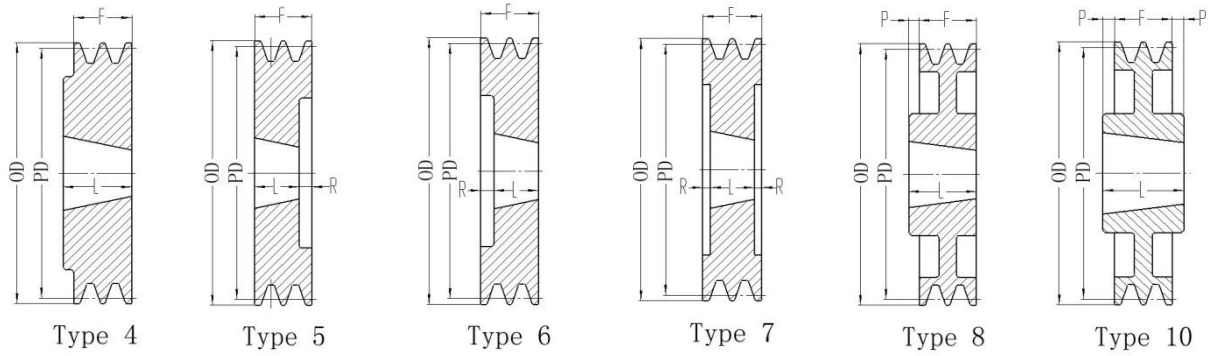
Type 6



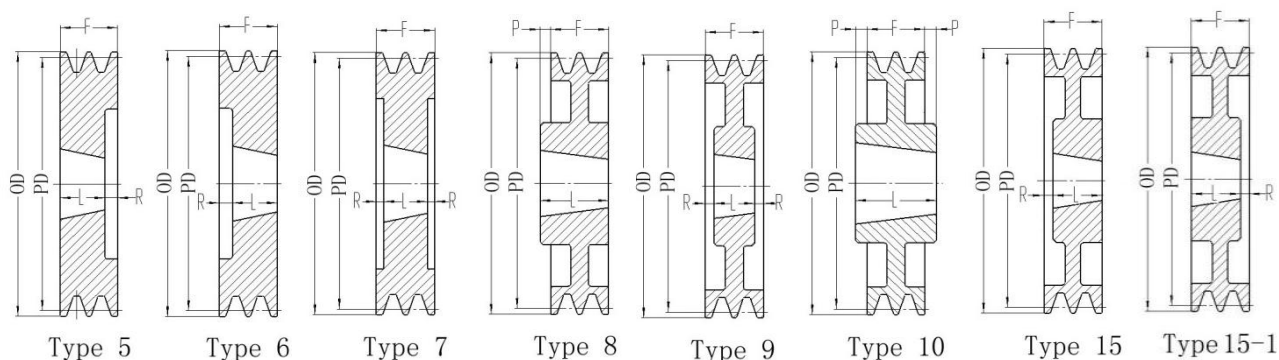
Type 7

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 106 X 1	106	111.6	1610	4	20	25	—	—
SPA 106 X 2	106	111.6	1610	5	35	25	10	—
SPA 106 X 2 — Y	106	111.6	1610	6	35	25	10	—
SPA 106 X 3	106	111.6	1610	6	50	25	25	—
SPA 106 X 4	106	111.6	2012	5	65	32	33	—
SPA 106 X 4 — ST	106	111.6	2012	5	65	32	33	—
SPA 106 X 4 — Y	106	111.6	1615	6	65	38	27	—
SPA 106 X 5	106	111.6	2012	5	80	32	48	—
SPA 106 X 5 — ST	106	111.6	2012	5	80	32	48	—
SPA 106 X 6	106	111.6	2012	5	95	32	63	—
SPA 112 X 1	112	117.6	1610	4	20	25	—	—
SPA 112 X 2	112	117.6	1610	5	35	25	10	—
SPA 112 X 3	112	117.6	2012	5	50	32	18	—
SPA 112 X 4	112	117.6	2012	5	65	32	33	—
SPA 112 X 5	112	117.6	2012	5	80	32	48	—
SPA 112 X 6	112	117.6	2012	5	95	32	63	—
SPA 115 X 1	115	120.6	1610	4	20	25	—	—
SPA 115 X 2	115	120.6	1610	5	35	25	10	—
SPA 115 X 3	115	120.6	2012	5	50	25	25	—
SPA 118 X 1	118	123.6	1610	4	20	25	—	—
SPA 118 X 2	118	123.6	1610	5	35	25	10	—
SPA 118 X 3	118	123.6	2012	6	50	32	18	—
SPA 118 X 4	118	123.6	2012	6	65	32	33	—
SPA 118 X 5	118	123.6	2012	6	80	32	48	—
SPA 118 X 6	118	123.6	2012	5	95	32	63	—
SPA 125 X 1	125	130.6	1610	4	20	25	—	—
SPA 125 X 2	125	130.6	1610	5	35	25	10	—
SPA 125 X 2 — Z	125	130.6	1610	6	35	25	10	—
SPA 125 X 3	125	130.6	2012	6	50	32	18	—
SPA 125 X 4	125	130.6	2012	6	65	32	33	—
SPA 125 X 5	125	130.6	2012	7	80	32	24	—
SPA 125 X 5 — Z	125	130.6	2012	6	80	32	48	—
SPA 125 X 6	125	130.6	2012	7	95	32	31.5	—

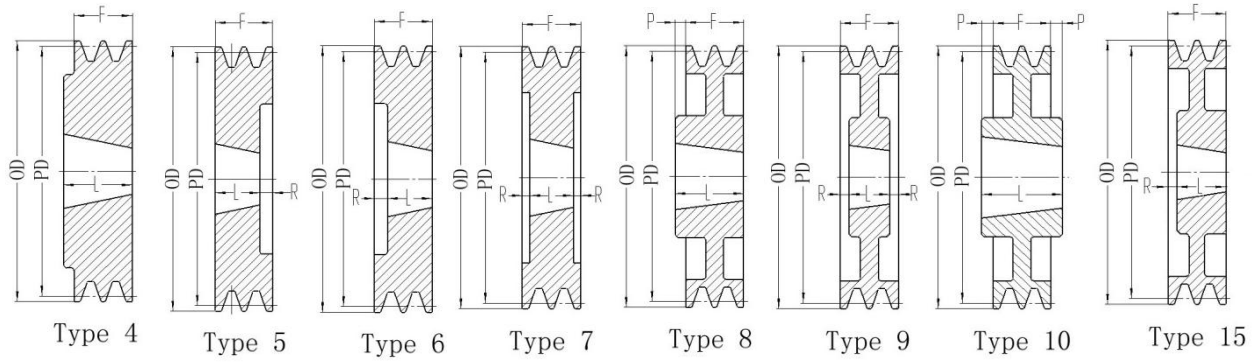
NOTE: MATERIAL FOR ITEMS MARKEND WITH “ST” TO BE STEEL(45#)



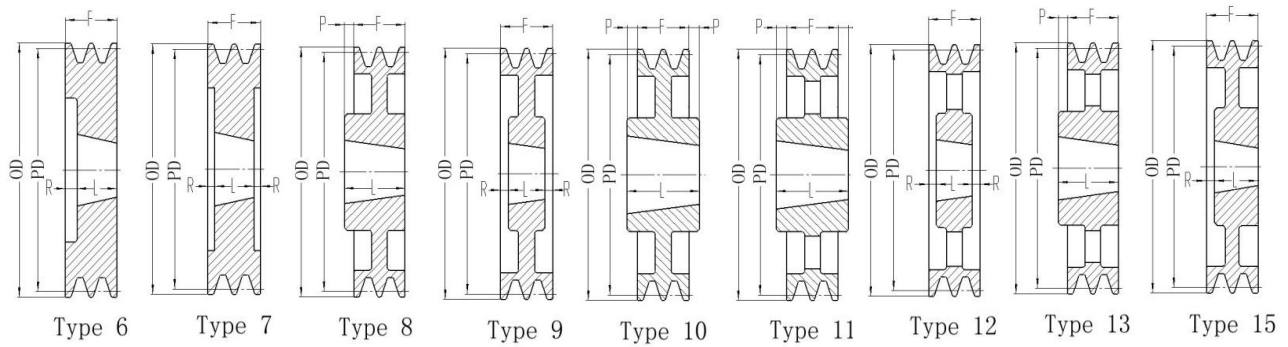
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 132 X 1	132	137.6	1610	4	20	25	—	—
SPA 132 X 2	132	137.6	2012	5	35	32	3	—
SPA 132 X 2 — Z	132	137.6	2012	6	35	32	3	—
SPA 132 X 3	132	137.6	2012	6	50	32	18	—
SPA 132 X 4	132	137.6	2517	6	65	45	20	—
SPA 132 X 5	132	137.6	2517	7	80	45	17.5	—
SPA 132 X 5 — Z	132	137.6	2517	6	80	45	35	—
SPA 132 X 6	132	137.6	2517	7	95	45	25	—
SPA 140 X 1	140	145.6	1610	4	20	25	—	—
SPA 140 X 2	140	145.6	2012	5	35	32	3	—
SPA 140 X 2 — Z	140	145.6	2012	6	35	32	3	—
SPA 140 X 3	140	145.6	2517	5	50	45	5	—
SPA 140 X 3 — Z	140	145.6	2517	6	50	45	5	—
SPA 140 X 4	140	145.6	2517	6	65	45	20	—
SPA 140 X 4 — Y	140	145.6	2012	6	65	32	33	—
SPA 140 X 5	140	145.6	2517	7	80	45	17.5	—
SPA 140 X 5 — Z	140	145.6	2517	6	80	45	35	—
SPA 140 X 6	140	145.6	2517	7	95	45	25	—
SPA 145 X 1 — G	145	150.6	1610	8	20	25	—	5
SPA 145 X 2 — G	145	150.6	2012	6	35	25	10	—
SPA 145 X 3 — G	145	150.6	2517	6	50	45	5	—
SPA 145 X 4	145	150.6	2517	6	65	45	20	—
SPA 150 X 1	150	155.6	1610	8	20	25	—	5
SPA 150 X 2	150	155.6	2012	5	35	32	3	—
SPA 150 X 2 — Z	150	155.6	2012	6	35	32	3	—
SPA 150 X 3	150	155.6	2517	5	50	45	5	—
SPA 150 X 3 — Z	150	155.6	2517	6	50	45	5	—
SPA 150 X 4	150	155.6	2517	6	65	45	20	—
SPA 150 X 5	150	155.6	2517	7	80	45	17.5	—
SPA 150 X 5 — Z	150	155.6	2517	6	80	45	35	—
SPA 150 X 6	150	155.6	2517	7	95	45	25	—
SPA 155 X 1 — G	155	160.6	1610	8	20	25	—	5
SPA 155 X 2 — G	155	160.6	2012	6	35	25	10	—
SPA 155 X 3 — G	155	160.6	2517	6	50	45	5	—
SPA 155 X 4	155	160.6	2517	6	65	45	20	—
SPA 155 X 5	155	160.6	2517	7	80	45	17.5	—



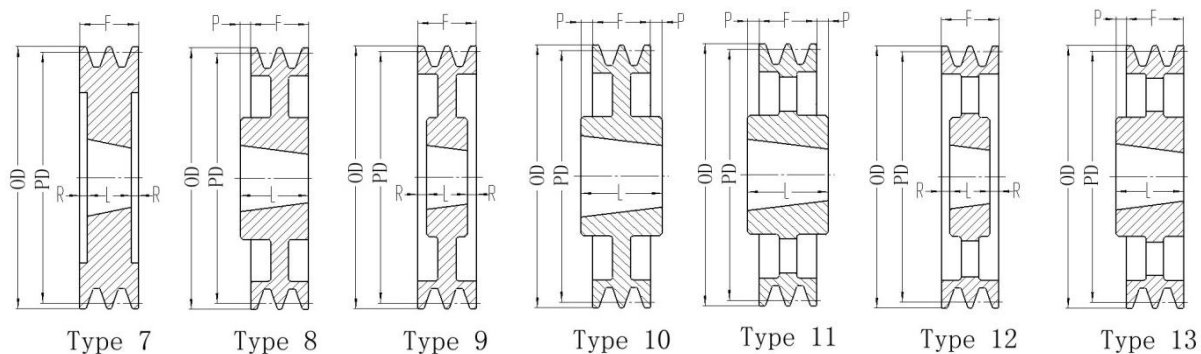
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 160 X 1	160	165.6	1610	8	20	25	—	5
SPA 160 X 1 — G	160	165.6	1610	10	20	25	—	2.5
SPA 160 X 2	160	165.6	2012	5	35	32	3	—
SPA 160 X 2 — Z	160	165.6	2012	6	35	32	3	—
SPA 160 X 3	160	165.6	2517	5	50	45	5	—
SPA 160 X 3 — Z	160	165.6	2517	6	50	45	5	—
SPA 160 X 4	160	165.6	2517	6	65	45	20	—
SPA 160 X 5	160	165.6	2517	7	80	45	17.5	—
SPA 160 X 5 — Z	160	165.6	2517	6	80	45	35	—
SPA 160 X 6	160	165.6	2517	7	95	45	25	—
SPA 165 X 1	165	170.6	1610	8	20	25	—	5
SPA 165 X 2	165	170.6	2012	5	35	32	3	—
SPA 165 X 3	165	170.6	2517	5	50	45	5	—
SPA 170 X 1	170	175.6	1610	8	20	25	—	5
SPA 170 X 1 — D	170	175.6	1610	10	20	25	—	2.5
SPA 170 X 2	170	175.6	2012	15-1	35	32	3	—
SPA 170 X 2 — Z	170	175.6	2012	15	35	32	3	—
SPA 170 X 3	170	175.6	2517	5	50	45	5	—
SPA 170 X 3 — Z	170	175.6	2517	6	50	45	5	—
SPA 170 X 4	170	175.6	2517	6	65	45	20	—
SPA 170 X 5	170	175.6	2517	7	80	45	17.5	—
SPA 170 X 5 — Y	170	175.6	3020	7	80	51	14.5	—
SPA 170 X 6	170	175.6	2517	7	95	45	25	—
SPA 175 X 1 — G	175	180.6	1610	8	20	25	—	5
SPA 175 X 2 — G	175	180.6	2012	15	35	32	3	—
SPA 175 X 3 — G	175	180.6	2517	6	50	45	5	—
SPA 175 X 4	175	180.6	2517	6	65	45	20	—
SPA 180 X 1	180	185.6	1610	8	20	25	—	5
SPA 180 X 1 — D	180	185.6	1610	10	20	25	—	2.5
SPA 180 X 1 — Y	180	185.6	1610	4	20	25	—	—
SPA 180 X 2	180	185.6	2012	9	35	32	1.5	—
SPA 180 X 3	180	185.6	2517	5	50	45	5	—
SPA 180 X 3 — Z	180	185.6	2517	6	50	45	5	—
SPA 180 X 3 — Y	180	185.6	2012	9	50	32	9	—
SPA 180 X 4	180	185.6	2517	6	65	45	20	—



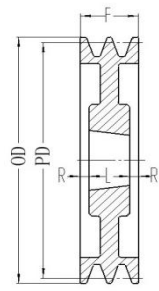
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 180 X 5	180	185.6	3020	7	80	51	14.5	—
SPA 180 X 5 — Z	180	185.6	3020	6	80	51	29	—
SPA 180 X 6	180	185.6	3020	7	95	51	22	—
SPA 185 X 1	185	190.6	1610	8	20	25		5
SPA 185 X 2	185	190.6	2012	9	35	32	1.5	
SPA 185 X 3	185	190.6	2517	5	50	45	5	
SPA 190 X 1	190	195.6	1610	8	20	25	—	5
SPA 190 X 1 — D	190	195.6	1610	4	20	25	—	
SPA 190 X 1 — Z	190	195.6	1610	10	20	25	—	2.5
SPA 190 X 2	190	195.6	2012	15	35	32	3	—
SPA 190 X 2 — D	190	195.6	2012	9	35	32	1.5	—
SPA 190 X 2 — Y	190	195.6	2517	8	35	45	—	10
SPA 190 X 3	190	195.6	2517	5	50	45	5	—
SPA 190 X 3 — Z	190	195.6	2517	6	50	45	5	—
SPA 190 X 4	190	195.6	2517	6	65	45	20	—
SPA 190 X 5	190	195.6	3020	6	80	51	29	—
SPA 190 X 6	190	195.6	3020	7	95	51	22	—
SPA 195 X 1	195	200.6	2012	8	20	32		12
SPA 195 X 2	195	200.6	2517	10	35	45		5
SPA 195 X 3	195	200.6	2517	9	50	45	2.5	
SPA 200 X 1	200	205.6	2012	8	20	32	—	12
SPA 200 X 1 — Z	200	205.6	2012	10	20	32	—	6
SPA 200 X 2	200	205.6	2517	10	35	45	—	5
SPA 200 X 2 — Y	200	205.6	2012	15	35	32	3	—
SPA 200 X 3	200	205.6	2517	9	50	45	2.5	—
SPA 200 X 4	200	205.6	3020	6	65	51	14	—
SPA 200 X 5	200	205.6	3020	7	80	51	14.5	—
SPA 200 X 6	200	205.6	3020	7	95	51	22	—
SPA 205 X 1	205	210.6	2012	8	20	32		12
SPA 205 X 2	205	210.6	2517	10	35	45		5
SPA 205 X 3	205	210.6	2517	9	50	45	2.5	
SPA 212 X 1	212	217.6	2012	8	20	32	—	12
SPA 212 X 2	212	217.6	2517	8	35	45	—	10
SPA 212 X 3	212	217.6	2517	9	50	45	2.5	—
SPA 212 X 4	212	217.6	3020	6	65	51	14	—



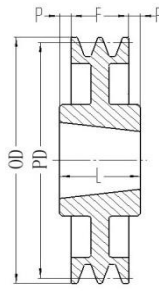
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 212 X 5	212	217.6	3020	6	80	51	29	—
SPA 212 X 6	212	217.6	3020	7	95	51	22	—
SPA 215 X 1	215	220.6	2012	8	20	32		12
SPA 215 X 2	215	220.6	2517	8	35	45		10
SPA 215 X 3	215	220.6	2517	9	50	45	2.5	
SPA 224 X 1	224	229.6	2012	13	20	32	—	12
SPA 224 X 1 — Z	224	229.6	2012	11	20	32	—	6
SPA 224 X 2 — Y	224	229.6	2012	15	35	32	3	—
SPA 224 X 2 — Z	224	229.6	2517	10	35	45	—	5
SPA 224 X 2	224	229.6	2517	13	35	45	—	10
SPA 224 X 3	224	229.6	2517	12	50	45	2.5	—
SPA 224 X 4	224	229.6	3020	6	65	51	14	—
SPA 224 X 5	224	229.6	3020	6	80	51	29	—
SPA 224 X 6	224	229.6	3020	7	95	51	22	—
SPA 230 X 1	230	235.6	2012	8	20	32		12
SPA 230 X 2	230	235.6	2517	8	35	45		10
SPA 230 X 3	230	235.6	2517	9	50	45	2.5	
SPA 236 X 1	236	241.6	2012	13	20	32	—	12
SPA 236 X 2	236	241.6	2517	13	35	45	—	10
SPA 236 X 3	236	241.6	2517	12	50	45	2.5	—
SPA 236 X 4	236	241.6	3020	9	65	51	7	—
SPA 236 X 5	236	241.6	3020	9	80	51	14.5	—
SPA 236 X 6	236	241.6	3020	9	95	51	22	—
SPA 243 X 1	243	248.6	2012	10	20	32		6
SPA 243 X 2	243	248.6	2517	10	35	45		5
SPA 243 X 3	243	248.6	2517	9	50	45	2.5	
SPA 250 X 1	250	255.6	2012	11	20	32	—	6
SPA 250 X 2	250	255.6	2517	11	35	45	—	5
SPA 250 X 3	250	255.6	2517	12	50	45	2.5	—
SPA 250 X 3 — Y	250	255.6	2012	9	50	32	9	—
SPA 250 X 4	250	255.6	3020	9	65	51	7	—
SPA 250 X 5	250	255.6	3020	9	80	51	14.5	—
SPA 250 X 6	250	255.6	3020	9	95	51	22	—
SPA 258 X 1	258	263.6	2012	10	20	32		6
SPA 258 X 2	258	263.6	2517	10	35	45		5



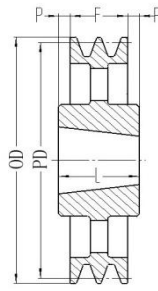
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 258 X 3	258	263.6	2517	9	50	45	2.5	
SPA 265 X 1 — G	265	270.6	2012	11	20	32	—	6
SPA 265 X 2 — G	265	270.6	2517	11	35	45	—	5
SPA 265 X 3 — G	265	270.6	2517	12	50	45	2.5	—
SPA 265 X 4	265	270.6	3020	9	65	51	7	—
SPA 265 X 5	265	270.6	3020	9	80	51	14.5	—
SPA 265 X 6	265	270.6	3535	7	95	89	3	—
SPA 273 X 1	273	278.6	2012	8	20	32		12
SPA 273 X 2	273	278.6	2517	8	35	45		10
SPA 273 X 3	273	278.6	2517	9	50	45	2.5	
SPA 280 X 1	280	285.6	2012	13	20	32	—	12
SPA 280 X 1 — Z	280	285.6	2012	11	20	32	—	6
SPA 280 X 2	280	285.6	2517	13	35	45	—	10
SPA 280 X 2 — Z	280	285.6	2517	11	35	45	—	5
SPA 280 X 3	280	285.6	2517	12	50	45	2.5	—
SPA 280 X 4	280	285.6	3020	12	65	51	7	—
SPA 280 X 5	280	285.6	3535	10	80	89	—	4.5
SPA 280 X 5 — R	280	285.6	3525	9	80	65	7.5	—
SPA 280 X 6	280	285.6	3535	9	95	89	3	—
SPA 280 X 6 — R	280	285.6	3525	9	95	65	15	—
SPA 300 X 1	300	305.6	2012	13	20	32	—	12
SPA 300 X 1 — G	300	305.6	2012	11	20	32	—	6
SPA 300 X 2	300	305.6	2517	13	35	45	—	10
SPA 300 X 2 — G	300	305.6	2517	11	35	45	—	5
SPA 300 X 3 — Y	300	305.6	2517	9	50	45	2.5	—
SPA 300 X 3	300	305.6	3020	13	50	51	—	1
SPA 300 X 3 — G	300	305.6	2517	12	50	45	2.5	—
SPA 300 X 4	300	305.6	3020	12	65	51	7	—
SPA 300 X 5	300	305.6	3535	8	80	89	—	9
SPA 300 X 5 — R	300	305.6	3525	9	80	65	7.5	—
SPA 300 X 6	300	305.6	3535	9	95	89	3	—
SPA 300 X 6 — R	300	305.6	3525	9	95	65	15	—
SPA 315 X 1	315	320.6	2012	13	20	32	—	12
SPA 315 X 1 — Z	315	320.6	2012	11	20	32	—	6
SPA 315 X 2	315	320.6	2517	13	35	45	—	10



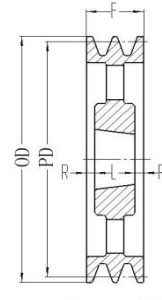
Type 9



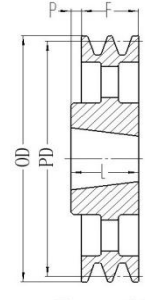
Type 10



Type 11

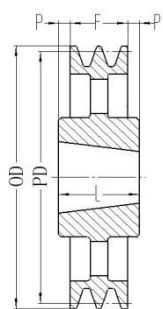


Type 12

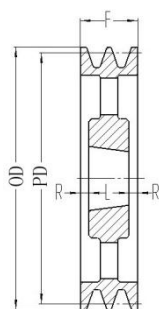


Type 13

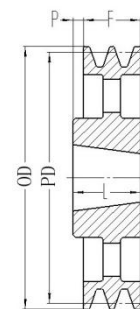
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 315 X 2 — Z	315	320.6	2517	11	35	45	—	5
SPA 315 X 3	315	320.6	3020	11	50	51	—	0.5
SPA 315 X 4	315	320.6	3020	12	65	51	7	—
SPA 315 X 4 — Y	315	320.6	3535	10	65	89	—	12
SPA 315 X 5	315	320.6	3535	10	80	89	—	4.5
SPA 315 X 5 — R	315	320.6	3525	9	80	65	7.5	—
SPA 315 X 6	315	320.6	3535	9	95	89	3	—
SPA 315 X 6 — R	315	320.6	3525	9	95	65	15	—
SPA 325 X 1 — G	325	330.6	2012	11	20	32	—	6
SPA 325 X 2 — G	325	330.6	2517	11	35	45	—	5
SPA 325 X 3 — G	325	330.6	3020	11	50	51	—	0.5
SPA 335 X 1	335	340.6	2517	11	20	45	—	12.5
SPA 335 X 2	335	340.6	2517	11	35	45	—	5
SPA 335 X 3	335	340.6	3020	11	50	51	—	0.5
SPA 335 X 4	335	340.6	3020	12	65	51	7	—
SPA 335 X 5	335	340.6	3535	10	80	89	—	4.5
SPA 340 X 1 — G	340	345.6	2012	11	20	32	—	6
SPA 340 X 2 — G	340	345.6	2517	11	35	45	—	5
SPA 340 X 3 — G	340	345.6	3020	11	50	51	—	0.5
SPA 340 X 4 — G	340	345.6	3020	12	65	51	7	—
SPA 355 X 1	355	360.6	2012	13	20	32	—	12
SPA 355 X 1 — Z	355	360.6	2012	11	20	32	—	6
SPA 355 X 2	355	360.6	2517	13	35	45	—	10
SPA 355 X 2 — Z	355	360.6	2517	11	35	45	—	5
SPA 355 X 3	355	360.6	3020	11	50	51	—	0.5
SPA 355 X 4	355	360.6	3020	12	65	51	7	—
SPA 355 X 5	355	360.6	3535	11	80	89	—	4.5
SPA 355 X 5 — R	355	360.6	3525	12	80	65	7.5	—
SPA 355 X 6	355	360.6	3535	12	95	89	3	—
SPA 355 X 6 — R	355	360.6	3525	12	95	65	15	—
SPA 375 X 1 — G	375	380.6	2012	11	20	32	—	6
SPA 375 X 2 — G	375	380.6	2517	11	35	45	—	5
SPA 375 X 3 — G	375	380.6	3020	11	50	51	—	0.5
SPA 375 X 4	375	380.6	3020	12	65	51	7	—
SPA 375 X 5	375	380.6	3535	11	80	89	—	4.5
SPA 400 X 1	400	405.6	2012	13	20	32	—	12



Type 11

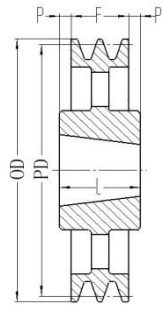


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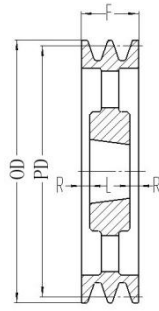


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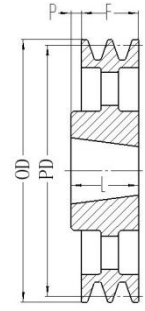
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 400 X 2	400	405.6	2517	13	35	45	—	10
SPA 400 X 2 — Z	400	405.6	2517	11	35	45	—	5
SPA 400 X 3	400	405.6	3020	13	50	51	—	1
SPA 400 X 4	400	405.6	3020	12	65	51	7	—
SPA 400 X 5	400	405.6	3535	11	80	89	—	4.5
SPA 400 X 5 — R	400	405.6	3525	12	80	65	7.5	—
SPA 400 X 6	400	405.6	3535	12	95	89	3	—
SPA 400 X 6 — R	400	405.6	3525	12	95	65	15	—
SPA 425 X 1 — G	425	430.6	2517	11	20	45	—	12.5
SPA 425 X 2 — G	425	430.6	2517	11	35	45	—	5
SPA 425 X 3	425	430.6	3020	13	50	51	—	1
SPA 425 X 4	425	430.6	3020	12	65	51	7	—
SPA 425 X 5	425	430.6	3535	11	80	89	—	4.5
SPA 425 X 6	425	430.6	3535	12	95	89	3	—
SPA 450 X 1	450	455.6	2012	13	20	32	—	12
SPA 450 X 2	450	455.6	2517	13	35	45	—	10
SPA 450 X 2 — Z	450	455.6	2517	11	35	45	—	5
SPA 450 X 3	450	455.6	3020	13	50	51	—	1
SPA 450 X 4	450	455.6	3020	12	65	51	7	—
SPA 450 X 5	450	455.6	3535	11	80	89	—	4.5
SPA 450 X 5 — R	450	455.6	3525	12	80	65	7.5	—
SPA 450 X 6	450	455.6	3535	12	95	89	3	—
SPA 450 X 6 — R	450	455.6	3525	12	95	65	15	—
SPA 475 X 2	475	480.6	2517	13	35	45	—	10
SPA 475 X 3	475	480.6	3020	13	50	51	—	1
SPA 475 X 4	475	480.6	3020	12	65	51	7	—
SPA 475 X 5 — R	475	480.6	3525	12	80	65	7.5	—
SPA 500 X 1	500	505.6	2517	13	20	45	—	25
SPA 500 X 2	500	505.6	2517	13	35	45	—	10
SPA 500 X 2 — Z	500	505.6	2517	11	35	45	—	5
SPA 500 X 3	500	505.6	3020	13	50	51	—	1
SPA 500 X 4	500	505.6	3020	12	65	51	7	—
SPA 500 X 5	500	505.6	3535	11	80	89	—	4.5
SPA 500 X 5 — R	500	505.6	3525	12	80	65	7.5	—



Type 11

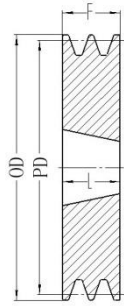


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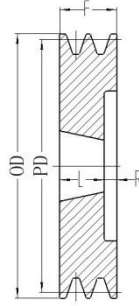


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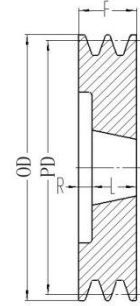
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPA 500 X 6	500	505.6	3535	12	95	89	3	—
SPA 500 X 6 — R	500	505.6	3525	12	95	65	15	—
SPA 560 X 1	560	565.6	2517	11	20	45	—	12.5
SPA 560 X 2	560	565.6	3020	13	35	51	—	16
SPA 560 X 3	560	565.6	3020	13	50	51	—	1
SPA 560 X 4	560	565.6	3535	11	65	89	—	12
SPA 560 X 4 — R	560	565.6	3525	12	65	65	0	—
SPA 560 X 5	560	565.6	3535	11	80	89	—	4.5
SPA 560 X 6	560	565.6	3535	12	95	89	3	—
SPA 630 X 1	630	635.6	2517	11	20	45	—	12.5
SPA 630 X 2	630	635.6	3020	11	35	51	—	8
SPA 630 X 3	630	635.6	3020	13	50	51	—	1
SPA 630 X 4	630	635.6	3535	11	65	89	—	12
SPA 630 X 4 — R	630	635.6	3525	12	65	65	0	—
SPA 630 X 5	630	635.6	3535	11	80	89	—	4.5
SPA 630 X 5 — R	630	635.6	3525	12	80	65	7.5	—
SPA 630 X 6	630	635.6	4040	11	95	102	—	3.5
SPA 630 X 6 — R	630	635.6	4030	12	95	76	9.5	—
SPA 800 X 2	800	805.6	3535	11	35	89	—	27
SPA 800 X 3	800	805.6	3535	11	50	89	—	19.5
SPA 800 X 3 — R	800	805.6	3525	11	50	65	—	7.5
SPA 800 X 4	800	805.6	3535	11	65	89	—	12
SPA 800 X 4 — R	800	805.6	3525	12	65	65	0	—
SPA 800 X 5	800	805.6	4040	11	80	102	—	11
SPA 800 X 5 — R	800	805.6	4030	12	80	76	2	—
SPA 800 X 6	800	805.6	4040	11	95	102	—	3.5
SPA 800 X 6 — R	800	805.6	4030	12	95	76	9.5	—
SPA 900 X 3	900	905.6	3535	11	50	89	—	19.5
SPA 900 X 4	900	905.6	3535	11	65	89	—	12
SPA 900 X 5	900	905.6	4040	11	80	102	—	11
SPA 900 X 6	900	905.6	4040	11	95	102	—	3.5
SPA 1000 X 3	1000	1005.6	3535	11	50	89	—	19.5
SPA 1000 X 4	1000	1005.6	4040	11	65	102	—	18.5
SPA 1000 X 5	1000	1005.6	4545	11	80	114	—	17
SPA 1000 X 6	1000	1005.6	4545	11	95	114	—	9.5



Type 1

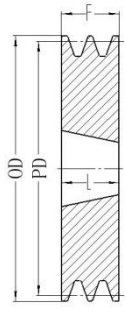


Type 5

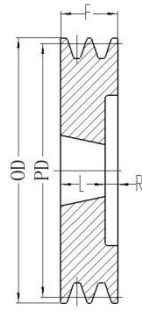


Type 6

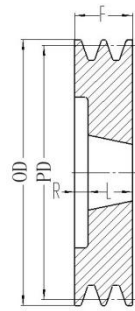
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 80 X 1	80	87	1108	5	25	22	3	
SPB 80 X 2	80	87	1108	5	44	22	22	
SPB 85 X 1	85	92	1108	5	25	22	3	
SPB 85 X 2	85	92	1108	5	44	22	22	
SPB 90 X 1	90	97	1210	1	25	25		
SPB 90 X 2	90	97	1108	5	44	22	22	
SPB 90 X 3	90	97	1210	5	63	25	38	
SPB 95 X 1	95	102	1210	1	25	25		
SPB 95 X 2	95	102	1210	5	44	25	19	
SPB 95 X 3	95	102	1210	5	63	25	38	
SPB 100 X 1	100	107	1610	1	25	25		
SPB 100 X 2	100	107	1610	5	44	25	19	
SPB 100 X 3	100	107	1610	5	63	25	38	
SPB 100 X 4	100	107	1615	5	82	38	44	
SPB 100 X 4 — Y	100	107	1610	5	82	25	57	
SPB 106 X 1	106	113	1610	1	25	25		
SPB 106 X 2	106	113	1610	5	44	25	19	
SPB 106 X 3	106	113	1610	5	63	25	38	
SPB 106 X 4	106	113	1615	5	82	38	44	
SPB 112 X 1	112	119	1610	1	25	25		
SPB 112 X 2	112	119	1610	5	44	25	19	
SPB 112 X 2 — D	112	119	1610	6	44	25	19	
SPB 112 X 2 — Y	112	119	2012	5	44	32	12	
SPB 112 X 3	112	119	1610	5	63	25	38	
SPB 112 X 3 — D	112	119	1610	6	63	25	38	
SPB 112 X 3 — Y	112	119	2012	5	63	32	31	
SPB 112 X 4	112	119	2012	5	82	32	50	
SPB 118 X 1	118	125	1610	1	25	25		
SPB 118 X 2	118	125	1610	6	44	25	19	
SPB 118 X 2 — G	118	125	2012	5	44	32	12	
SPB 118 X 2 — Z	118	125	1610	5	44	25	19	
SPB 118 X 3	118	125	1610	6	63	25	38	
SPB 118 X 3 — Z	118	125	1610	5	63	25	38	
SPB 118 X 3 — Y	118	125	2012	5	63	32	31	
SPB 118 X 4	118	125	2012	5	82	32	50	



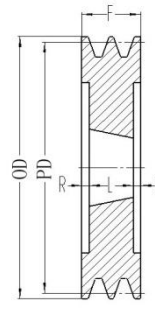
Type 1



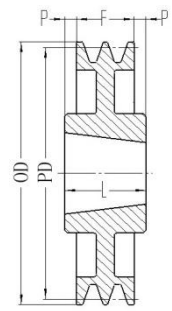
Type 5



Type 6

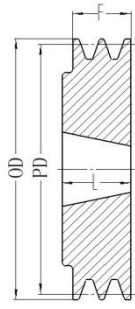


Type 7

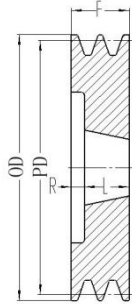


Type 10

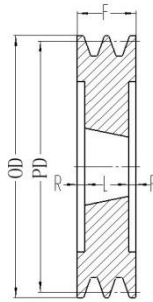
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 125 X 1	125	132	1610	1	25	25		
SPB 125 X 2	125	132	2012	6	44	32	12	
SPB 125 X 3	125	132	2012	6	63	32	31	
SPB 125 X 4	125	132	2012	7	82	32	25	
SPB 125 X 5	125	132	2012	5	101	32	69	
SPB 132 X 1	132	139	1610	1	25	25		
SPB 132 X 2	132	139	2012	6	44	32	12	
SPB 132 X 3	132	139	2012	6	63	32	31	
SPB 132 X 4	132	139	2012	7	82	32	25	
SPB 132 X 5	132	139	2517	5	101	45	56	
SPB 132 X 5 — Z	132	139	2012	7	101	32	34.5	
SPB 132 X 6	132	139	2012	7	120	32	44	
SPB 140 X 1	140	147	1610	1	25	25		
SPB 140 X 2	140	147	2012	6	44	32	12	
SPB 140 X 3	140	147	2012	6	63	32	31	
SPB 140 X 3 — Y	140	147	2517	6	63	45	18	
SPB 140 X 4	140	147	2517	7	82	45	18.5	
SPB 140 X 4 — Z	140	147	2517	6	82	45	37	
SPB 140 X 5	140	147	2517	7	101	45	28	
SPB 140 X 5 — Z	140	147	2517	6	101	45	56	
SPB 140 X 6	140	147	2517	7	120	45	37.5	
SPB 140 X 8	140	147	2517	7	158	45	56.5	
SPB 145 X 1	145	152	1610	1	25	25		
SPB 145 X 2	145	152	2012	6	44	32	12	
SPB 145 X 3	145	152	2012	6	63	32	31	
SPB 145 X 4	145	152	2517	7	82	45	18.5	
SPB 145 X 6	145	152	2517	7	120	45	37.5	
SPB 150 X 1	150	157	1610	10	25	25		0
SPB 150 X 2	150	157	2012	6	44	32	12	
SPB 150 X 3	150	157	2517	6	63	45	18	
SPB 150 X 4	150	157	2517	7	82	45	18.5	
SPB 150 X 4 — Z	150	157	2517	6	82	45	37	
SPB 150 X 5	150	157	2517	7	101	45	28	
SPB 150 X 6	150	157	2517	7	120	45	37.5	



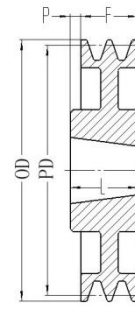
Type 4



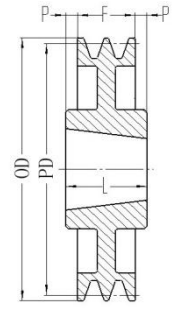
Type 6



Type 7

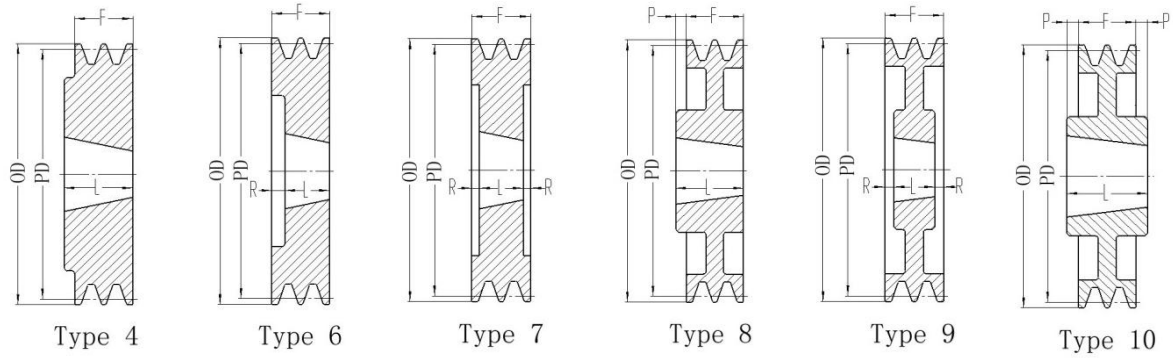


Type 8

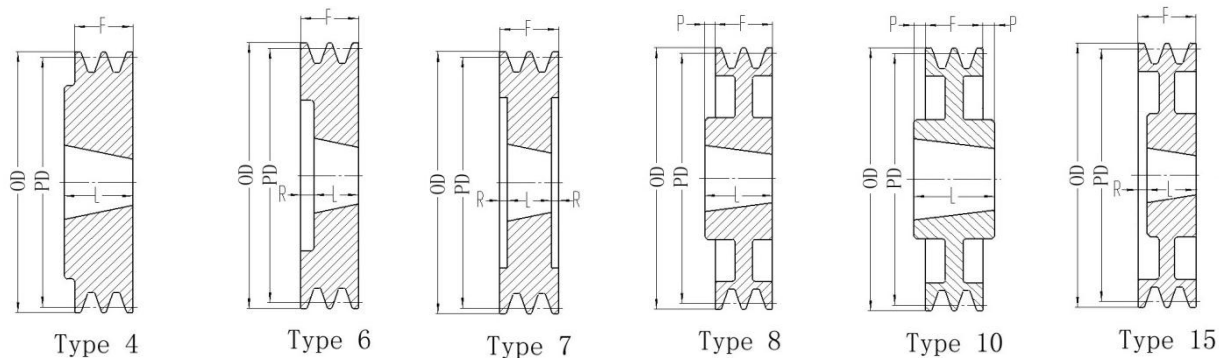


Type 10

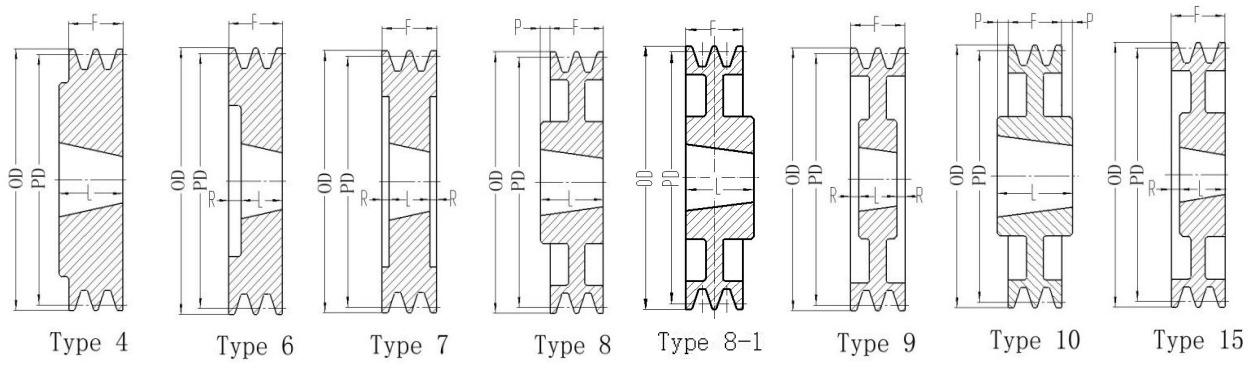
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 155 X 1	155	162	1610	10	25	25		0
SPB 155 X 2	155	162	2012	6	44	32	12	
SPB 155 X 3	155	162	2517	6	63	45	18	
SPB 155 X 4	155	162	2517	7	82	45	18.5	
SPB 155 X 5	155	162	2517	7	101	45	28	
SPB 155 X 6	155	162	2517	7	120	45	37.5	
SPB 160 X 1	160	167	1610	10	25	25		0
SPB 160 X 2	160	167	2012	6	44	32	12	
SPB 160 X 3	160	167	2517	6	63	45	18	
SPB 160 X 4	160	167	2517	7	82	45	18.5	
SPB 160 X 5	160	167	2517	7	101	45	28	
SPB 160 X 6	160	167	3020	7	120	51	34.5	
SPB 160 X 8	160	167	3020	7	158	51	53.5	
SPB 165 X 1	165	172	1610	10	25	25		0
SPB 165 X 2	165	172	2012	6	44	32	12	
SPB 165 X 3	165	172	2517	6	63	45	18	
SPB 165 X 4	165	172	2517	7	82	45	18.5	
SPB 165 X 5	165	172	2517	7	101	45	28	
SPB 165 X 6	165	172	3020	7	120	45	34.5	
SPB 170 X 1	170	177	1610	10	25	25		0
SPB 170 X 2	170	177	2012	6	44	32	12	
SPB 170 X 2 — Y	170	177	2517	4	44	45		
SPB 170 X 3	170	177	2517	6	63	45	18	
SPB 170 X 4	170	177	2517	7	82	45	18.5	
SPB 170 X 5	170	177	3020	7	101	51	25	
SPB 170 X 6	170	177	3020	7	120	51	34.5	
SPB 170 X 8	170	177	3030	7	158	76	41	
SPB 170 X 8 — R	170	177	3020	7	158	51	53.5	
SPB 175 X 1	175	182	1610	10	25	25		0
SPB 175 X 2	175	182	2517	4	44	45		
SPB 175 X 3	175	182	2517	6	63	45	18	
SPB 175 X 4	175	182	2517	7	82	45	18.5	
SPB 175 X 5	175	182	3020	7	101	51	25	
SPB 180 X 1	180	187	1610	10	25	25		0



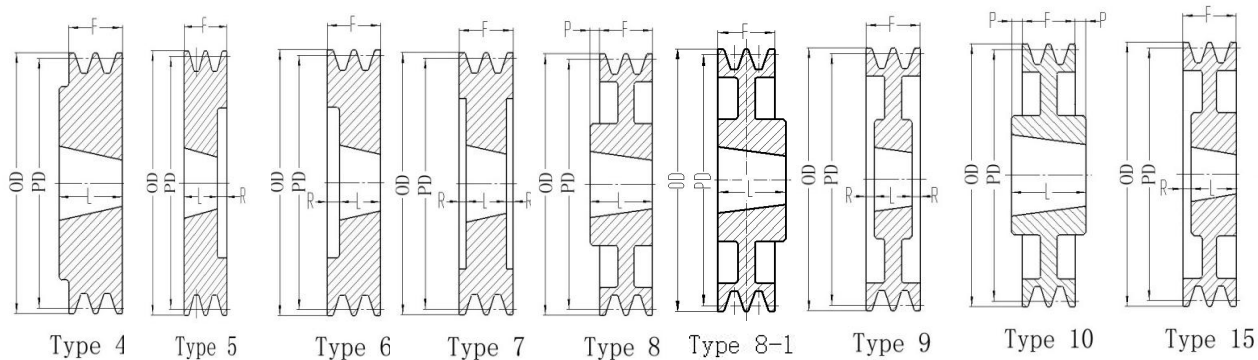
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 180 X 2	180	187	2517	4	44	45		
SPB 180 X 3	180	187	2517	6	63	45	18	
SPB 180 X 4	180	187	2517	7	82	45	18.5	
SPB 180 X 5	180	187	3020	7	101	51	25	
SPB 180 X 6	180	187	3020	7	120	51	34.5	
SPB 180 X 8	180	187	3030	7	158	76	41	
SPB 180 X 8 — R	180	187	3020	7	158	51	53.5	
SPB 185 X 1	185	192	2012	10	25	32		3.5
SPB 185 X 2	185	192	2517	4	44	45		
SPB 185 X 3	185	192	2517	6	63	45	18	
SPB 185 X 4	185	192	2517	7	82	45	18.5	
SPB 190 X 1	190	197	2012	10	25	32		3.5
SPB 190 X 1 — Z	190	197	2012	8	25	32		7
SPB 190 X 2	190	197	2517	4	44	45		
SPB 190 X 3	190	197	2517	6	63	45	18	
SPB 190 X 4	190	197	2517	7	82	45	18.5	
SPB 190 X 4 — Y	190	197	2517	6	82	45	37	
SPB 190 X 5	190	197	3020	7	101	51	25	
SPB 190 X 6	190	197	3020	7	120	51	34.5	
SPB 190 X 8	190	197	3030	7	158	76	41	
SPB 190 X 8 — R	190	197	3020	7	158	51	53.5	
SPB 190 X 10	190	197	3535	7	196	89	53.5	
SPB 195 X 1	195	202	2012	10	25	32		3.5
SPB 195 X 2	195	202	2517	8	44	45		1
SPB 195 X 3	195	202	2517	6	63	45	18	
SPB 195 X 4	195	202	2517	7	82	45	18.5	
SPB 195 X 5	195	202	3020	7	101	51	25	
SPB 195 X 6	195	202	3020	7	120	51	34.5	
SPB 200 X 1	200	207	2012	10	25	32		3.5
SPB 200 X 1 — D	200	207	2012	4	25	32		
SPB 200 X 2 — G	200	207	2517	8	44	45		1
SPB 200 X 3	200	207	2517	6	63	45	18	
SPB 200 X 3 — G	200	207	2517	9	63	45	9	



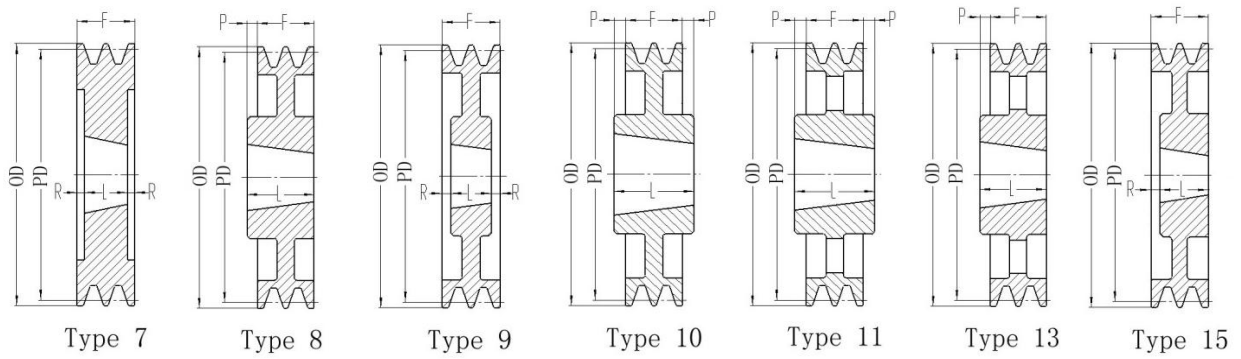
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 200 X 4	200	207	3020	7	82	51	15.5	
SPB 200 X 4 — Z	200	207	3020	6	82	51	31	
SPB 200 X 5	200	207	3020	7	101	51	25	
SPB 200 X 5 — Z	200	207	3020	6	101	51	50	
SPB 200 X 6	200	207	3020	7	120	51	34.5	
SPB 200 X 8	200	207	3535	7	158	89	34.5	
SPB 200 X 8 — R	200	207	3525	7	158	65	46.5	
SPB 200 X 10	200	207	3535	7	196	89	53.5	
SPB 200 X 10 — R	200	207	3525	7	196	65	65.5	
SPB 206 X 1	206	213	2012	10	25	32		3.5
SPB 206 X 2	206	213	2517	8	44	45		1
SPB 206 X 3	206	213	2517	15	63	45	18	
SPB 206 X 4	206	213	3020	7	82	51	15.5	
SPB 210 X 2	210	217	2517	8	44	45		1
SPB 210 X 3	210	217	2517	15	63	45	18	
SPB 210 X 4	210	217	3020	7	82	51	15.5	
SPB 212 X 1	212	219	2012	10	25	32		3.5
SPB 212 X 1 — D	212	219	2012	4	25	32		
SPB 212 X 1 — Z	212	219	2012	8	25	32		7
SPB 212 X 2	212	219	2517	8	44	45		1
SPB 212 X 2 — D	212	219	2517	4	44	45		
SPB 212 X 3	212	219	2517	15	63	45	18	
SPB 212 X 4	212	219	3020	7	82	51	15.5	
SPB 212 X 4 — Z	212	219	3020	6	82	51	31	
SPB 212 X 5	212	219	3020	7	101	51	25	
SPB 212 X 5 — Z	212	219	3020	6	101	51	50	
SPB 212 X 6	212	219	3535	7	120	89	15.5	
SPB 212 X 6 — R	212	219	3525	7	120	65	27.5	
SPB 212 X 8	212	219	3535	7	158	89	34.5	
SPB 212 X 8 — R	212	219	3525	7	158	65	46.5	
SPB 212 X 10	212	219	3535	7	196	89	53.5	
SPB 212 X 12	212	219	3535	7	234	89	72.5	



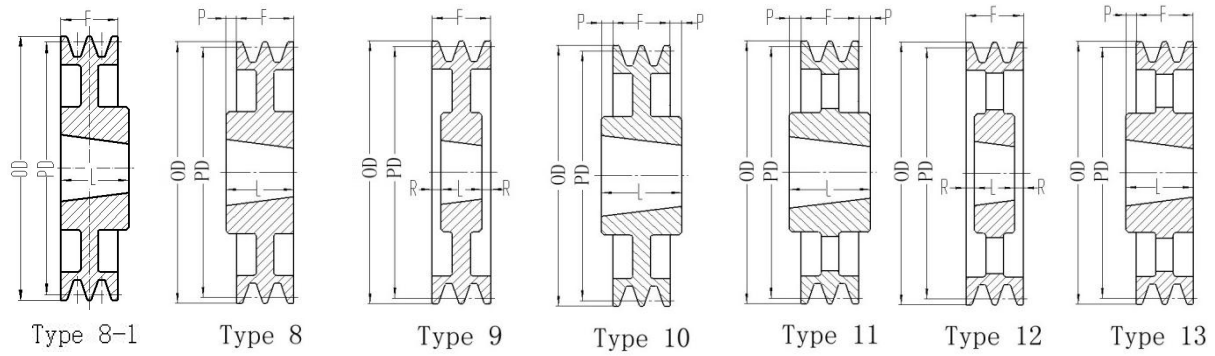
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 215 X 1	215	222	2012	10	25	32		3.5
SPB 215 X 2	215	222	2517	8	44	45		1
SPB 215 X 3	215	222	2517	15	63	45	18	
SPB 215 X 4	215	222	3020	7	82	51	15.5	
SPB 218 X 1	218	225	2012	10	25	32		3.5
SPB 218 X 2	218	225	2517	8	44	45		1
SPB 218 X 3	218	225	2517	15	63	45	18	
SPB 218 X 4	218	225	3020	7	82	51	15.5	
SPB 218 X 5	218	225	3020	7	101	51	25	
SPB 218 X 6	218	225	3535	7	120	89	15.5	
SPB 224 X 1	224	231	2012	10	25	32		3.5
SPB 224 X 1 — Z	224	231	2012	8	25	32		7
SPB 224 X 2 — D	224	231	2517	4	44	45		
SPB 224 X 2	224	231	2517	8	44	45		1
SPB 224 X 2 — Y	224	231	2517	8—1	44	45		
SPB 224 X 3	224	231	2517	15	63	45	18	
SPB 224 X 3 — D	224	231	2517	6	63	45	18	
SPB 224 X 4	224	231	3020	7	82	51	15.5	
SPB 224 X 4 — Z	224	231	3020	6	82	51	31	
SPB 224 X 5	224	231	3020	7	101	51	25	
SPB 224 X 5 — Z	224	231	3020	6	101	51	50	
SPB 224 X 6	224	231	3535	7	120	89	15.5	
SPB 224 X 6 — R	224	231	3525	7	120	65	27.5	
SPB 224 X 8	224	231	3535	7	158	89	34.5	
SPB 224 X 8 — R	224	231	3525	7	158	65	46.5	
SPB 224 X 10	224	231	3535	7	196	89	53.5	
SPB 230 X 1	230	237	2012	10	25	32		3.5
SPB 230 X 2	230	237	2517	8	44	45		1
SPB 230 X 3	230	237	2517	15	63	45	18	
SPB 230 X 4	230	237	3020	7	82	51	15.5	
SPB 230 X 5	230	237	3535	6	101	89	12	
SPB 230 X 6	230	237	3535	7	120	89	15.5	
SPB 236 X 1	236	243	2012	10	25	32		3.5
SPB 236 X 1 — Z	236	243	2012	8	25	32		7



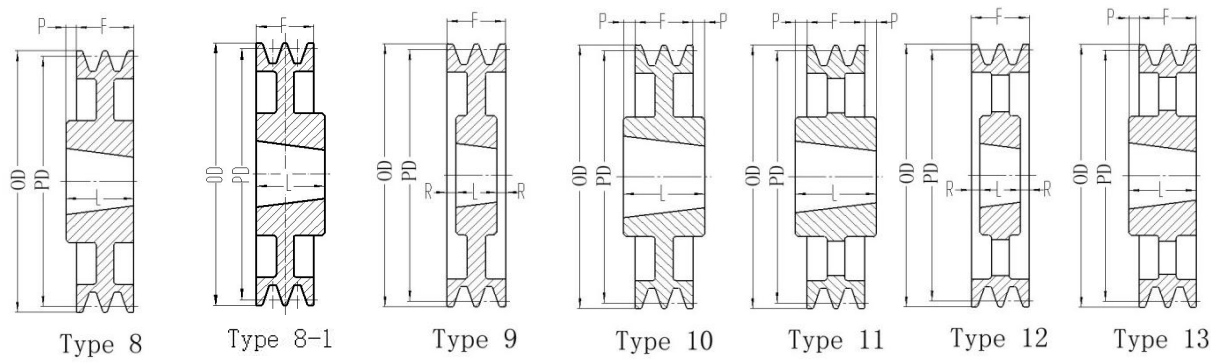
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 236 X 2	236	243	2517	8	44	45		1
SPB 236 X 2 — D	236	243	2517	8—1	44	45		
SPB 236 X 3	236	243	2517	15	63	45	18	
SPB 236 X 3 — Z	236	243	2517	9	63	45	9	
SPB 236 X 4	236	243	3020	9	82	51	15.5	
SPB 236 X 5	236	243	3535	7	101	89	6	
SPB 236 X 5 — R	236	243	3525	7	101	65	18	
SPB 236 X 5 — Z	236	243	3535	5	101	89	12	
SPB 236 X 6	236	243	3535	7	120	89	15.5	
SPB 236 X 6 — R	236	243	3525	7	120	65	27.5	
SPB 236 X 8	236	243	3535	7	158	89	34.5	
SPB 236 X 8 — R	236	243	3525	7	158	65	46.5	
SPB 236 X 10	236	243	3535	7	196	89	53.5	
SPB 243 X 1	243	250	2012	10	25	32		3.5
SPB 243 X 2	243	250	2517	8	44	45		1
SPB 243 X 3	243	250	3020	15	63	51	12	
SPB 243 X 4	243	250	3020	9	82	51	15.5	
SPB 250 X 1	250	257	2012	10	25	32		3.5
SPB 250 X 1 — D	250	257	2012	4	25	32		
SPB 250 X 1 — G	250	257	2012	13	25	32		7
SPB 250 X 2	250	257	2517	8	44	45		1
SPB 250 X 2 — D	250	257	2517	8—1	44	45		
SPB 250 X 2 — G	250	257	2517	13	44	45		1
SPB 250 X 3	250	257	3020	15	63	51	12	
SPB 250 X 3 — D	250	257	3020	6	63	51	12	
SPB 250 X 4	250	257	3020	9	82	51	15.5	
SPB 250 X 4 — D	250	257	3020	6	82	51	31	
SPB 250 X 4 — Z	250	257	3020	15	82	51	31	
SPB 250 X 5	250	257	3535	7	101	89	6	
SPB 250 X 5 — R	250	257	3525	7	101	65	18	
SPB 250 X 5 — Z	250	257	3535	6	101	89	12	
SPB 250 X 6	250	257	3535	7	120	89	15.5	
SPB 250 X 6 — R	250	257	3525	7	120	65	27.5	
SPB 250 X 8	250	257	3535	7	158	89	34.5	



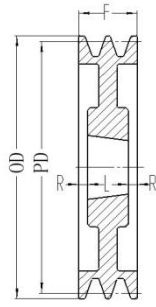
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 250 X 8 — R	250	257	3525	7	158	65	46.5	
SPB 250 X 10	250	257	3535	7	196	89	53.5	
SPB 250 X 10 — R	250	257	3525	7	196	65	65.5	
SPB 258 X 1	258	265	2012	10	25	32		3.5
SPB 258 X 2	258	265	2517	8	44	45		1
SPB 258 X 3	258	265	3020	15	63	51	12	
SPB 258 X 4	258	265	3020	9	82	51	15.5	
SPB 265 X 1 — G	265	272	2012	13	25	32		7
SPB 265 X 2 — G	265	272	2517	13	44	45		1
SPB 265 X 3 — G	265	272	3020	9	63	51	6	
SPB 265 X 4 — G	265	272	3020	9	82	51	15.5	
SPB 265 X 5	265	272	3535	7	101	89	6	
SPB 265 X 5 — G	265	272	3525	7	101	65	18.5	
SPB 265 X 6 — G	265	272	3535	7	120	89	15.5	
SPB 265 X 6 — R	265	272	3525	7	120	65	27.5	
SPB 265 X 8 — G	265	272	3535	7	158	89	34.5	
SPB 265 X 8 — R	265	272	3525	7	158	65	46.5	
SPB 273 X 1	273	280	2012	10	25	32		3.5
SPB 273 X 2	273	280	2517	8	44	45		1
SPB 273 X 3	273	280	3020	9	63	51	6	
SPB 273 X 4	273	280	3020	9	82	51	15.5	
SPB 280 X 1	280	287	2012	11	25	32		3.5
SPB 280 X 2 — G	280	287	2517	13	44	45		1
SPB 280 X 2 — D	280	287	2517	8—1	44	45		
SPB 280 X 3 — G	280	287	3020	12	63	51	6	
SPB 280 X 4	280	287	3020	9	82	51	15.5	
SPB 280 X 5	280	287	3535	9	101	89	6	
SPB 280 X 5 — R	280	287	3525	9	101	65	18	
SPB 280 X 6	280	287	3535	9	120	89	15.5	
SPB 280 X 6 — R	280	287	3525	9	120	65	27.5	
SPB 280 X 8	280	287	3535	9	158	89	34.5	
SPB 280 X 8 — R	280	287	3525	9	158	65	46.5	
SPB 280 X 10	280	287	3535	9	196	89	53.5	
SPB 280 X 10 — R	280	287	3525	9	196	65	65.5	



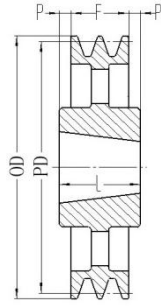
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 290 X 2	290	297	2517	8	44	45		1
SPB 290 X 3	290	297	3020	9	63	51	6	
SPB 290 X 4	290	297	3535	8	82	89		7
SPB 300 X 1 — G	300	307	2012	13	25	32		7
SPB 300 X 2 — D	300	307	2517	8—1	44	45		
SPB 300 X 2 — G	300	307	2517	13	44	45		1
SPB 300 X 3 — G	300	307	3020	12	63	51	6	
SPB 300 X 4	300	307	3535	8	82	89		7
SPB 300 X 4 — R	300	307	3525	9	82	65	8.5	
SPB 300 X 4 — Z	300	307	3020	9	82	51	15.5	
SPB 300 X 5	300	307	3535	9	101	89	6	
SPB 300 X 5 — R	300	307	3525	9	101	65	18	
SPB 300 X 6	300	307	3535	9	120	89	15.5	
SPB 300 X 6 — R	300	307	3525	9	120	65	27.5	
SPB 300 X 8	300	307	3535	9	158	89	34.5	
SPB 300 X 8 — R	300	307	3525	9	158	65	46.5	
SPB 300 X 10	300	307	3535	9	196	89	53.5	
SPB 305 X 2	305	312	2517	8	44	45		1
SPB 305 X 3	305	312	3020	9	63	51	6	
SPB 305 X 4	305	312	3535	8	82	89		7
SPB 310 X 2	310	317	2517	8	44	45		1
SPB 310 X 3	310	317	3020	9	63	51	6	
SPB 310 X 4	310	317	3535	10	82	89		3.5
SPB 315 X 1	315	322	2012	11	25	32		3.5
SPB 315 X 1 — G	315	322	2012	13	25	32		7
SPB 315 X 2 — G	315	322	2517	13	44	45		1
SPB 315 X 2 — D	315	322	2517	8—1	44	45		
SPB 315 X 3 — G	315	322	3020	12	63	51	6	
SPB 315 X 4	315	322	3535	11	82	89		3.5
SPB 315 X 4 — R	315	322	3525	12	82	65	8.5	
SPB 315 X 5	315	322	3535	9	101	89	6	
SPB 315 X 5 — R	315	322	3525	9	101	65	18	
SPB 315 X 6	315	322	3535	9	120	89	15.5	



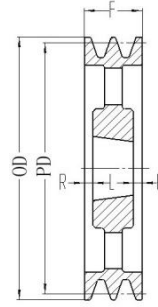
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 315 X 6 — R	315	322	3525	9	120	65	27.5	
SPB 315 X 8	315	322	3535	9	158	89	34.5	
SPB 315 X 8 — R	315	322	3525	9	158	65	46.5	
SPB 315 X 10	315	322	3535	9	196	89	53.5	
SPB 325 X 2	325	332	2517	8	44	45		1
SPB 325 X 3	325	332	3020	9	63	51	6	
SPB 325 X 4	325	332	3535	10	82	89		3.5
SPB 335 X 1	335	342	2517	11	25	45		10
SPB 335 X 2 — G	335	342	2517	13	44	45		1
SPB 335 X 2 — D	335	342	2517	8—1	44	45		
SPB 335 X 3	335	342	3020	12	63	51	6	
SPB 335 X 4	335	342	3535	11	82	89		3.5
SPB 335 X 4 — R	335	342	3525	12	82	65	8.5	
SPB 335 X 5	335	342	3535	9	101	89	6	
SPB 335 X 5 — R	335	342	3525	9	101	65	18	
SPB 335 X 6	335	342	3535	9	120	89	15.5	
SPB 335 X 6 — R	335	342	3525	9	120	65	27.5	
SPB 335 X 8	335	342	3535	9	158	89	34.5	
SPB 335 X 8 — R	335	342	3525	9	158	65	46.5	
SPB 335 X 10	335	342	3535	9	196	89	53.5	
SPB 340 X 2 — G	340	347	2517	13	44	45		1
SPB 340 X 3 — G	340	347	3020	12	63	51	6	
SPB 340 X 4 — G	340	347	3525	12	82	65	8.5	
SPB 340 X 5 — G	340	347	3525	12	101	65	18	
SPB 340 X 6 — G	340	347	3535	12	120	89	15.5	
SPB 345 X 2	345	352	3020	8	44	51		7
SPB 345 X 3	345	352	3020	9	63	51	6	
SPB 345 X 4	345	352	3535	10	82	89		3.5
SPB 345 X 5	345	352	3535	12	101	89	6	
SPB 355 X 2	355	362	3020	11	44	51		3.5
SPB 355 X 2 — G	355	362	3020	13	44	51		7
SPB 355 X 3 — G	355	362	3020	12	63	51	6	
SPB 355 X 4	355	362	3535	11	82	89		3.5
SPB 355 X 4 — G	355	362	3525	12	82	65	8.5	



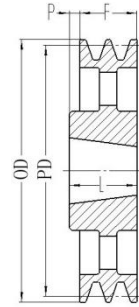
Type 9



Type 11

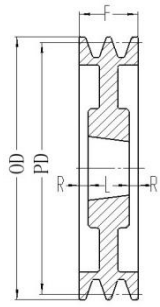


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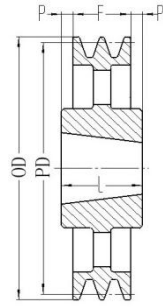


Type 13

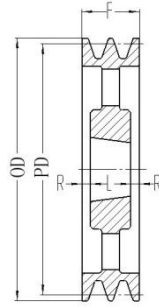
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 355 X 5	355	362	3535	9	101	89	6	
SPB 355 X 5 — R	355	362	3525	9	101	65	18	
SPB 355 X 6	355	362	3535	9	120	89	15.5	
SPB 355 X 6 — R	355	362	3525	9	120	65	27.5	
SPB 355 X 8	355	362	3535	9	158	89	34.5	
SPB 355 X 8 — R	355	362	3525	9	158	65	46.5	
SPB 355 X 10	355	362	4040	9	196	102	47	
SPB 375 X 2	375	382	3020	11	44	51		3.5
SPB 375 X 2 — G	375	382	3020	13	44	51		7
SPB 375 X 3 — G	375	382	3020	12	63	51	6	
SPB 375 X 4	375	382	3535	11	82	89		3.5
SPB 375 X 4 — R	375	382	3525	12	82	65	8.5	
SPB 375 X 5	375	382	3535	12	101	89	6	
SPB 375 X 5 — G	375	382	3525	12	101	65	18	
SPB 375 X 6 — G	375	382	3535	12	120	89	15.5	
SPB 375 X 6 — R	375	382	3525	12	120	65	27.5	
SPB 375 X 8	375	382	4040	9	158	102	28	
SPB 375 X 8 — R	375	382	4030	9	158	76	41	
SPB 400 X 1	400	407	2517	11	25	45		10
SPB 400 X 2	400	407	3020	11	44	51		3.5
SPB 400 X 3	400	407	3535	11	63	89		13
SPB 400 X 3 — G	400	407	3525	11	63	65		1
SPB 400 X 4	400	407	3535	11	82	89		3.5
SPB 400 X 4 — G	400	407	3525	12	82	65	8.5	
SPB 400 X 5	400	407	3535	12	101	89	6	
SPB 400 X 5 — R	400	407	3525	12	101	65	18	
SPB 400 X 6	400	407	3535	12	120	89	15.5	
SPB 400 X 6 — R	400	407	3525	12	120	65	27.5	
SPB 400 X 8	400	407	4040	9	158	102	28	
SPB 400 X 8 — R	400	407	3525	9	158	65	46.5	
SPB 400 X 10	400	407	4040	9	196	102	47	
SPB 425 X 2 — G	425	432	3020	11	44	51		3.5
SPB 425 X 3	425	432	3535	11	63	89		13
SPB 425 X 3 — G	425	432	3525	11	63	65		1
SPB 425 X 3 — Y	425	432	3020	12	63	51	6	



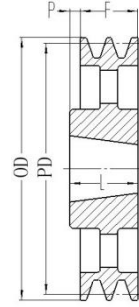
Type 9



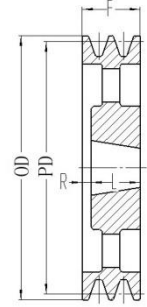
Type 11



Type 12

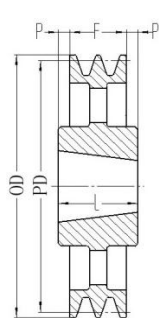


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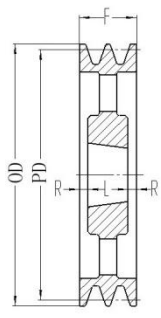


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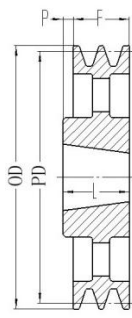
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 425 X 4	425	432	3535	11	82	89		3.5
SPB 425 X 4 — G	425	432	3525	12	82	65	8.5	
SPB 425 X 5 — G	425	432	3535	12	101	89	6	
SPB 425 X 5 — R	425	432	3525	12	101	65	18	
SPB 425 X 6 — G	425	432	3535	12	120	89	15.5	
SPB 425 X 6 — R	425	432	3525	12	120	65	27.5	
SPB 425 X 6 — Z	425	432	4040	9	120	102	9	
SPB 450 X 2	450	457	3020	11	44	51		3.5
SPB 450 X 3	450	457	3535	13	63	89		26
SPB 450 X 3 — R	450	457	3525	13	63	65		2
SPB 450 X 3 — Z	450	457	3535	11	63	89		13
SPB 450 X 4	450	457	3535	13	82	89		7
SPB 450 X 4 — R	450	457	3525	16	82	65	17	
SPB 450 X 4 — Z	450	457	3535	11	82	89		3.5
SPB 450 X 5	450	457	3535	16	101	89	12	
SPB 450 X 5 — R	450	457	3525	16	101	65	36	
SPB 450 X 5 — Z	450	457	3535	12	101	89	6	
SPB 450 X 6	450	457	4040	16	120	102	18	
SPB 450 X 6 — R	450	457	3525	16	120	65	55	
SPB 450 X 6 — Z	450	457	4040	12	120	102	9	
SPB 450 X 8	450	457	4040	12	158	102	28	
SPB 450 X 8 — R	450	457	3525	12	158	65	46.5	
SPB 450 X 10	450	457	4545	12	196	114	41	
SPB 475 X 1	475	482	2517	13	25	45		20
SPB 475 X 2	475	482	3020	13	44	51		7
SPB 475 X 3	475	482	3535	13	63	89		26
SPB 475 X 3 — R	475	482	3525	13	63	65		2
SPB 475 X 4	475	482	3535	11	82	89		3.5
SPB 475 X 4 — R	475	482	3525	12	82	65	8.5	
SPB 475 X 5 — G	475	482	3535	12	101	89	6	
SPB 475 X 5 — R	475	482	3525	12	101	65	18	
SPB 475 X 6	475	482	4040	12	120	102	9	
SPB 475 X 8	475	482	4040	12	158	102	28	
SPB 500 X 2	500	507	3020	11	44	51		3.5
SPB 500 X 3	500	507	3535	13	63	89		26



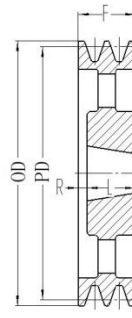
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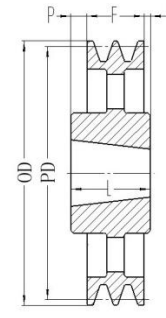
Type 12



Type 13

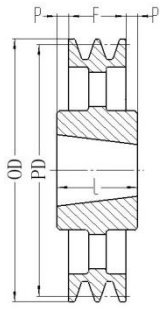


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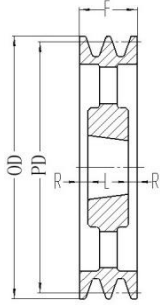


Type 17

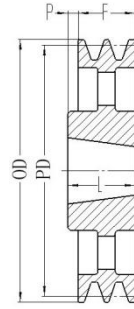
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 500 X 3 — R	500	507	3525	13	63	65		2
SPB 500 X 3 — Z	500	507	3535	11	63	89		13
SPB 500 X 4	500	507	3535	13	82	89		7
SPB 500 X 4 — R	500	507	3525	16	82	65	17	
SPB 500 X 4 — Z	500	507	3535	11	82	89		3.5
SPB 500 X 5	500	507	3535	16	101	89	12	
SPB 500 X 5 — R	500	507	3525	16	101	65	36	
SPB 500 X 5 — Z	500	507	3535	12	101	89	6	
SPB 500 X 6	500	507	4040	16	120	102	18	
SPB 500 X 6 — R	500	507	3525	16	120	65	55	
SPB 500 X 6 — Z	500	507	4040	12	120	102	9	
SPB 500 X 8	500	507	4040	12	158	102	28	
SPB 500 X 8 — R	500	507	3525	12	158	65	46.5	
SPB 500 X 10	500	507	4545	12	196	114	41	
SPB 530 X 2	530	537	3030	11	44	76		16
SPB 530 X 2 — R	530	537	3020	11	44	51		7
SPB 530 X 3	530	537	3535	11	63	89		13
SPB 530 X 3 — R	530	537	3525	13	63	65		2
SPB 530 X 4	530	537	3535	13	82	89		7
SPB 530 X 4 — R	530	537	3525	12	82	65	8.5	
SPB 530 X 5 — R	530	537	3525	16	101	65	36	
SPB 560 X 2	560	567	3030	17	44	76		28.5
SPB 560 X 2 — R	560	567	3020	11	44	51		3.5
SPB 560 X 2 — Z	560	567	3030	11	44	76		16
SPB 560 X 3	560	567	3535	13	63	89		26
SPB 560 X 3 — R	560	567	3525	13	63	65		2
SPB 560 X 3 — Z	560	567	3535	11	63	89		13
SPB 560 X 4	560	567	3535	13	82	89		7
SPB 560 X 4 — R	560	567	3525	16	82	65	17	
SPB 560 X 4 — Z	560	567	3535	11	82	89		3.5
SPB 560 X 5	560	567	4040	13	101	102		1
SPB 560 X 5 — G	560	567	3535	12	101	89	6	
SPB 560 X 5 — R	560	567	3525	16	101	65	36	
SPB 560 X 6	560	567	4040	16	120	102	18	
SPB 560 X 6 — R	560	567	3525	16	120	65	55	
SPB 560 X 6 — Z	560	567	4040	12	120	102	9	



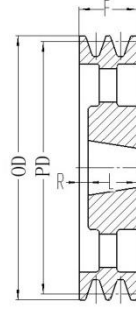
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Type 12

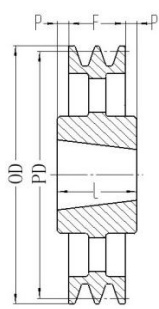


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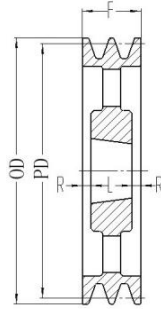


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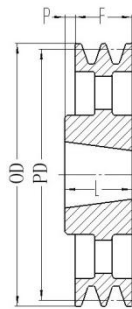
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 560 X 8	560	567	4545	12	158	114	22	
SPB 560 X 8 — R	560	567	4030	12	158	76	41	
SPB 560 X 10	560	567	4545	12	196	114	41	
SPB 630 X 2	630	637	3030	11	44	76		16
SPB 630 X 2 — R	630	637	3020	11	44	51		3.5
SPB 630 X 3	630	637	3535	13	63	89		26
SPB 630 X 3 — R	630	637	3525	13	63	65		2
SPB 630 X 3 — Z	630	637	3535	11	63	89		13
SPB 630 X 4	630	637	3535	13	82	89		7
SPB 630 X 4 — R	630	637	3525	16	82	65	17	
SPB 630 X 4 — Z	630	637	3535	11	82	89		3.5
SPB 630 X 5	630	637	4040	13	101	102		1
SPB 630 X 5 — R	630	637	3525	16	101	65	36	
SPB 630 X 6	630	637	4040	16	120	102	18	
SPB 630 X 6 — R	630	637	3525	16	120	65	55	
SPB 630 X 6 — Z	630	637	4040	12	120	102	9	
SPB 630 X 8	630	637	4545	12	158	114	22	
SPB 630 X 8 — R	630	637	4030	12	158	76	41	
SPB 630 X 10	630	637	4545	12	196	114	41	
SPB 710 X 2	710	717	3030	11	44	76		16
SPB 710 X 3	710	717	3535	11	63	89		13
SPB 710 X 3 — R	710	717	3525	11	63	65		1
SPB 710 X 4	710	717	3535	11	82	89		3.5
SPB 710 X 4 — R	710	717	3525	12	82	65	8.5	
SPB 710 X 5	710	717	4040	13	101	102		1
SPB 710 X 5 — R	710	717	4030	12	101	76	12.5	
SPB 710 X 6	710	717	4040	12	120	102	9	
SPB 710 X 6 — R	710	717	4535	12	120	89	15.5	
SPB 710 X 6 — Z	710	717	4545	12	120	114	3	
SPB 710 X 8	710	717	4545	12	158	114	22	
SPB 710 X 8 — R	710	717	4535	12	158	89	34.5	
SPB 710 X 10	710	717	4545	12	196	114	41	
SPB 800 X 2	800	807	3535	11	44	89		22.5
SPB 800 X 3	800	807	3535	11	63	89		13
SPB 800 X 3 — R	800	807	3525	11	63	65		1



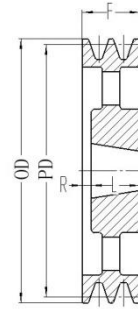
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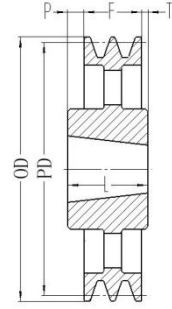
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Type 13

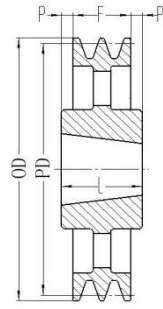


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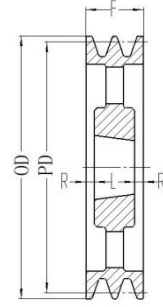


Type 17

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 800 X 4	800	807	4040	11	82	102		10
SPB 800 X 4 — R	800	807	4030	12	82	76	3	
SPB 800 X 5	800	807	4040	13	101	102		1
SPB 800 X 5 — R	800	807	4030	12	101	76	12.5	
SPB 800 X 6	800	807	4545	12	120	114	3	
SPB 800 X 6 — R	800	807	4535	12	120	89	15.5	
SPB 800 X 8	800	807	4545	12	158	114	22	
SPB 800 X 8 — R	800	807	4535	12	158	89	34.5	
SPB 800 X 10	800	807	4545	12	196	114	41	
SPB 900 X 3	900	907	3535	11	63	89		13
SPB 900 X 3 — R	900	907	3525	11	63	65		1
SPB 900 X 4	900	907	4040	11	82	102		10
SPB 900 X 4 — R	900	907	4030	12	82	76	3	
SPB 900 X 5	900	907	4040	13	101	102		1
SPB 900 X 5 — R	900	907	4030	12	101	76	12.5	
SPB 900 X 6	900	907	4545	12	120	114	3	
SPB 900 X 6 — R	900	907	4535	12	120	89	15.5	
SPB 900 X 8	900	907	4545	12	158	114	22	
SPB 900 X 8 — R	900	907	4535	12	158	89	34.5	
SPB 900 X 10	900	907	5050	12	196	127	34.5	
SPB 1000 X 3	1000	1007	4040	11	63	102		19.5
SPB 1000 X 3 — R	1000	1007	4030	11	63	76		6.5
SPB 1000 X 4	1000	1007	4040	11	82	102		10
SPB 1000 X 4 — R	1000	1007	4030	12	82	76	3	
SPB 1000 X 5	1000	1007	4545	11	101	114		6.5
SPB 1000 X 5 — R	1000	1007	4535	12	101	89	6	
SPB 1000 X 6	1000	1007	4545	12	120	114	3	
SPB 1000 X 6 — R	1000	1007	4535	12	120	89	15.5	
SPB 1000 X 8	1000	1007	5050	12	158	127	15.5	
SPB 1000 X 8 — R	1000	1007	4535	12	158	89	34.5	
SPB 1000 X 10	1000	1007	5050	12	196	127	34.5	
SPB 1120 X 3	1120	1127	4040	11	63	102		19.5
SPB 1120 X 5	1120	1127	4545	11	101	114		6.5
SPB 1120 X 8	1120	1127	4545	12	158	114	22	

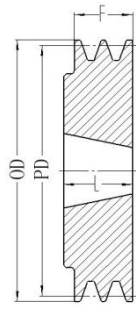


Type 11

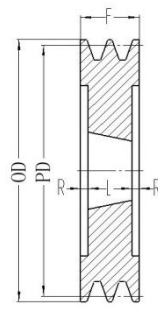


Type 12

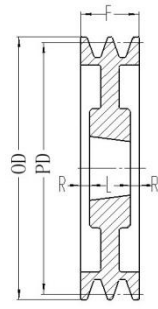
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPB 1250 X 3	1250	1257	4545	11	63	114		25.5
SPB 1250 X 3 — R	1250	1257	4535	11	63	89		13
SPB 1250 X 4	1250	1257	4545	11	82	114		16
SPB 1250 X 4 — R	1250	1257	4535	11	82	89		3.5
SPB 1250 X 5	1250	1257	4545	11	101	114		6.5
SPB 1250 X 5 — R	1250	1257	4535	12	101	89	6	
SPB 1250 X 6	1250	1257	4545	12	120	114	3	
SPB 1250 X 6 — R	1250	1257	4535	12	120	89	15.5	
SPB 1250 X 8	1250	1257	5050	12	158	127	15.5	
SPB 1250 X 8 — R	1250	1257	5040	12	158	114	22	
SPB 1250 X 12	1250	1257	5050	12	234	127	53.5	



Type 4

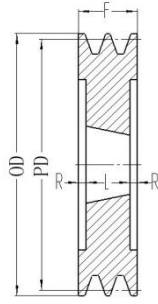


Type 7

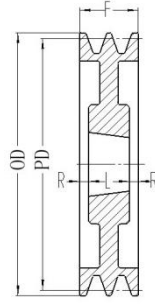


Type 9

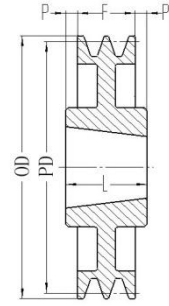
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 150 X 3	150	159.6	2517	7	85	45	20	
SPC 150 X 4	150	159.6	2517	7	110.5	45	32.8	
SPC 160 X 1	160	169.6	2517	4	34	45		
SPC 160 X 3	160	169.6	2517	7	85	45	20	
SPC 160 X 4	160	169.6	2517	7	110.5	45	32.8	
SPC 170 X 3	170	179.6	2517	7	85	45	20	
SPC 170 X 4	170	179.6	2517	7	110.5	45	32.8	
SPC 180 X 2	180	189.6	2517	7	59.5	45	7.3	
SPC 180 X 3	180	189.6	2517	7	85	45	20	
SPC 180 X 4	180	189.6	2517	7	110.5	45	32.8	
SPC 180 X 5	180	189.6	3020	7	136	51	42.5	
SPC 180 X 6	180	189.6	3020	7	161.5	51	55.3	
SPC 180 X 8	180	189.6	3030	7	212.5	76	68.3	
SPC 190 X 2	190	199.6	2517	7	59.5	45	7.3	
SPC 190 X 3	190	199.6	2517	7	85	45	20	
SPC 190 X 4	190	199.6	3020	7	110.5	51	29.8	
SPC 190 X 5	190	199.6	3020	7	136	51	42.5	
SPC 190 X 6	190	199.6	3020	7	161.5	51	55.3	
SPC 200 X 1	200	209.6	2517	4	34	45		
SPC 200 X 2 — G	200	209.6	2517	7	59.5	45	7.3	
SPC 200 X 3	200	209.6	2517	7	85	45	20	
SPC 200 X 4	200	209.6	3020	7	110.5	51	29.8	
SPC 200 X 5	200	209.6	3535	7	136	89	23.5	
SPC 200 X 5 — R	200	209.6	3525	7	136	65	35.5	
SPC 200 X 6	200	209.6	3535	7	161.5	89	36.3	
SPC 200 X 6 — R	200	209.6	3525	7	161.5	65	48.3	
SPC 200 X 8	200	209.6	3535	7	212.5	89	61.8	
SPC 200 X 8 — R	200	209.6	3525	7	212.5	65	73.8	
SPC 212 X 2 — G	212	221.6	2517	9	59.5	45	7.3	
SPC 212 X 3	212	221.6	3020	7	85	51	17	
SPC 212 X 4	212	221.6	3020	7	110.5	51	29.8	
SPC 212 X 5	212	221.6	3535	7	136	89	23.5	
SPC 212 X 5 — R	212	221.6	3525	7	136	65	35.5	
SPC 212 X 6	212	221.6	3535	7	161.5	89	36.3	



Type 7

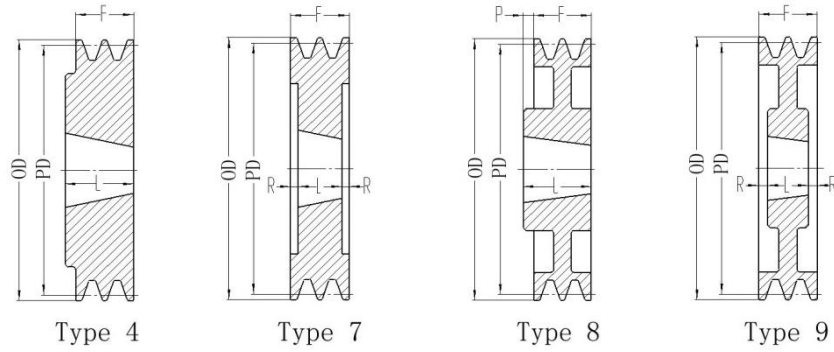


Type 9

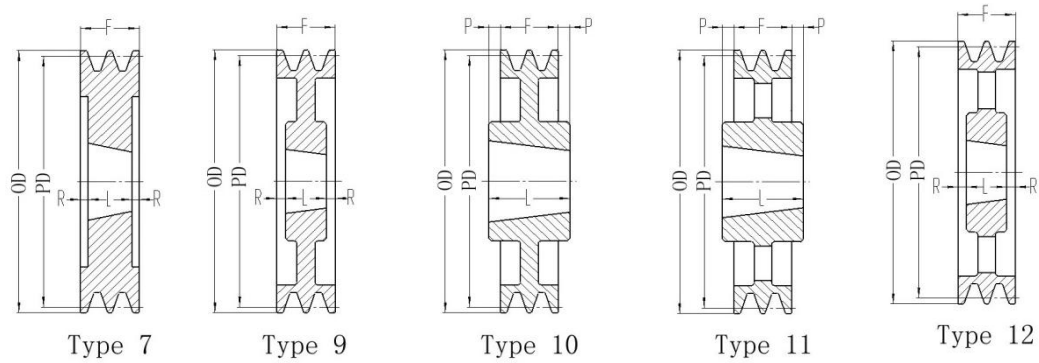


Type 10

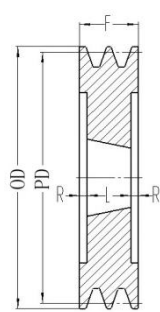
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 212 X 6 — R	212	221.6	3525	7	161.5	65	48.3	
SPC 212 X 8	212	221.6	3535	7	212.5	89	61.8	
SPC 212 X 8 — R	212	221.6	3525	7	212.5	65	73.8	
SPC 212 X 10	212	221.6	3535	7	263.5	89	87.3	
SPC 224 X 2	224	233.6	3020	7	59.5	51	4.3	
SPC 224 X 2 — G	224	233.6	2517	9	59.5	45	7.3	
SPC 224 X 3	224	233.6	3020	7	85	51	17	
SPC 224 X 4	224	233.6	3535	7	110.5	89	10.8	
SPC 224 X 4 — R	224	233.6	3525	7	110.5	65	22.8	
SPC 224 X 5	224	233.6	3535	7	136	89	23.5	
SPC 224 X 5 — R	224	233.6	3525	7	136	65	35.5	
SPC 224 X 6	224	233.6	3535	7	161.5	89	36.3	
SPC 224 X 6 — R	224	233.6	3525	7	161.5	65	48.3	
SPC 224 X 8	224	233.6	3535	7	212.5	89	61.8	
SPC 224 X 8 — R	224	233.6	3525	7	212.5	65	73.8	
SPC 224 X 10	224	233.6	4040	7	263.5	102	80.8	
SPC 236 X 2 — G	236	245.6	2517	9	59.5	51	4.3	
SPC 236 X 3	236	245.6	3020	7	85	51	17	
SPC 236 X 4	236	245.6	3535	7	110.5	89	10.8	
SPC 236 X 4 — R	236	245.6	3525	7	110.5	65	22.8	
SPC 236 X 5	236	245.6	3535	7	136	89	23.5	
SPC 236 X 5 — R	236	245.6	3525	7	136	65	35.5	
SPC 236 X 6	236	245.6	3535	7	161.5	89	36.3	
SPC 236 X 6 — R	236	245.6	3525	7	161.5	65	48.3	
SPC 236 X 8	236	245.6	3535	7	212.5	89	61.8	
SPC 236 X 8 — R	236	245.6	3525	7	212.5	65	73.8	
SPC 236 X 10	236	245.6	4040	7	263.5	102	80.8	
SPC 240 X 3	240	249.6	3020	7	85	51	17	
SPC 240 X 4	240	249.6	3535	7	110.5	89	10.8	
SPC 243 X 3	243	252.6	3020	7	85	51	17	
SPC 243 X 4	243	252.6	3535	7	110.5	89	10.8	
SPC 250 X 1	250	259.6	3020	10	34	51		8.5
SPC 250 X 2 — G	250	259.6	3020	9	59.5	51	4.3	
SPC 250 X 3	250	259.6	3020	7	85	51	17	



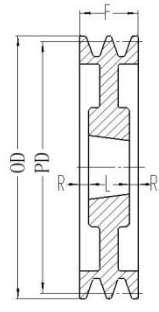
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 250 X 4	250	259.6	3535	7	110.5	89	10.8	
SPC 250 X 4 — R	250	259.6	3525	7	110.5	65	22.8	
SPC 250 X 5	250	259.6	3535	7	136	89	23.5	
SPC 250 X 5 — R	250	259.6	3525	7	136	65	35.5	
SPC 250 X 6	250	259.6	3535	7	161.5	89	36.3	
SPC 250 X 6 — R	250	259.6	3525	7	161.5	65	48.3	
SPC 250 X 8	250	259.6	3535	7	212.5	89	61.8	
SPC 250 X 8 — R	250	259.6	3525	7	212.5	65	73.8	
SPC 250 X 10	250	259.6	4040	7	263.5	102	80.8	
SPC 265 X 2 — G	265	274.6	3020	9	59.5	51	4.3	
SPC 265 X 3	265	274.6	3535	4	85	89		
SPC 265 X 3 — R	265	274.6	3525	7	85	65	10	
SPC 265 X 4	265	274.6	3535	7	110.5	89	10.8	
SPC 265 X 4 — R	265	274.6	3525	7	110.5	65	22.8	
SPC 265 X 5	265	274.6	3535	7	136	89	23.5	
SPC 265 X 5 — R	265	274.6	3525	7	136	65	35.5	
SPC 265 X 6	265	274.6	3535	7	161.5	89	36.3	
SPC 265 X 6 — R	265	274.6	3525	7	161.5	65	48.3	
SPC 265 X 8	265	274.6	3535	7	212.5	89	61.8	
SPC 265 X 8 — R	265	274.6	3525	7	212.5	65	73.8	
SPC 265 X 10	265	274.6	4040	7	263.5	102	80.8	
SPC 280 X 2 — G	280	289.6	3020	9	59.5	51	4.3	
SPC 280 X 3	280	289.6	3535	8	85	89		4
SPC 280 X 3 — R	280	289.6	3525	9	85	65	10	
SPC 280 X 4	280	289.6	3535	9	110.5	89	10.8	
SPC 280 X 4 — D	280	289.6	3535	7	110.5	89	10.8	
SPC 280 X 4 — R	280	289.6	3525	9	110.5	65	22.8	
SPC 280 X 5	280	289.6	3535	9	136	89	23.5	
SPC 280 X 5 — R	280	289.6	3525	9	136	65	35.5	
SPC 280 X 6	280	289.6	3535	9	161.5	89	36.3	
SPC 280 X 6 — D	280	289.6	3535	7	161.5	89	36.3	
SPC 280 X 6 — R	280	289.6	3525	9	161.5	65	48.3	
SPC 280 X 8	280	289.6	3535	7	212.5	89	61.8	
SPC 280 X 8 — R	280	289.6	3525	7	212.5	65	73.8	



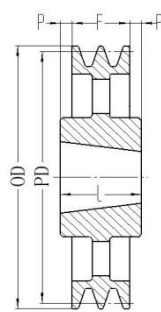
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 280 X 10	280	289.6	4040	7	263.5	102	80.8	
SPC 300 X 1	300	309.6	3020	10	34	51		8.5
SPC 300 X 2 — G	300	309.6	3020	9	59.5	51	4.3	
SPC 300 X 3	300	309.6	3535	10	85	89		2
SPC 300 X 3 — R	300	309.6	3525	9	85	65	10	
SPC 300 X 4	300	309.6	3535	9	110.5	89	10.8	
SPC 300 X 4 — R	300	309.6	3525	9	110.5	65	22.8	
SPC 300 X 5	300	309.6	3535	9	136	89	23.5	
SPC 300 X 5 — R	300	309.6	3525	9	136	65	35.5	
SPC 300 X 6	300	309.6	3535	9	161.5	89	36.3	
SPC 300 X 6 — R	300	309.6	3525	9	161.5	65	48.3	
SPC 300 X 8	300	309.6	4040	7	212.5	102	55.3	
SPC 300 X 8 — R	300	309.6	3525	9	212.5	65	73.8	
SPC 300 X 10	300	309.6	4545	7	263.5	114	74.8	
SPC 300 X 10 — R	300	309.6	4535	7	263.5	89	87.3	
SPC 308 X 3	308	317.6	3535	10	85	89		2
SPC 308 X 4	308	317.6	3535	9	110.5	89	10.8	
SPC 308 X 5	308	317.6	3535	9	136	89	23.5	
SPC 308 X 6	308	317.6	3535	9	161.5	89	36.3	
SPC 315 X 2 — G	315	324.6	3020	9	59.5	51	4.3	
SPC 315 X 3	315	324.6	3535	10	85	89		2
SPC 315 X 3 — R	315	324.6	3525	9	85	65	10	
SPC 315 X 4	315	324.6	3535	9	110.5	89	10.8	
SPC 315 X 4 — R	315	324.6	3525	9	110.5	65	22.8	
SPC 315 X 5	315	324.6	3535	9	136	89	23.5	
SPC 315 X 5 — R	315	324.6	3525	9	136	65	35.5	
SPC 315 X 6	315	324.6	3535	9	161.5	89	36.3	
SPC 315 X 6 — R	315	324.6	3525	9	161.5	65	48.3	
SPC 315 X 8	315	324.6	4040	7	212.5	102	55.3	
SPC 315 X 8 — R	315	324.6	3525	9	212.5	65	73.8	
SPC 315 X 10	315	324.6	4545	7	263.5	114	74.8	
SPC 335 X 2 — G	335	344.6	3020	12	59.5	51	4.3	
SPC 335 X 3	335	344.6	3535	11	85	89		2
SPC 335 X 3 — R	335	344.6	3525	12	85	65	10	
SPC 335 X 4	335	344.6	3535	12	110.5	89	10.8	



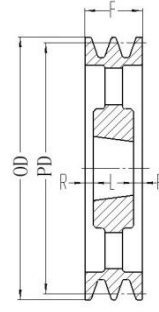
Type 7



Type 9

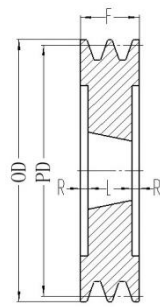


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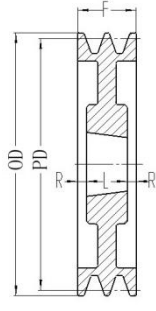


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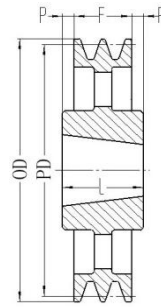
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 335 X 4 — R	335	344.6	3525	12	110.5	65	22.8	
SPC 335 X 5	335	344.6	3535	9	136	89	23.5	
SPC 335 X 5 — R	335	344.6	3525	9	136	65	35.5	
SPC 335 X 6	335	344.6	3535	9	161.5	89	36.3	
SPC 335 X 6 — R	335	344.6	3525	9	161.5	65	48.3	
SPC 335 X 8	335	344.6	4040	9	212.5	102	55.3	
SPC 335 X 8 — R	335	344.6	3525	9	212.5	65	73.8	
SPC 335 X 10	335	344.6	4545	7	263.5	114	74.8	
SPC 355 X 2 — G	355	364.6	3020	12	59.5	51	4.3	2
SPC 355 X 3	355	364.6	3535	11	85	89		
SPC 355 X 3 — R	355	364.6	3525	12	85	65	10	
SPC 355 X 4	355	364.6	3535	12	110.5	89	10.8	
SPC 355 X 4 — R	355	364.6	3525	12	110.5	65	22.8	
SPC 355 X 5	355	364.6	3535	12	136	89	23.5	
SPC 355 X 5 — R	355	364.6	3525	12	136	65	35.5	
SPC 355 X 6	355	364.6	3535	9	161.5	89	36.3	
SPC 355 X 6 — R	355	364.6	3525	9	161.5	65	48.3	
SPC 355 X 8	355	364.6	4040	9	212.5	102	55.3	
SPC 355 X 8 — R	355	364.6	3525	9	212.5	65	73.8	
SPC 355 X 10	355	364.6	4040	7	263.5	102	80.8	
SPC 355 X 10 — Y	355	364.6	4545	7	263.5	114	74.8	
SPC 375 X 2 — G	375	384.6	3020	12	59.5	51	4.3	2
SPC 375 X 3	375	384.6	3535	11	85	89		
SPC 375 X 3 — R	375	384.6	3525	12	85	65	10	
SPC 375 X 4	375	384.6	3535	12	110.5	89	10.8	
SPC 375 X 4 — R	375	384.6	3525	12	110.5	65	22.8	
SPC 375 X 5	375	384.6	3535	12	136	89	23.5	
SPC 375 X 5 — R	375	384.6	3525	12	136	65	35.5	
SPC 375 X 6	375	384.6	4040	9	161.5	102	29.8	
SPC 375 X 6 — R	375	384.6	3525	9	161.5	65	48.3	
SPC 375 X 6 — Y	375	384.6	3535	9	161.5	89	36.3	
SPC 375 X 8	375	384.6	4545	9	212.5	114	49.3	
SPC 375 X 8 — R	375	384.6	4030	9	212.5	76	68.3	
SPC 375 X 10	375	384.6	4545	9	263.5	114	74.8	
SPC 375 X 10 — R	375	384.6	4535	9	263.5	89	87.3	



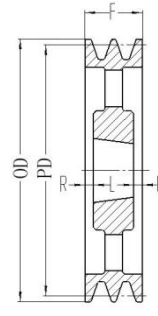
Type 7



Type 9

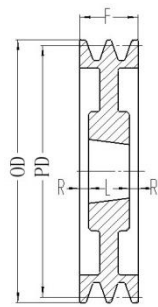


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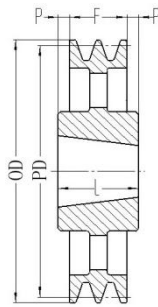


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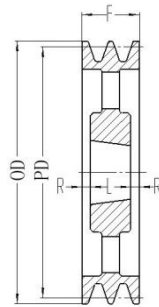
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 375 X 12	375	384.6	5050	7	314.5	127	93.8	
SPC 400 X 2 — G	400	409.6	3525	11	59.5	64		2.3
SPC 400 X 3	400	409.6	3535	11	85	89		2
SPC 400 X 3 — R	400	409.6	3525	12	85	65	10	
SPC 400 X 4	400	409.6	3535	12	110.5	89	10.8	
SPC 400 X 4 — R	400	409.6	3525	12	110.5	65	22.8	
SPC 400 X 5	400	409.6	3535	12	136	89	23.5	
SPC 400 X 5 — R	400	409.6	3525	12	136	65	35.5	
SPC 400 X 6	400	409.6	4040	9	161.5	102	29.8	
SPC 400 X 6 — R	400	409.6	3525	9	161.5	65	48.3	
SPC 400 X 8	400	409.6	4545	9	212.5	114	49.3	
SPC 400 X 8 — R	400	409.6	4030	9	212.5	76	68.3	
SPC 400 X 10	400	409.6	5050	9	263.5	127	68.3	
SPC 400 X 10 — R	400	409.6	5040	9	263.5	102	80.8	
SPC 400 X 12	400	409.6	5050	9	314.5	127	93.8	
SPC 425 X 3	425	434.6	3535	11	85	89		2
SPC 425 X 3 — R	425	434.6	3525	12	85	65	10	
SPC 425 X 4	425	434.6	3535	12	110.5	89	10.8	
SPC 425 X 4 — R	425	434.6	3525	18	110.5	65	10	
SPC 425 X 5	425	434.6	3535	12	136	89	23.5	
SPC 425 X 5 — R	425	434.6	3525	18	136	65	10	
SPC 425 X 5 — Z	425	434.6	4040	9	136	102	17	
SPC 425 X 6	425	434.6	4040	9	161.5	102	29.8	
SPC 425 X 6 — R	425	434.6	4535	18	161.5	89	43	
SPC 425 X 6 — Z	425	434.6	4545	9	161.5	114	23.8	
SPC 425 X 8	425	434.6	4545	9	212.5	114	49.3	
SPC 425 X 8 — R	425	434.6	4535	19	212.5	89	43	
SPC 425 X 10	425	434.6	5050	9	263.5	127	68.3	
SPC 425 X 10 — R	425	434.6	5040	9	263.5	102	80.8	
SPC 450 X 2	450	459.6	3535	11	59.5	89		14.8
SPC 450 X 3	450	459.6	3535	11	85	89		2
SPC 450 X 3 — R	450	459.6	3525	12	85	65	10	
SPC 450 X 4	450	459.6	3535	12	110.5	89	10.8	
SPC 450 X 4 — R	450	459.6	3525	18	110.5	65	1	
SPC 450 X 5	450	459.6	4040	12	136	102	17	



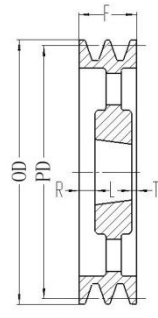
Type 9



Type 11

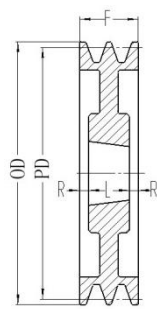


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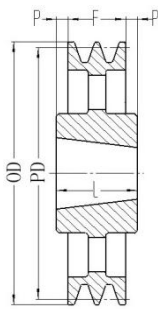


Type 18

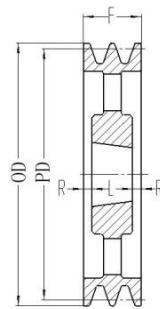
SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 450 X 5 — R	450	459.6	3525	18	136	65	10	
SPC 450 X 6	450	459.6	4545	9	161.5	114	23.8	
SPC 450 X 6 — R	450	459.6	4535	18	161.5	89	43	
SPC 450 X 8	450	459.6	5050	9	212.5	127	42.8	
SPC 450 X 8 — R	450	459.6	4535	19	212.5	89	43	
SPC 450 X 10	450	459.6	5050	9	263.5	127	68.3	
SPC 450 X 10 — R	450	459.6	5040	9	263.5	102	80.8	
SPC 450 X 12	450	459.6	5050	9	314.5	127	93.8	
SPC 475 X 3	475	484.6	3535	11	85	89		2
SPC 475 X 3 — R	475	484.6	3525	12	85	65	10	
SPC 475 X 4	475	484.6	3535	12	110.5	89	10.8	
SPC 475 X 4 — R	475	484.6	3525	18	110.5	65	10	
SPC 475 X 5	475	484.6	4040	12	136	102	17	
SPC 475 X 5 — R	475	484.6	3525	18	136	65	10	
SPC 475 X 6	475	484.6	4545	9	161.5	114	23.8	
SPC 475 X 6 — R	475	484.6	4535	18	161.5	89	43	
SPC 475 X 8	475	484.6	5050	9	212.5	127	42.8	
SPC 475 X 8 — R	475	484.6	4535	18	212.5	89	43	
SPC 475 X 10	475	484.6	5050	9	263.5	127	68.3	
SPC 500 X 3	500	509.6	3535	11	85	89		2
SPC 500 X 3 — R	500	509.6	3525	12	85	65	10	
SPC 500 X 4	500	509.6	3535	12	110.5	89	10.8	
SPC 500 X 4 — R	500	509.6	3525	18	110.5	65	10	
SPC 500 X 5	500	509.6	4040	12	136	102	17	
SPC 500 X 5 — R	500	509.6	3525	18	136	65	10	
SPC 500 X 6	500	509.6	4545	12	161.5	114	23.8	
SPC 500 X 6 — R	500	509.6	4535	18	161.5	89	43	
SPC 500 X 8	500	509.6	5050	9	212.5	127	42.8	
SPC 500 X 8 — R	500	509.6	4535	18	212.5	89	43	
SPC 500 X 10	500	509.6	5050	9	263.5	127	68.3	
SPC 500 X 12	500	509.6	5050	9	314.5	127	93.8	
SPC 530 X 3	530	539.6	3535	11	85	89		2
SPC 530 X 3 — R	530	539.6	3525	12	85	65	10	
SPC 530 X 4	530	539.6	4040	12	110.5	102	4.3	
SPC 530 X 4 — R	530	539.6	3525	18	110.5	65	10	



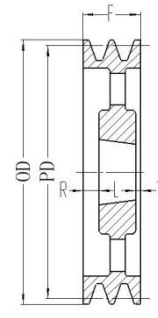
Type 9



Type 11

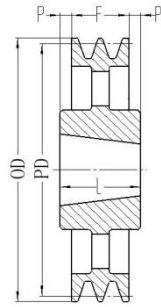


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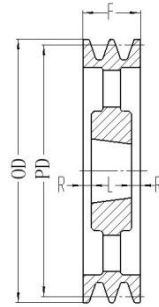


Type 18

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 530 X 4 — Y	530	539.6	3535	18	110.5	89	0	
SPC 530 X 5	530	539.6	4545	12	136	114	11	
SPC 530 X 5 — R	530	539.6	4535	18	136	89	43	
SPC 530 X 5 — Y	530	539.6	4040	12	136	102	17	
SPC 530 X 6	530	539.6	5050	12	161.5	127	17.3	
SPC 530 X 6 — R	530	539.6	4535	18	161.5	89	43	
SPC 530 X 8	530	539.6	5050	9	212.5	127	42.8	
SPC 530 X 8 — R	530	539.6	4535	18	212.5	89	43	
SPC 530 X 10	530	539.6	5050	9	263.5	127	68.3	
SPC 560 X 2	560	569.6	3535	11	59.5	89		14.8
SPC 560 X 3	560	569.6	3535	11	85	89		2
SPC 560 X 3 — R	560	569.6	3525	12	85	65	10	
SPC 560 X 4	560	569.6	4040	12	110.5	102	4.3	
SPC 560 X 4 — R	560	569.6	3525	18	110.5	65	10	
SPC 560 X 5	560	569.6	4545	12	136	114	11	
SPC 560 X 5 — R	560	569.6	4535	18	136	89	43	
SPC 560 X 6	560	569.6	5050	12	161.5	127	17.3	
SPC 560 X 6 — R	560	569.6	4535	18	161.5	89	43	
SPC 560 X 8	560	569.6	5050	12	212.5	127	42.8	
SPC 560 X 8 — R	560	569.6	4535	18	212.5	89	43	
SPC 560 X 10	560	569.6	5050	12	263.5	127	68.3	
SPC 560 X 10 — R	560	569.6	5040	12	263.5	102	80.8	
SPC 560 X 12	560	569.6	5050	12	314.5	127	93.8	
SPC 630 X 3	630	639.6	4040	11	85	102		8.5
SPC 630 X 3 — R	630	639.6	4030	12	85	76	4.5	
SPC 630 X 4	630	639.6	4545	11	110.5	114		1.8
SPC 630 X 4 — R	630	639.6	4030	18	110.5	76	4.5	
SPC 630 X 5	630	639.6	5050	12	136	127	4.5	
SPC 630 X 5 — R	630	639.6	4535	18	136	89	36.5	
SPC 630 X 5 — Y	630	639.6	4545	16	136	114	22	
SPC 630 X 6	630	639.6	5050	12	161.5	127	17.3	
SPC 630 X 6 — R	630	639.6	4535	12	161.5	89	36.3	
SPC 630 X 8	630	639.6	5050	12	212.5	127	42.8	
SPC 630 X 8 — R	630	639.6	4535	18	212.5	89	36.5	
SPC 630 X 10	630	639.6	5050	12	263.5	127	68.3	

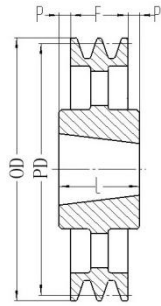


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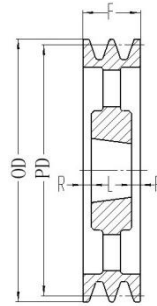


Type 12

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 630 X 12	630	639.6	5050	12	314.5	127	93.8	
SPC 710 X 3	710	719.6	4040	11	85	102		8.5
SPC 710 X 3 — R	710	719.6	4030	12	85	76	4.5	
SPC 710 X 4	710	719.6	4040	12	110.5	102	4.3	
SPC 710 X 4 — R	710	719.6	4030	12	110.5	76	17.3	
SPC 710 X 4 — Y	710	719.6	4545	11	110.5	114		1.8
SPC 710 X 5	710	719.6	5050	12	136	127	4.5	
SPC 710 X 5 — R	710	719.6	5040	12	136	102	17	
SPC 710 X 6	710	719.6	5050	12	161.5	127	17.3	
SPC 710 X 6 — R	710	719.6	5040	12	161.5	102	29.8	
SPC 710 X 8	710	719.6	5050	12	212.5	127	42.8	
SPC 710 X 8 — R	710	719.6	5040	12	212.5	102	55.3	
SPC 710 X 10	710	719.6	5050	12	263.5	127	68.3	
SPC 710 X 12	710	719.6	5050	12	314.5	127	93.8	
SPC 800 X 3	800	809.6	4545	11	85	114		14.5
SPC 800 X 3 — R	800	809.6	4535	11	85	89		2
SPC 800 X 4	800	809.6	5050	11	110.5	127		8.3
SPC 800 X 4 — R	800	809.6	5040	12	110.5	102	4.3	
SPC 800 X 5	800	809.6	5050	12	136	127	4.5	
SPC 800 X 5 — R	800	809.6	5040	12	136	102	17	
SPC 800 X 6	800	809.6	5050	12	161.5	127	17.3	
SPC 800 X 6 — R	800	809.6	5040	12	161.5	102	29.8	
SPC 800 X 8	800	809.6	5050	12	212.5	127	42.8	
SPC 800 X 8 — R	800	809.6	5040	12	212.5	102	55.3	
SPC 800 X 10	800	809.6	5050	12	263.5	127	68.3	
SPC 800 X 10 — R	800	809.6	5040	12	263.5	102	80.8	
SPC 800 X 12	800	809.6	5050	12	314.5	127	93.8	
SPC 1000 X 3	1000	1009.6	5050	11	85	127		21
SPC 1000 X 3 — R	1000	1009.6	5040	11	85	102		8.5
SPC 1000 X 4	1000	1009.6	5050	11	110.5	127		8.3
SPC 1000 X 4 — R	1000	1009.6	5040	12	110.5	102	4.3	
SPC 1000 X 5	1000	1009.6	5050	12	136	127	4.5	
SPC 1000 X 5 — R	1000	1009.6	5040	12	136	102	17	
SPC 1000 X 6	1000	1009.6	5050	12	161.5	127	17.3	
SPC 1000 X 6 — R	1000	1009.6	5040	12	161.5	102	29.8	



Type 11



Type 12

SIZE	PD (mm)	OD (mm)	BUSH No.	TYPE	DIMENSIONS (mm)			
					F	L	R	P
SPC 1000 X 8	1000	1009.6	5050	12	212.5	127	42.8	
SPC 1000 X 8 — R	1000	1009.6	5040	12	212.5	102	55.3	
SPC 1000 X 10	1000	1009.6	5050	12	263.5	127	68.3	
SPC 1000 X 12	1000	1009.6	6050	12	314.5	127	93.8	
SPC 1250 X 3	1250	1259.6	5050	11	85	127		21
SPC 1250 X 4	1250	1259.6	5050	11	110.5	127		8.3
SPC 1250 X 5	1250	1259.6	5050	12	136	127	4.5	
SPC 1250 X 5 — R	1250	1259.6	5040	12	136	102	17	
SPC 1250 X 6	1250	1259.6	5050	12	161.5	127	17.3	
SPC 1250 X 6 — R	1250	1259.6	5040	12	161.5	102	29.8	
SPC 1250 X 8	1250	1259.6	5050	12	212.5	127	42.8	
SPC 1250 X 8 — R	1250	1259.6	5040	12	212.5	102	55.3	
SPC 1250 X 10	1250	1259.6	5050	12	263.5	127	68.3	

INSTALLATION INSTRUCTION FOR PULLEYS
SCREW TIGHTENING TORQUES

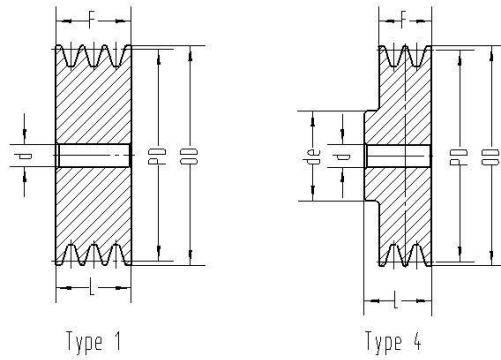
TO ASSEMBLE

1. Clean and degrease the bore and taper surfaces of the bush and the tapered bore of the pulley ,insert the bush into the pulley hub and line up holes(half thread holes must line up with half straight holes).
2. Lightly oil the grub (bush size 1008 to 3030)or the cap screws(bush size 3535 to 5050) and screw them in do not tighten yet.
3. Clean and degrease the shaft .Fit pulley with taper bush on shaft and locate in desired position.
4. When using a key it should first be fitted in the shaft keyway. There should be a top clearance between the keyway in the bore.
5. Using a hexagon socket wrench(DIN911) gradually and tighten the grub cap screws in accordance with the torques as listed in the schedule of screw tightening for torques.
6. When the drive has been operating under load for period(half to one hour)check and ensure that the screws remain at the appropriate tightening torque.
7. In order to eliminate the ingress of dirt fill all empty holes with vaseline.

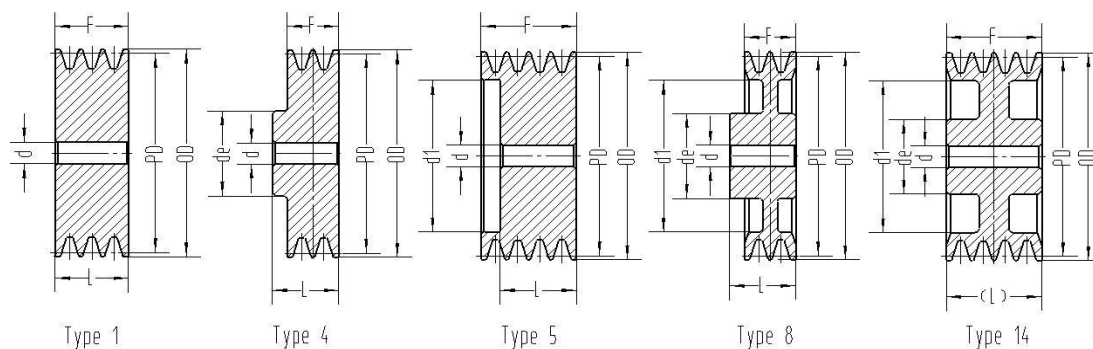
REMOVAL

1. Loosen and remove all the screws and place them in holes in bushing.
2. Tighten the screws alternatively till the hub's grip on bushing is loosened. The inner bore of bushing can be slid on the shaft.
3. Remove the bushing from the shaft.

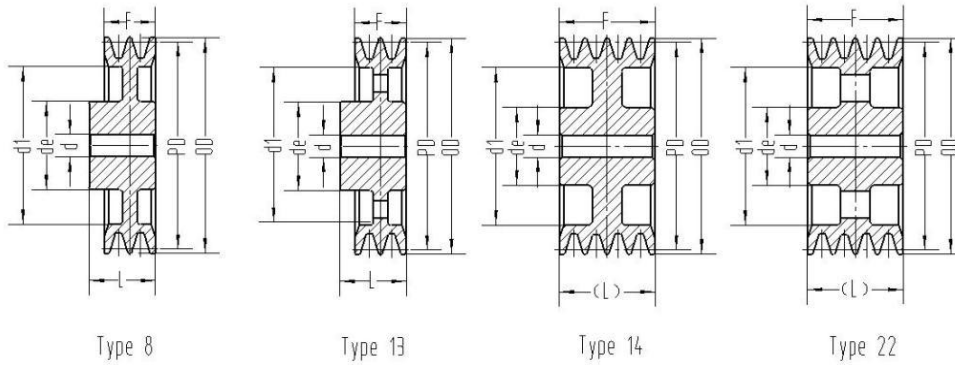
BUSH NO.	SCREW TIGHTNING TORQUES(Nm)	SCREW	
		QUANTITY	SIZE
1008 1108	5.6	2	1/4" BSW
1210 1215	20	2	3/8" BSW
1310 1315	20	2	3/8" BSW
1610 1615	20	2	3/8" BSW
2012 2017	31	2	7/16" BSW
2517 2525	48	2	1/2" BSW
3020 3030	90	2	5/8" BSW
3525 3535	112	3	1/2" BSW
4030 4040	170	3	5/8" BSW
4535 4545	192	3	3/4" BSW
5040 5050	271	3	7/8" BSW



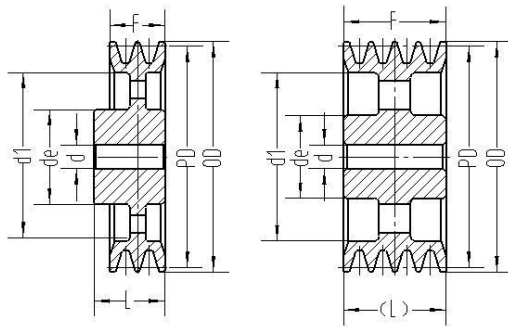
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d 1
SPZ 40 X 1	40	44	16	4	35	8	28	
SPZ 45 X 1	45	49	16	4	40	8	28	
SPZ 45 X 2 - m	45	49	28	4	35	8	35	
SPZ 50 X 1 - m	50	54	16	4	40	8	28	
SPZ 50 X 2 - m	50	54	28	4	40	8	35	
SPZ 50 X 3 - m	50	54	40	1		8	40	
SPZ 50 X 4 - m	50	54	52	1		8	52	
SPZ 56 X 1 - m	56	60	16	4	45	8	28	
SPZ 56 X 2 - m	56	60	28	4	45	8	35	
SPZ 56 X 3 - m	56	60	40	1		8	40	
SPZ 56 X 4 - m	56	60	52	1		8	52	
SPZ 63 X 1 - m	63	67	16	4	50	10	28	
SPZ 63 X 2 - m	63	67	28	4	50	10	35	
SPZ 63 X 3 - m	63	67	40	1		10	40	
SPZ 63 X 4 - m	63	67	52	1		10	52	
SPZ 67 X 1 - m	67	71	16	4	50	10	28	
SPZ 67 X 2 - m	67	71	28	4	50	10	35	
SPZ 67 X 3 - m	67	71	40	1		10	40	
SPZ 67 X 4	67	71	52	1		10	52	
SPZ 71 X 1 - m	71	75	16	4	50	10	28	
SPZ 71 X 2 - m	71	75	28	4	55	10	35	
SPZ 71 X 3 - m	71	75	40	1		10	40	
SPZ 71 X 4 - m	71	75	52	1		10	52	
SPZ 75 X 1 - m	75	79	16	4	50	10	28	
SPZ 75 X 2 - m	75	79	28	4	60	10	35	
SPZ 75 X 3 - m	75	79	40	1		10	40	
SPZ 75 X 4	75	79	52	1		10	52	
SPZ 80 X 1 - m	80	84	16	4	50	10	28	
SPZ 80 X 2 - m	80	84	28	4	60	15	35	
SPZ 80 X 3 - m	80	84	40	1		15	40	
SPZ 80 X 4 - m	80	84	52	1		15	52	
SPZ 85 X 1 - m	85	89	16	4	50	10	28	
SPZ 85 X 2 - m	85	89	28	4	60	15	35	
SPZ 85 X 3 - m	85	89	40	1		15	40	
SPZ 90 X 1 - m	90	94	16	4	50	10	28	



SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPZ 90 X 2 - m	90	94	28	4	60	15	35	
SPZ 90 X 3 - m	90	94	40	1				
SPZ 90 X 4 - m	90	94	52	1				
SPZ 95 X 1 - m	95	99	16	4	50	10	28	
SPZ 95 X 2 - m	95	99	28	4	60	15	35	
SPZ 95 X 3 - m	95	99	40	1				
SPZ 95 X 4 - m	95	99	52	1				
SPZ 95 X 5	95	99	64	5				
SPZ 100 X 1 - m	100	104	16	4	50	10	28	
SPZ 100 X 2 - m	100	104	28	4	60	15	35	
SPZ 100 X 3 - m	100	104	40	1				
SPZ 100 X 4 - m	100	104	52	1				
SPZ 106 X 1 - m	106	110	16	4	50	15	28	
SPZ 106 X 2 - m	106	110	28	4	60	15	35	
SPZ 106 X 3 - m	106	110	40	1				
SPZ 106 X 4 - m	106	110	52	1				
SPZ 112 X 1 - m	112	116	16	4	50	15	28	
SPZ 112 X 2 - m	112	116	28	4	60	15	35	
SPZ 112 X 3 - m	112	116	40	1				
SPZ 112 X 4 - m	112	116	52	1				
SPZ 118 X 1 - m	118	122	16	8	50	20	28	93
SPZ 118 X 2 - m	118	122	28	8	60	20	35	91
SPZ 118 X 3 - m	118	122	40	1				
SPZ 118 X 4 - m	118	122	52	1				
SPZ 125 X 1 - m	125	129	16	8	50	20	28	100
SPZ 125 X 2 - m	125	129	28	8	60	20	35	97
SPZ 125 X 3 - m	125	129	40	1				
SPZ 125 X 4 - m	125	129	52	14				
SPZ 132 X 1 - m	132	136	16	8	50	20	28	106
SPZ 132 X 2 - m	132	136	28	8	60	20	40	105
SPZ 132 X 3 - m	132	136	40	14				
SPZ 132 X 4 - m	132	136	52	14				
SPZ 132 X 4 - m	132	136	52	14	72	20	52	104



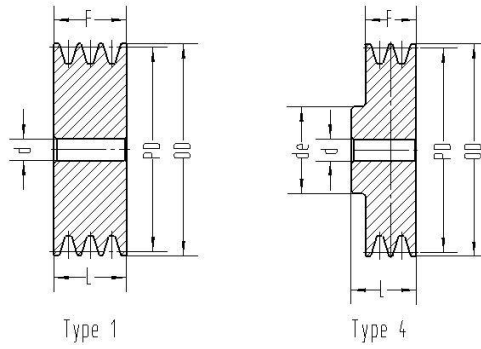
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPZ 140 X 1 - m	140	144	16	8	50	20	28	114
SPZ 140 X 2 - m	140	144	28	8	60	20	40	112
SPZ 140 X 3 - m	140	144	40	14	60	20	40	112
SPZ 140 X 4 - m	140	144	52	14	75	20	52	112
SPZ 150 X 1 - m	150	154	16	8	50	20	28	124
SPZ 150 X 2 - m	150	154	28	8	60	20	40	122
SPZ 150 X 3 - m	150	154	40	14	60	20	40	122
SPZ 150 X 4 - m	150	154	52	14	65	20	52	122
SPZ 160 X 1 - m	160	164	16	13	55	20	32	134
SPZ 160 X 2 - m	160	164	28	13	60	20	40	132
SPZ 160 X 3 - m	160	164	40	8	65	20	45	132
SPZ 160 X 4 - m	160	164	52	14	75	20	52	132
SPZ 180 X 1 - m	180	184	16	13	55	20	32	154
SPZ 180 X 2 - m	180	184	28	13	60	20	40	152
SPZ 180 X 3 - m	180	184	40	13	65	20	45	152
SPZ 180 X 4 - m	180	184	52	14	75	20	52	152
SPZ 200 X 1 - m	200	204	16	13	55	20	32	174
SPZ 200 X 2 - m	200	204	28	13	60	20	40	172
SPZ 200 X 3 - m	200	204	40	13	65	20	45	172
SPZ 200 X 4 - m	200	204	52	22	75	20	52	172
SPZ 224 X 1 - m	224	228	16	13	55	20	32	198
SPZ 224 X 2 - m	224	228	28	13	60	20	40	196
SPZ 224 X 3 - m	224	228	40	13	65	20	45	196
SPZ 224 X 4 - m	224	228	52	22	75	20	52	196
SPZ 250 X 1 - m	250	254	16	13	55	20	32	224
SPZ 250 X 2 - m	250	254	28	13	60	20	40	222
SPZ 250 X 3 - m	250	254	40	13	65	20	45	222
SPZ 250 X 4 - m	250	254	52	22	75	20	52	222
SPZ 280 X 1 - m	280	284	16	13	65	20	32	252
SPZ 280 X 2 - m	280	284	28	13	65	20	45	252
SPZ 280 X 3 - m	280	284	40	13	75	20	50	252
SPZ 280 X 4 - m	280	284	52	22	75	20	52	252



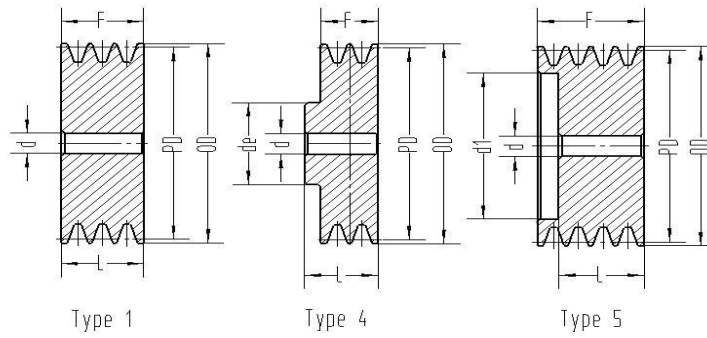
Type 13

Type 22

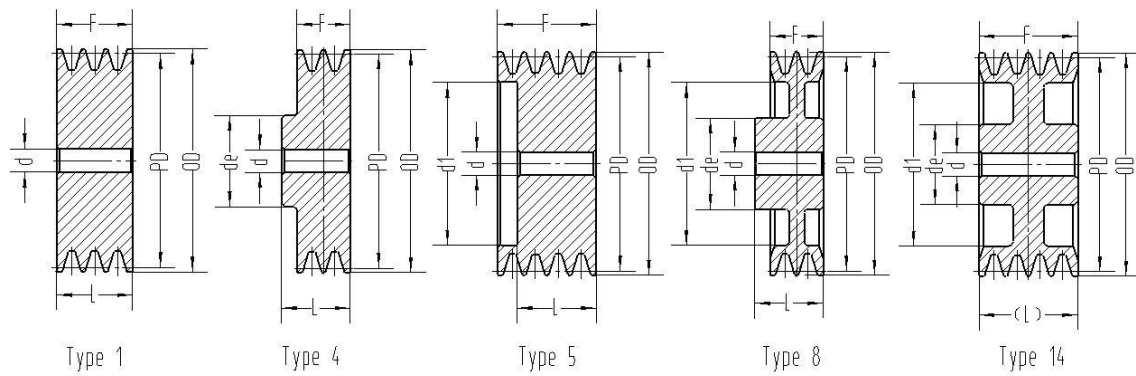
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPZ 300 X 2 - m	300	304	28	13	65	20	45	272
SPZ 300 X 3 - m	300	304	40	13	75	20	50	272
SPZ 300 X 4 - m	300	304	52	22	75	20	52	272
SPZ 315 X 1 - m	315	319	16	13	65	20	32	287
SPZ 315 X 2 - m	315	319	28	13	65	20	45	287
SPZ 315 X 3 - m	315	319	40	13	75	20	50	287
SPZ 315 X 4 - m	315	319	52	13	85	20	55	287
SPZ 355 X 1	355	359	16	13	65	20	32	326
SPZ 355 X 4	355	359	52	13	85	20	55	326



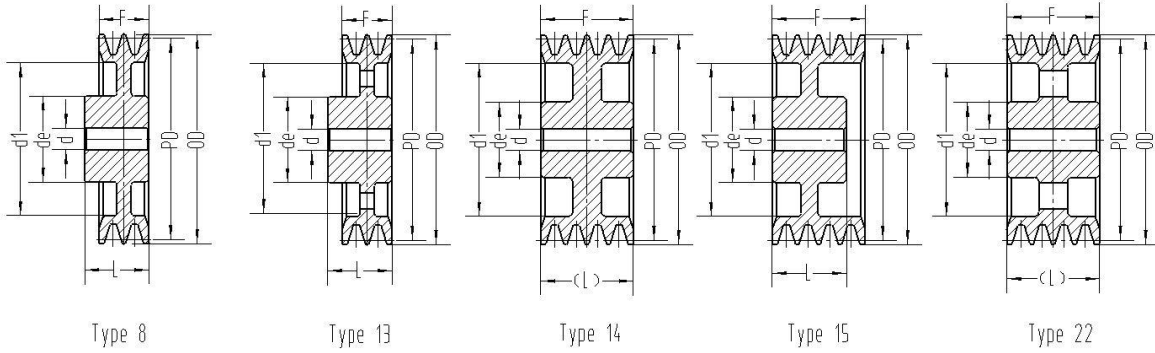
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 50 X 1	50	55.6	20	4	40	10	35	
SPA 50 X 1 - m	50	55.6	20	4	45	10	35	
SPA 50 X 2	50	55.6	35	4	40	10	45	
SPA 50 X 2 - m	50	55.6	35	4	50	10	45	
SPA 56 X 1	56	61.6	20	4	40	10	35	
SPA 56 X 1 - m	56	61.6	20	4	45	10	35	
SPA 56 X 2	56	61.6	35	4	40	10	45	
SPA 56 X 2 - m	56	61.6	35	4	50	10	45	
SPA 56 X 3	56	61.6	50	1	10	50		
SPA 60 X 1	60	65.6	20	4	40	10	35	
SPA 60 X 2	60	65.6	35	4	40	10	45	
SPA 60 X 3	60	65.6	50	1	10	50		
SPA 63 X 1	63	68.6	20	4	40	10	35	
SPA 63 X 1 - m	63	68.6	20	4	50	10	35	
SPA 63 X 2	63	68.6	35	4	40	10	45	
SPA 63 X 2 - m	63	68.6	35	4	50	10	45	
SPA 63 X 3	63	68.6	50	1	10	50		
SPA 71 X 1	71	76.6	20	4	40	10	40	
SPA 71 X 1 - m	71	76.6	20	4	55	10	35	
SPA 71 X 2	71	76.6	35	4	50	10	45	
SPA 71 X 2 - m	71	76.6	35	4	55	10	45	
SPA 71 X 3	71	76.6	50	1	10	50		
SPA 71 X 4	71	76.6	65	1	10	65		
SPA 75 X 1	75	80.6	20	4	40	10	40	
SPA 75 X 1 - m	75	80.6	20	4	55	10	35	
SPA 75 X 2	75	80.6	35	4	50	10	45	
SPA 75 X 2 - m	75	80.6	35	4	60	10	45	
SPA 75 X 3	75	80.6	50	1	10	50		
SPA 75 X 3 - m	75	80.6	50	1	15	50		
SPA 75 X 4	75	80.6	65	1	10	65		
SPA 75 X 5	75	80.6	80	1	10	80		
SPA 80 X 1	80	85.6	20	4	45	10	40	
SPA 80 X 1 - m	80	85.6	20	4	55	10	35	
SPA 80 X 2	80	85.6	35	4	50	10	45	
SPA 80 X 2 - m	80	85.6	35	4	60	15	45	
SPA 80 X 3	80	85.6	50	1	15	50		



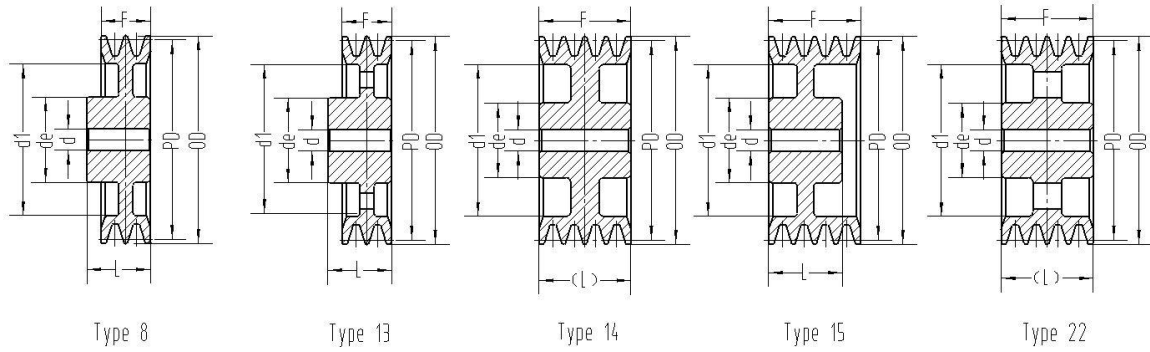
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 80 X 4	80	85.6	65	1		15	65	
SPA 80 X 5	80	85.6	80	1		15	80	
SPA 85 X 1	85	90.6	20	4	45	10	40	
SPA 85 X 1 - m	85	90.6	20	4	55	10	35	
SPA 85 X 2	85	90.6	35	4	50	10	45	
SPA 85 X 2 - m	85	90.6	35	4	60	15	45	
SPA 85 X 3	85	90.6	50	1		15	50	
SPA 85 X 4	85	90.6	65	1		15	65	
SPA 85 X 5	85	90.6	80	1		15	80	
SPA 90 X 1	90	95.6	20	4	45	10	40	
SPA 90 X 1 - m	90	95.6	20	4	55	10	35	
SPA 90 X 2	90	95.6	35	4	60	15	45	
SPA 90 X 3	90	95.6	50	1		15	50	
SPA 90 X 4	90	95.6	65	1		15	65	
SPA 90 X 5	90	95.6	80	1		15	80	
SPA 95 X 1	95	100.6	20	4	45	10	40	
SPA 95 X 1 - m	95	100.6	20	4	55	15	35	
SPA 95 X 2	95	100.6	35	4	60	15	45	
SPA 95 X 3	95	100.6	50	1		15	50	
SPA 95 X 4	95	100.6	65	1		15	65	
SPA 95 X 5	95	100.6	80	1		15	80	
SPA 100 X 1	100	105.6	20	4	48	10	40	
SPA 100 X 1 - m	100	105.6	20	4	55	15	35	
SPA 100 X 2	100	105.6	35	4	60	15	45	
SPA 100 X 3	100	105.6	50	1		15	50	
SPA 100 X 4	100	105.6	65	5		15	52	67
SPA 100 X 5	100	105.6	80	5		15	52	67
SPA 105 X 1	105	110.6	20	4	48	10	40	
SPA 105 X 2	105	110.6	35	4	60	15	45	
SPA 106 X 1	106	111.6	20	4	48	10	40	
SPA 106 X 1 - m	106	111.6	20	4	55	15	35	
SPA 106 X 2	106	111.6	35	4	60	15	45	
SPA 106 X 3	106	111.6	50	1		15	50	
SPA 112 X 1	112	117.6	20	4	48	10	40	



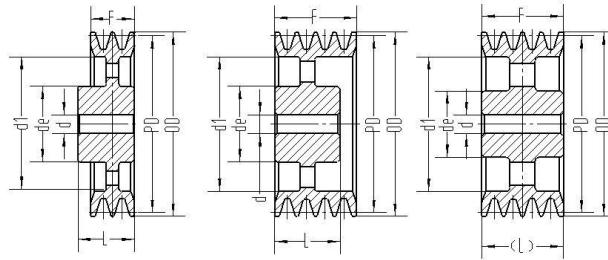
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 112 X 1 - m	112	117.6	20	4	55	15	35	
SPA 112 X 2	112	117.6	35	4	60	15	45	
SPA 112 X 3	112	117.6	50	1		15	50	
SPA 112 X 4	112	117.6	65	5		15	52	79
SPA 112 X 5	112	117.6	80	5		15	52	79
SPA 118 X 1	118	123.6	20	4	60	15	40	
SPA 118 X 1 - m	118	123.6	20	8	55	20	35	87
SPA 118 X 2	118	123.6	35	4	60	15	45	
SPA 118 X 2 - m	118	123.6	35	4	60	20	45	
SPA 118 X 3	118	123.6	50	1		15	50	
SPA 118 X 4	118	123.6	65	5		15	52	85
SPA 118 X 5	118	123.6	80	5		15	52	85
SPA 120 X 1	120	125.6	20	4	60	15	40	
SPA 120 X 2	120	125.6	35	4	60	15	50	
SPA 120 X 3	120	125.6	50	1		15	50	
SPA 125 X 1	125	130.6	20	4	60	15	40	
SPA 125 X 1 - m	125	130.6	20	8	55	20	35	94
SPA 125 X 2	125	130.6	35	4	60	15	45	
SPA 125 X 2 - m	125	130.6	35	8	60	20	45	91
SPA 125 X 3	125	130.6	50	1		15	50	
SPA 125 X 4	125	130.6	65	5		15	52	92
SPA 132 X 1	132	137.6	20	4	60	15	40	
SPA 132 X 1 - m	132	137.6	20	8	50	20	35	101
SPA 132 X 2	132	137.6	35	4	60	15	45	
SPA 132 X 2 - m	132	137.6	35	8	60	20	45	98
SPA 132 X 3	132	137.6	50	1		15	50	
SPA 132 X 4	132	137.6	65	5		15	52	99
SPA 132 X 5	132	137.6	80	5		15	52	99
SPA 140 X 1	140	145.6	20	8	60	15	40	107
SPA 140 X 1 - m	140	145.6	20	8	50	20	35	109
SPA 140 X 2	140	145.6	35	8	60	15	45	107
SPA 140 X 2 - m	140	145.6	35	8	60	20	45	105
SPA 140 X 3	140	145.6	50	8	65	20	52	107



SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 140 X 3 - m	140	145.6	50	14	65	20	50	105
SPA 140 X 4	140	145.6	65	5		20	52	107
SPA 140 X 5	140	145.6	80	5		20	52	107
SPA 150 X 1	150	155.6	20	8	60	15	40	117
SPA 150 X 1 - m	150	155.6	20	8	60	20	40	119
SPA 150 X 2	150	155.6	35	8	60	15	45	117
SPA 150 X 2 - m	150	155.6	35	8	60	20	45	115
SPA 150 X 3	150	155.6	50	8	65	20	52	117
SPA 150 X 3 - Y	150	155.6	50	8	70	20	52	117
SPA 150 X 3 - m	150	155.6	50	14	65	20	50	115
SPA 150 X 4	150	155.6	65	5		20	52	117
SPA 150 X 5	150	155.6	80	5		20	52	117
SPA 160 X 1	160	165.6	20	8	60	15	40	127
SPA 160 X 1 - m	160	165.6	20	8	60	20	40	129
SPA 160 X 2	160	165.6	35	8	60	15	45	127
SPA 160 X 2 - m	160	165.6	35	8	60	20	45	125
SPA 160 X 3	160	165.6	50	8	70	20	52	127
SPA 160 X 3 - m	160	165.6	50	14	65	20	50	125
SPA 160 X 4	160	165.6	65	15	70	20	52	127
SPA 160 X 5	160	165.6	80	15	80	20	52	127
SPA 170 X 1	170	175.6	20	8	60	15	40	137
SPA 170 X 2	170	175.6	35	8	60	15	45	137
SPA 170 X 3	170	175.6	50	8	70	20	52	137
SPA 170 X 3 - m	170	175.6	50	14	65	20	50	135
SPA 170 X 4	170	175.6	65	15	80	20	52	137
SPA 170 X 5	170	175.6	80	15	80	20	52	137
SPA 180 X 1	180	185.6	20	8	65	20	40	147
SPA 180 X 1 - m	180	185.6	20	13	60	20	40	149
SPA 180 X 2	180	185.6	35	8	70	20	50	147
SPA 180 X 2 - m	180	185.6	35	13	65	20	50	145
SPA 180 X 3	180	185.6	50	8	70	20	52	147
SPA 180 X 3 - m	180	185.6	50	22	65	20	50	145
SPA 180 X 4	180	185.6	65	15	80	20	60	147
SPA 180 X 5	180	185.6	80	15	80	20	65	147
SPA 190 X 1 - m	190	195.6	20	13	60	20	40	159
SPA 190 X 2	190	195.6	35	8	70	20	50	157



SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 190 X 2 - m	190	195.6	35	13	65	20	50	155
SPA 190 X 3 - m	190	195.6	50	22	65	20	50	155
SPA 190 X 4	190	195.6	65	15	80	20	60	157
SPA 200 X 1	200	205.6	20	8	65	20	45	167
SPA 200 X 1 - m	200	205.6	20	13	60	20	40	169
SPA 200 X 2	200	205.6	35	8	70	20	50	167
SPA 200 X 2 - m	200	205.6	35	13	65	20	50	165
SPA 200 X 3	200	205.6	50	8	70	20	52	167
SPA 200 X 3 - m	200	205.6	50	22	75	20	50	165
SPA 200 X 4	200	205.6	65	15	80	20	60	167
SPA 200 X 5	200	205.6	80	15	80	20	65	167
SPA 212 X 1	212	217.6	20	8	65	20	45	179
SPA 212 X 2 - m	212	217.6	35	13	65	20	50	177
SPA 212 X 3	212	217.6	50	8	80	20	52	179
SPA 224 X 1	224	229.6	20	8	65	20	45	191
SPA 224 X 1 - m	224	229.6	20	13	60	20	40	193
SPA 224 X 2	224	229.6	35	8	70	20	50	191
SPA 224 X 2 - m	224	229.6	35	13	65	20	50	189
SPA 224 X 3	224	229.6	50	8	80	20	52	191
SPA 224 X 3 - m	224	229.6	50	22	75	20	50	189
SPA 224 X 4	224	229.6	65	15	90	20	60	191
SPA 224 X 5	224	229.6	80	15	90	20	65	192
SPA 236 X 1	236	241.6	20	8	65	20	45	203
SPA 236 X 1 - m	236	241.6	20	13	60	20	40	205
SPA 236 X 2 - m	236	241.6	35	13	65	20	50	201
SPA 236 X 3 - m	236	241.6	50	22	75	20	50	201
SPA 250 X 1	250	255.6	20	8	75	20	50	217
SPA 250 X 1 - m	250	255.6	20	13	65	20	40	219
SPA 250 X 2	250	255.6	35	8	75	20	50	217
SPA 250 X 2 - m	250	255.6	35	13	75	20	50	215
SPA 250 X 3	250	255.6	50	8	80	20	60	217
SPA 250 X 3 - m	250	255.6	50	22	75	20	50	215
SPA 250 X 4	250	255.6	65	14	90	20	65	217
SPA 250 X 5	250	255.6	80	15	90	20	65	217
SPA 280 X 1	280	285.6	20	13	75	20	50	247
SPA 280 X 1 - m	280	285.6	20	13	65	20	50	249

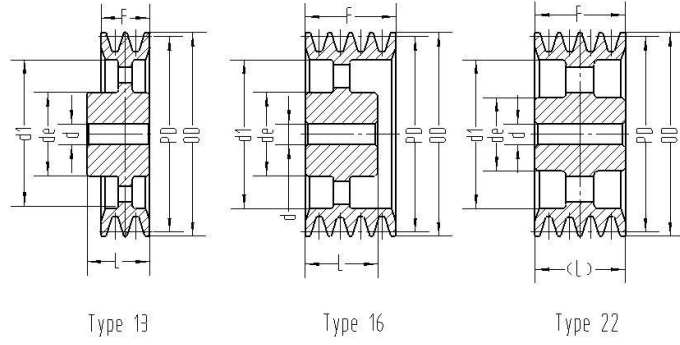


Type 13

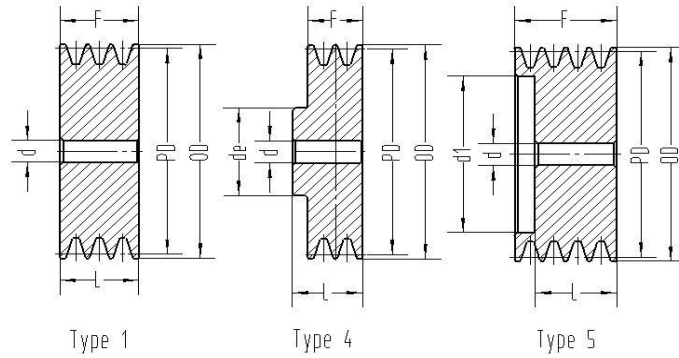
Type 16

Type 22

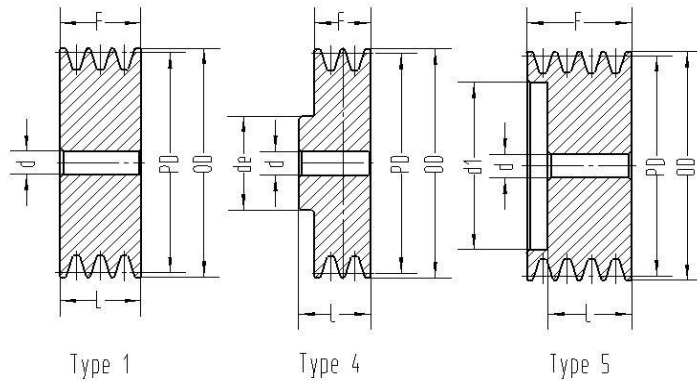
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 280 X 2	280	285.6	35	13	80	20	50	247
SPA 280 X 2 - m	280	285.6	35	13	75	20	50	245
SPA 280 X 3	280	285.6	50	13	80	20	60	247
SPA 280 X 3 - m	280	285.6	50	22	75	20	50	245
SPA 280 X 4	280	285.6	65	22	90	20	65	247
SPA 280 X 5	280	285.6	80	16	100	25	65	247
SPA 300 X 1	300	305.6	20	13	75	20	50	267
SPA 300 X 1 - m	300	305.6	20	13	65	20	50	269
SPA 300 X 2	300	305.6	35	13	80	20	50	267
SPA 300 X 2 - m	300	305.6	35	13	75	20	50	265
SPA 300 X 3	300	305.6	50	13	80	20	60	267
SPA 300 X 3 - m	300	305.6	50	13	85	20	60	265
SPA 300 X 4	300	305.6	65	22	90	20	65	267
SPA 300 X 5	300	305.6	80	16	100	25	65	267
SPA 315 X 1	315	320.6	20	13	75	20	50	282
SPA 315 X 1 - m	315	320.6	20	13	65	25	50	284
SPA 315 X 2	315	320.6	35	13	80	20	50	282
SPA 315 X 2 - m	315	320.6	35	13	75	25	50	280
SPA 315 X 3	315	320.6	50	13	90	20	60	282
SPA 315 X 3 - m	315	320.6	50	13	85	25	60	280
SPA 315 X 4	315	320.6	65	22	90	20	65	282
SPA 315 X 5	315	320.6	80	16	100	25	65	282
SPA 355 X 1	355	360.6	20	13	75	20	50	322
SPA 355 X 1 - m	355	360.6	20	13	75	25	50	324
SPA 355 X 2	355	360.6	35	13	80	20	50	322
SPA 355 X 2 - m	355	360.6	35	13	85	25	50	320
SPA 355 X 3	355	360.6	50	13	90	20	60	322
SPA 355 X 3 - m	355	360.6	50	13	85	25	60	320
SPA 355 X 4	355	360.6	65	22	95	25	65	322
SPA 355 X 5	355	360.6	80	16	100	25	65	322
SPA 400 X 1	400	405.6	20	13	90	20	50	367
SPA 400 X 1 - m	400	405.6	20	13	85	25	50	369
SPA 400 X 2	400	405.6	35	13	90	20	50	36
SPA 400 X 2 - m	400	405.6	35	13	85	25	50	365
SPA 400 X 3	400	405.6	50	13	100	25	60	367
SPA 400 X 3 - m	400	405.6	50	13	85	25	60	365



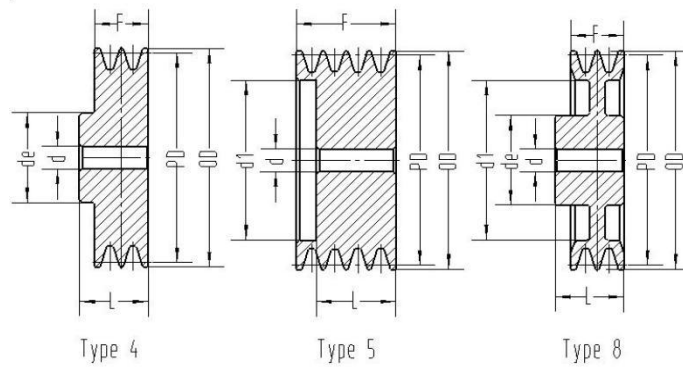
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPA 400 X 4	400	405.6	65	22	100	25	65	367
SPA 400 X 5	400	405.6	80	16	100	25	65	367
SPA 450 X 1	450	455.6	20	13	90	20	50	417
SPA 450 X 2	450	455.6	35	13	100	25	50	417
SPA 450 X 3	450	455.6	50	13	100	25	60	417
SPA 450 X 4	450	455.6	65	22	105	25	65	417
SPA 450 X 5	450	455.6	80	16	105	25	65	417
SPA 500 X 1	500	505.6	20	13	90	20	50	467
SPA 500 X 2	500	505.6	35	13	100	25	50	467
SPA 500 X 3	500	505.6	50	13	105	25	60	467
SPA 500 X 4	500	505.6	65	22	105	25	65	467
SPA 500 X 5	500	505.6	80	16	110	25	65	467
SPA 560 X 1	560	565.6	20	13	100	25	50	527
SPA 560 X 2	560	565.6	35	13	100	25	50	527
SPA 560 X 3	560	565.6	50	13	120	25	65	527
SPA 560 X 4	560	565.6	65	22	120	25	65	527
SPA 560 X 5	560	565.6	80	22	120	25	80	527
SPA 560 X 6	560	565.6	95	16	120	25	80	527
SPA 600 X 1	600	605.6	20	13	100	25	50	567
SPA 600 X 2	600	605.6	35	13	110	25	50	567
SPA 600 X 3	600	605.6	50	13	120	25	65	567
SPA 600 X 4	600	605.6	65	22	120	25	65	567
SPA 600 X 5	600	605.6	80	22	120	25	80	567
SPA 600 X 6	600	605.6	95	16	120	25	80	567
SPA 630 X 1	630	635.6	20	13	100	25	50	597
SPA 630 X 2	630	635.6	35	13	110	25	50	597
SPA 630 X 3	630	635.6	50	13	120	25	65	597
SPA 630 X 4	630	635.6	65	22	120	25	65	597
SPA 630 X 5	630	635.6	80	22	120	25	80	597
SPA 630 X 6	630	635.6	95	16	120	25	80	597



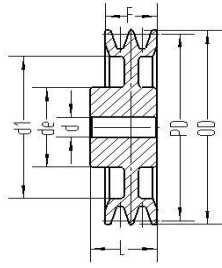
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 63 X 1	63	70	25	4	45	10	45	
SPB 63 X 2	63	70	44	4	45	10	55	
SPB 71 X 1	71	78	25	4	45	10	45	
SPB 71 X 1 - m	71	78	25	4	50	15	35	
SPB 71 X 2	71	78	44	4	45	10	55	
SPB 71 X 3	71	78	63	1		15	63	
SPB 75 X 1	75	82	25	4	50	10	45	
SPB 75 X 2	75	82	44	4	50	10	55	
SPB 80 X 1	80	87	25	4	50	10	45	
SPB 80 X 1 - m	80	87	25	4	55	15	35	
SPB 80 X 2	80	87	44	4	50	10	55	
SPB 80 X 2 - m	80	87	44	4	55	15	55	
SPB 80 X 3	80	87	63	1		15	63	
SPB 80 X 3 - m	80	87	63	5		15	50	40
SPB 80 X 4	80	87	82	1		15	82	
SPB 80 X 5	80	87	101	1		15	101	
SPB 85 X 1	85	92	25	4	50	10	45	
SPB 85 X 1 - m	85	92	25	4	55	15	35	
SPB 85 X 2 - m	85	92	44	4	60	15	55	
SPB 85 X 3 - m	85	92	63	5		15	50	45
SPB 90 X 1	90	97	25	4	50	10	45	
SPB 90 X 1 - m	90	97	25	4	55	15	35	
SPB 90 X 2	90	97	44	4	50	10	55	
SPB 90 X 2 - m	90	97	44	4	60	15	55	
SPB 90 X 3	90	97	63	1		15	63	
SPB 90 X 3 - m	90	97	63	5		15	50	50
SPB 90 X 4	90	97	82	1		15	82	
SPB 90 X 5	90	97	101	1		15	101	
SPB 95 X 1	95	102	25	4	50	10	45	
SPB 95 X 1 - m	95	102	25	4	55	15	35	
SPB 95 X 2 - m	95	102	44	4	60	15	55	
SPB 95 X 3 - m	95	102	63	5		15	50	55
SPB 95 X 4	95	102	82	1		15	82	
SPB 100 X 1	100	107	25	4	52	10	45	
SPB 100 X 1 - m	100	107	25	4	55	15	35	



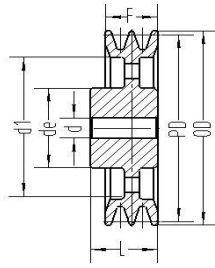
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 100 X 2	100	107	44	4	55	15	55	60
SPB 100 X 2 - m	100	107	44	4	60	15	55	
SPB 100 X 3	100	107	63	1		15	63	
SPB 100 X 3 - m	100	107	63	5		18	50	
SPB 100 X 4	100	107	82	1		15	82	
SPB 100 X 5	100	107	101	1		15	101	
SPB 106 X 1	106	113	25	4	52	10	45	
SPB 106 X 2	106	113	44	4	55	15	55	
SPB 106 X 3	106	113	63	1		15	63	
SPB 112 X 1	112	119	25	4	55	15	45	71
SPB 112 X 1 - m	112	119	25	4	55	15	35	
SPB 112 X 2	112	119	44	4	60	15	55	
SPB 112 X 2 - m	112	119	44	4	60	18	55	
SPB 112 X 3	112	119	63	1		15	63	
SPB 112 X 3 - m	112	119	63	5		18	50	
SPB 112 X 4	112	119	82	1		20	82	
SPB 112 X 5	112	119	101	1		20	101	
SPB 118 X 1	118	125	25	4	55	15	45	77
SPB 118 X 1 - m	118	125	25	4	55	20	35	
SPB 118 X 2	118	125	44	4	60	15	55	
SPB 118 X 2 - m	118	125	44	4	60	20	55	
SPB 118 X 3	118	125	63	1		15	63	
SPB 118 X 3 - m	118	125	63	5		20	50	
SPB 118 X 4	118	125	82	1		20	82	
SPB 118 X 5	118	125	101	1		20	101	
SPB 118 X 6	118	125	120	1		20	120	
SPB 125 X 1	125	132	25	4	58	15	45	83
SPB 125 X 1 - m	125	132	25	4	55	20	35	
SPB 125 X 2	125	132	44	4	60	15	55	
SPB 125 X 2 - m	125	132	44	4	60	20	55	
SPB 125 X 3	125	132	63	5		15	60	
SPB 125 X 3 - m	125	132	63	5		20	50	
SPB 125 X 4	125	132	82	5		20	60	
SPB 125 X 5	125	132	101	5		20	60	



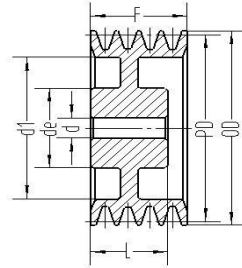
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 125 X 6	125	132	120	5		20	60	83
SPB 132 X 1	132	139	25	4	60	15	45	
SPB 132 X 1 - m	132	139	25	4	55	20	35	
SPB 132 X 2	132	139	44	4	60	15	55	
SPB 132 X 2 - m	132	139	44	4	60	20	55	
SPB 132 X 3	132	139	63	5		15	60	90
SPB 132 X 3 - m	132	139	63	5		20	50	92
SPB 132 X 4	132	139	82	5		20	60	90
SPB 132 X 5	132	139	101	5		20	60	90
SPB 132 X 6	132	139	120	5		20	60	90
SPB 140 X 1	140	147	25	4	65	20	45	
SPB 140 X 1 - m	140	147	25	8	50	20	35	101
SPB 140 X 2	140	147	44	4	65	20	55	
SPB 140 X 2 - m	140	147	44	4	60	20	55	
SPB 140 X 3	140	147	63	5		20	60	98
SPB 140 X 3 - m	140	147	63	5		22	50	99
SPB 140 X 4	140	147	82	5		20	60	98
SPB 140 X 5	140	147	101	5		20	60	98
SPB 140 X 6	140	147	120	5		20	60	98
SPB 150 X 1	150	157	25	4	65	20	45	
SPB 150 X 1 - m	150	157	25	8	50	20	40	111
SPB 150 X 2	150	157	44	4	65	20	55	
SPB 150 X 2 - m	150	157	44	8	60	20	55	107
SPB 150 X 3	150	157	63	5		20	60	108
SPB 150 X 3 - m	150	157	63	5		22	50	109
SPB 150 X 4	150	157	82	5		20	60	108
SPB 150 X 5	150	157	101	5		20	60	108
SPB 150 X 6	150	157	120	5		20	60	108
SPB 160 X 1	160	167	25	8	65	20	45	118
SPB 160 X 1 - m	160	167	25	8	60	20	40	121
SPB 160 X 2	160	167	44	8	70	20	55	118
SPB 160 X 2 - m	160	167	44	8	65	22	55	117
SPB 160 X 3	160	167	63	5		20	60	118
SPB 160 X 3 - m	160	167	63	5		22	50	119



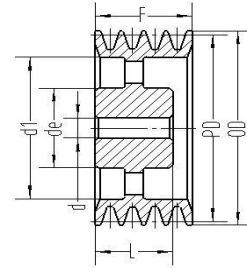
Type 8



Type 13

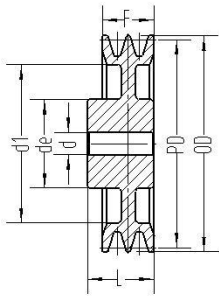


Type 15

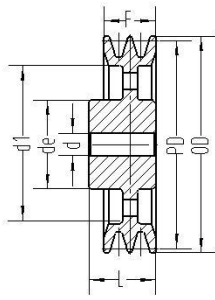


Type 16

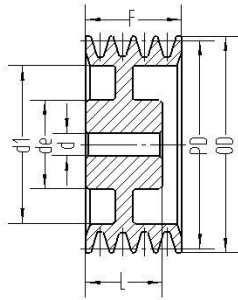
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 160 X 4	160	167	82	5		20	60	118
SPB 160 X 5	160	167	101	5		20	60	118
SPB 160 X 6	160	167	120	5		20	65	118
SPB 170 X 1	170	177	25	8	65	20	45	128
SPB 170 X 2	170	177	44	8	70	20	55	128
SPB 170 X 3	170	177	63	15	70	20	60	128
SPB 170 X 4	170	177	82	15	70	20	60	128
SPB 170 X 5	170	177	101	15	70	20	60	128
SPB 170 X 6	170	177	120	15	70	20	65	128
SPB 180 X 1	180	187	25	8	65	20	45	138
SPB 180 X 1 - m	180	187	25	13	60	20	40	141
SPB 180 X 2	180	187	44	8	70	20	55	138
SPB 180 X 2 - m	180	187	44	13	65	22	50	137
SPB 180 X 3	180	187	63	15	80	20	60	138
SPB 180 X 3 - m	180	187	63	15	75	22	50	137
SPB 180 X 4	180	187	82	15	80	20	60	138
SPB 180 X 5	180	187	101	15	80	20	70	138
SPB 180 X 6	180	187	120	15	80	20	70	138
SPB 190 X 1	190	197	25	8	65	20	45	148
SPB 190 X 2	190	197	44	8	70	20	55	148
SPB 190 X 3	190	197	63	15	80	20	60	148
SPB 200 X 1	200	207	25	8	70	20	45	158
SPB 200 X 1 - m	200	207	25	13	60	20	40	161
SPB 200 X 2	200	207	44	8	70	20	55	158
SPB 200 X 2 - m	200	207	44	13	65	22	50	157
SPB 200 X 3	200	207	63	15	80	20	60	158
SPB 200 X 3 - m	200	207	63	16	75	22	50	157
SPB 200 X 4	200	207	82	15	88	20	60	158
SPB 200 X 5	200	207	101	15	96	25	70	158
SPB 200 X 6	200	207	120	15	96	25	70	158
SPB 212 X 1	212	219	25	8	70	20	45	170
SPB 212 X 2	212	219	44	8	77	20	55	170
SPB 212 X 3	212	219	63	15	80	20	60	170
SPB 212 X 4	212	219	82	15	88	20	60	170
SPB 212 X 5	212	219	101	15	96	25	70	170



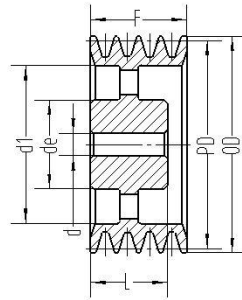
Type 8



Type 13

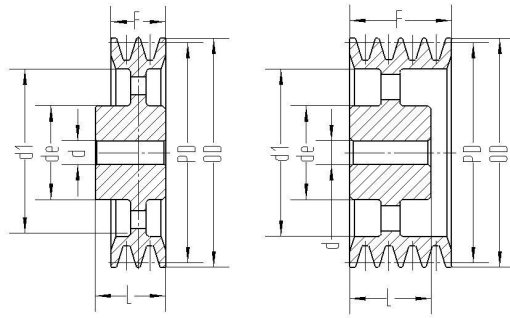


Type 15



Type 16

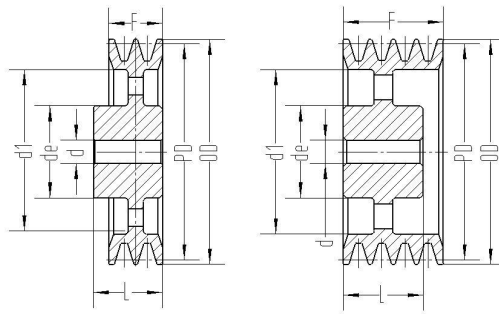
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 212 X 6	212	219	120	15	104	25	80	170
SPB 224 X 1	224	231	25	8	70	20	45	182
SPB 224 X 1 - m	224	231	25	13	65	25	45	185
SPB 224 X 2	224	231	44	8	77	20	55	182
SPB 224 X 2 - m	224	231	44	13	75	25	50	185
SPB 224 X 3	224	231	63	15	80	20	60	182
SPB 224 X 3 - m	224	231	63	16	80	25	50	181
SPB 224 X 4	224	231	82	15	88	20	60	182
SPB 224 X 5	224	231	101	15	96	25	70	182
SPB 224 X 6	224	231	120	15	104	25	80	182
SPB 236 X 1 - m	236	243	25	13	65	25	45	197
SPB 236 X 2	236	243	44	8	77	20	55	194
SPB 236 X 2 - m	236	243	44	13	75	25	50	193
SPB 236 X 3	236	243	63	15	80	20	60	193
SPB 236 X 3 - m	236	243	63	16	80	25	50	193
SPB 250 X 1	250	257	25	8	70	20	50	208
SPB 250 X 1 - m	250	257	25	13	65	25	45	211
SPB 250 X 2	250	257	44	8	77	20	55	208
SPB 250 X 2 - m	250	257	44	13	75	25	50	211
SPB 250 X 3	250	257	63	15	80	20	60	208
SPB 250 X 3 - Y	250	257	63	15	88	20	60	208
SPB 250 X 3 - m	250	257	63	16	85	25	60	207
SPB 250 X 4	250	257	82	15	96	25	65	208
SPB 250 X 5	250	257	101	15	104	25	75	208
SPB 250 X 6	250	257	120	15	104	25	80	208
SPB 280 X 1	280	287	25	8	76	20	50	238
SPB 280 X 1 - m	280	287	25	13	76	25	50	241
SPB 280 X 2	280	287	44	8	80	20	55	238
SPB 280 X 2 - m	280	287	44	13	75	25	50	237
SPB 280 X 3	280	287	63	15	90	20	60	238
SPB 280 X 3 - m	280	287	63	16	85	25	60	237
SPB 280 X 4	280	287	82	15	96	25	65	238
SPB 280 X 5	280	287	101	15	104	25	75	238
SPB 280 X 6	280	287	120	15	104	25	80	238



Type 13

Type 16

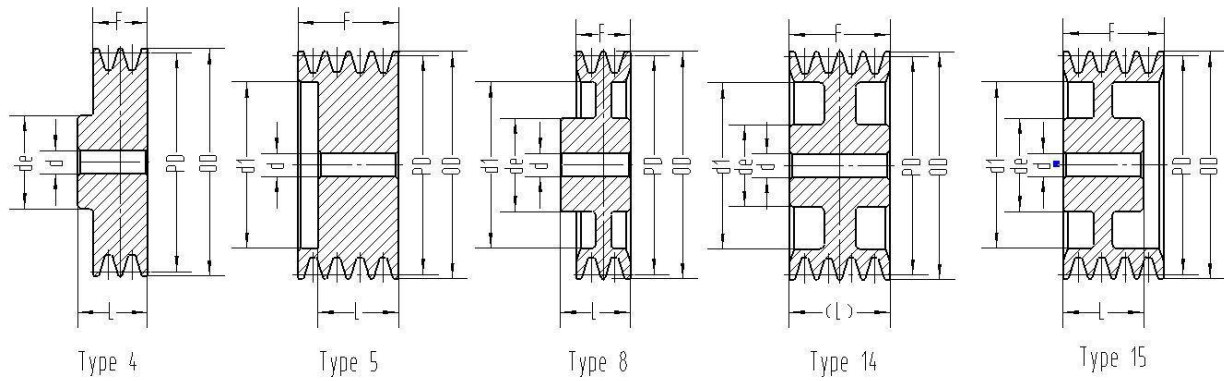
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 300 X 1	300	307	25	13	76	20	50	258
SPB 300 X 2	300	307	44	13	80	20	55	258
SPB 300 X 2 - m	300	307	44	13	75	25	50	257
SPB 300 X 3	300	307	63	16	90	20	60	258
SPB 300 X 3 - m	300	307	63	16	85	25	60	257
SPB 300 X 4	300	307	82	16	96	25	65	258
SPB 300 X 5	300	307	101	16	104	25	75	258
SPB 300 X 6	300	307	120	16	104	25	80	258
SPB 315 X 1	315	322	25	13	76	20	50	273
SPB 315 X 2	315	322	44	13	88	20	60	273
SPB 315 X 2 - m	315	322	44	13	85	25	60	272
SPB 315 X 3	315	322	63	16	90	20	60	273
SPB 315 X 3 - m	315	322	63	16	95	25	60	272
SPB 315 X 4	315	322	82	16	96	25	65	273
SPB 315 X 5	315	322	101	16	104	25	75	273
SPB 315 X 6	315	322	120	16	120	25	90	273
SPB 355 X 1	355	362	25	13	80	20	50	313
SPB 355 X 2	355	362	44	13	88	20	60	313
SPB 355 X 2 - m	355	362	44	13	85	25	60	312
SPB 355 X 3	355	362	63	16	92	25	60	313
SPB 355 X 3 - m	355	362	63	16	95	25	60	312
SPB 355 X 4	355	362	82	16	96	25	65	313
SPB 355 X 5	355	362	101	16	104	25	75	313
SPB 355 X 6	355	362	120	16	120	25	90	313
SPB 375 X 2	375	382	44	13	88	20	60	333
SPB 375 X 3	375	382	63	16	95	25	60	333
SPB 400 X 1	400	407	25	13	85	20	55	358
SPB 400 X 2	400	407	44	13	88	20	60	358
SPB 400 X 2 - m	400	407	44	13	95	25	60	361
SPB 400 X 3	400	407	63	13	96	25	65	358
SPB 400 X 3 - m	400	407	63	16	105	25	60	357
SPB 400 X 4	400	407	82	16	104	25	75	358
SPB 400 X 4 - m	400	407	82	16	105	25	65	361
SPB 400 X 5	400	407	101	16	112	25	85	358
SPB 400 X 6	400	407	120	16	120	25	100	358



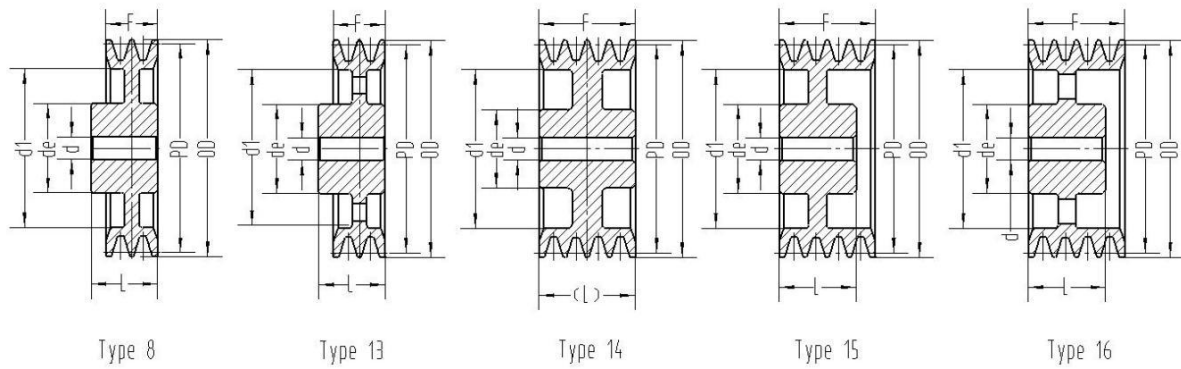
Type 13

Type 16

SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPB 425 X 3	425	432	63	13	96	25	65	383
SPB 425 X 4	425	432	82	16	104	25	75	383
SPB 425 X 5	425	432	101	16	112	25	85	383
SPB 450 X 1	450	457	25	13	90	20	60	408
SPB 450 X 2	450	457	44	13	90	20	60	408
SPB 450 X 3	450	457	63	13	96	25	65	408
SPB 450 X 4	450	457	82	16	104	25	75	408
SPB 450 X 5	450	457	101	16	112	25	85	408
SPB 450 X 6	450	457	120	16	120	25	100	408
SPB 500 X 1	500	507	25	13	100	25	60	458
SPB 500 X 2	500	507	44	13	100	25	65	458
SPB 500 X 3	500	507	63	13	104	25	75	458
SPB 500 X 4	500	507	82	13	112	25	85	458
SPB 500 X 5	500	507	101	16	120	25	90	458
SPB 500 X 6	500	507	120	16	128	25	105	458
SPB 560 X 1	560	567	25	13	100	25	60	518
SPB 560 X 2	560	567	44	13	100	25	65	518
SPB 560 X 3	560	567	63	13	104	25	75	518
SPB 560 X 4	560	567	82	13	112	25	85	518
SPB 560 X 5	560	567	101	16	120	25	90	518
SPB 560 X 6	560	567	120	16	128	25	105	518
SPB 600 X 1	600	607	25	13	100	25	60	558
SPB 600 X 2	600	607	44	13	100	25	65	558
SPB 600 X 3	600	607	63	13	104	25	75	558
SPB 600 X 4	600	607	82	13	115	25	85	558
SPB 600 X 5	600	607	101	16	120	25	90	558
SPB 600 X 6	600	607	120	16	128	25	105	558
SPB 630 X 1	630	637	25	13	100	25	60	588
SPB 630 X 2	630	637	44	13	100	25	65	588
SPB 630 X 3	630	637	63	13	104	25	75	588
SPB 630 X 4	630	637	82	13	120	25	85	588
SPB 630 X 5	630	637	101	16	128	25	90	588
SPB 630 X 6	630	637	120	16	140	25	105	588

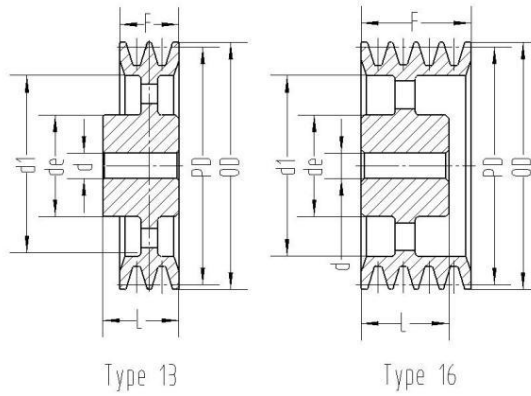


SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPC 100 X 1	100	109.6	34	4	60	15	50	
SPC 120 X 1	120	129.6	34	4	60	15	50	
SPC 140 X 1	140	149.6	34	4	70	20	50	
SPC 140 X 2	140	149.6	59.5	4	70	20	65	
SPC 140 X 3	140	149.6	85	5		20	65	84
SPC 150 X 1	150	159.6	34	4	70	20	50	
SPC 150 X 2	150	159.6	59.5	4	72	20	65	
SPC 150 X 3	150	159.6	85	5		20	65	94
SPC 150 X 4	150	159.6	110.5	5		20	80	94
SPC 150 X 5	150	159.6	136	5		20	96	94
SPC 160 X 1	160	169.6	34	4	70	20	50	
SPC 160 X 2	160	169.6	59.5	4	72	20	65	
SPC 160 X 3	160	169.6	85	5		20	65	104
SPC 160 X 4	160	169.6	110.5	5		20	80	104
SPC 180 X 1	180	189.6	34	8	76	20	50	124
SPC 180 X 2	180	189.6	59.5	14	80	20	59.5	124
SPC 180 X 3	180	189.6	85	15	82	20	65	124
SPC 180 X 4	180	189.6	110.5	15	82	20	80	124
SPC 180 X 5	180	189.6	136	15	82	20	96	124
SPC 180 X 6	180	189.6	161.5	15	82	20	96	124
SPC 190 X 1	190	199.6	34	8	76	20	50	134
SPC 190 X 2	190	199.6	59.5	14	80	20	59.5	134
SPC 190 X 3	190	199.6	85	15	82	20	65	134
SPC 190 X 5	190	199.6	136	15	82	20	96	134
SPC 190 X 6	190	199.6	161.5	15	82	25	96	134
SPC 200 X 1	200	209.6	34	8	76	20	50	144
SPC 200 X 2	200	209.6	59.5	14	80	20	59.5	144
SPC 200 X 3	200	209.6	85	15	86	20	65	144
SPC 200 X 4	200	209.6	110.5	15	90	20	90	144
SPC 200 X 5	200	209.6	136	15	90	25	100	144
SPC 200 X 6	200	209.6	161.5	15	90	25	100	144
SPC 224 X 1	224	233.6	34	8	86	20	50	168
SPC 224 X 2	224	233.6	59.5	14	88	20	59.5	168
SPC 224 X 3	224	233.6	85	15	90	20	70	168



1

SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPC 224 X 4	224	233.6	110.5	15	90	25	90	168
SPC 224 X 5	224	233.6	136	15	90	25	100	168
SPC 224 X 6	224	233.6	161.5	15	90	25	100	168
SPC 250 X 1	250	259.6	34	8	86	20	50	194
SPC 250 X 2	250	259.6	59.5	14	92	20	59.5	194
SPC 250 X 3	250	259.6	85	15	92	20	70	194
SPC 250 X 4	250	259.6	110.5	15	100	25	90	194
SPC 250 X 5	250	259.6	136	15	102	25	100	194
SPC 250 X 6	250	259.6	161.5	15	102	25	100	194
SPC 280 X 1	280	289.6	34	8	86	20	50	224
SPC 280 X 2	280	289.6	59.5	14	92	20	59.5	224
SPC 280 X 3	280	289.6	85	15	92	20	70	224
SPC 280 X 4	280	289.6	110.5	15	100	25	90	224
SPC 280 X 5	280	289.6	136	15	102	25	100	224
SPC 280 X 6	280	289.6	161.5	15	102	25	100	224
SPC 300 X 1	300	309.6	34	8	86	20	50	244
SPC 300 X 2	300	309.6	59.5	14	92	20	59.5	244
SPC 300 X 3	300	309.6	85	15	92	20	70	244
SPC 300 X 4	300	309.6	110.5	15	100	25	90	244
SPC 300 X 5	300	309.6	136	15	104	25	100	244
SPC 300 X 6	300	309.6	161.5	15	104	25	100	244
SPC 315 X 1	315	324.6	34	8	92	20	50	259
SPC 315 X 2	315	324.6	59.5	14	92	20	59.5	259
SPC 315 X 3	315	324.6	85	15	92	20	70	259
SPC 315 X 4	315	324.6	110.5	15	110	25	90	259
SPC 315 X 5	315	324.6	136	15	112	25	100	259
SPC 315 X 6	315	324.6	161.5	15	112	25	100	259
SPC 355 X 3	355	364.6	85	16	110	25	70	299
SPC 355 X 4	355	364.6	110.5	16	114	25	90	299
SPC 355 X 5	355	364.6	136	16	114	25	100	299
SPC 355 X 6	355	364.6	161.5	16	114	25	100	299
SPC 400 X 2	400	409.6	59.5	13	110	25	70	344
SPC 400 X 3	400	409.6	85	13	114	25	90	344
SPC 400 X 4	400	409.6	110.5	16	120	25	90	344



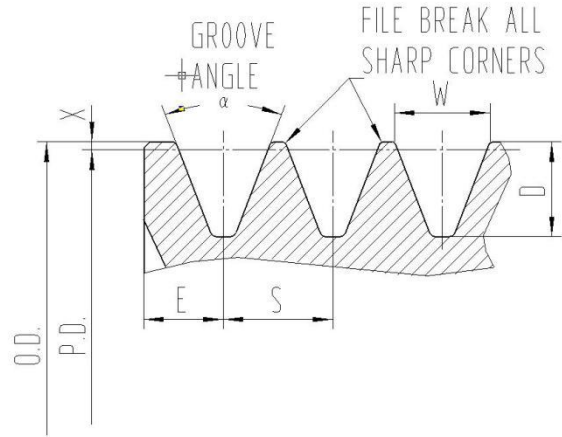
SIZE	PD (mm)	OD (mm)	F	TYPE	DIMENSIONS			
					de	d	L	d1
SPC 400 X 5	400	409.6	136	16	120	25	100	344
SPC 450 X 3	450	459.6	85	13	114	25	90	393
SPC 450 X 4	450	459.6	110.5	16	120	25	90	394
SPC 450 X 5	450	459.6	136	16	120	25	100	394
SPC 450 X 6	450	459.6	161.5	16	120	25	100	394
SPC 500 X 4	500	509.6	110.5	16	126	25	90	444
SPC 500 X 5	500	509.6	136	16	126	25	100	444
SPC 500 X 6	500	509.6	161.5	16	126	25	100	444
SPC 560 X 3	560	569.6	85	13	114	25	90	504
SPC 560 X 4	560	569.6	110.5	16	130	25	100	504
SPC 560 X 5	560	569.6	136	16	130	25	100	504
SPC 600 X 4	600	609.6	110.5	16	130	25	90	544
SPC 600 X 5	600	609.6	136	16	130	25	100	544
SPC 630 X 4	630	639.6	110.5	16	130	25	90	574
SPC 630 X 5	630	639.6	136	16	130	25	100	574



Conventional Sheave Tolerances

Outside Diameter		
Under	12.00"	±.020"
12.00"	thru 23.99"	±.040"
24.00"	thru 57.99"	±.060"
58.00"	thru 71.99"	±.120"
Over	72.00"	±.250"
Outside Diameter Eccentricity		
Under	10.00" P.D.	.010"
10.01"	thru 60.00" P.D.	.010" plus .0005" per inch of P.D.
Side Wobble And Runout		
20.00"	P.D. & Under	not to exceed
20.00"	thru 60.00" P.D.	.001" per inch of P.D. Add .0005" for each Add 1 inch of P.D. Up to 60.00"

TOLERANCES FOR NORMAL PULLEY AND GROOVE SECTION DIMENSIONS DIAGRAM



GROOVE ANGLE
FILE BREAK ALL SHARP CORNERS
FACE WIDTH OF AND STANDARD SHEAVES
FACE WIDTH = S(N-1) + 2E
WHERE:
N = NUMBER OF GROOVES

STANDARD SHEARS

(in.)

BELT	MINIMUM RECOMMENDED OUTSIDE DIAM	OUTSIDE EFFECTIVE DIAMETER	a° GROOVE ANGLE	GROOVE DIMENSIONS				
				W	D	X	S	E
3V	2.65	UNDER 3.49	36°	0.350	0.350	0.025	0.406	0.344
		3.49~6.00	38°					
		6.00~12.00	40°					
		OVER 12.00	42°					
5V	7.10	UNDER 9.99	38°	0.600	0.600	0.050	0.688	0.500
		9.99~16.00	40°					
		OVER 16.00	42°					
8V	12.50	UNDER 15.99	38°	1	1	0.100	1.125	0.750
		15.99~22.40	40°					
		OVER 22.40	42°					

STANDARD SHEARS

(in.)

BELT	MINIMUM RECOMMENDED PITCH DIAM	P.D. RANGE	a° GROOVE ANGLE	GROOVE DIMENSIONS				
				W	D	X	S	E
A	3.0	Through 5.4	34°	0.494	0.490	0.125	0.625	0.375
		OVER 5.4	38°	0.504	0.490	0.125	0.625	0.375
B	5.4	Through 7.0	34°	0.637	0.550	0.175	0.750	0.500
		OVER 7.0	38°	0.650	0.550	0.175	0.750	0.500
A~B	A3.6 B5.7	Through 7.4	34°	0.612	0.625	0.175	0.750	0.500
		OVER 7.4	38°	0.625	0.625	0.175	0.750	0.500
C	9.0	Through 7.99	34°	0.879	0.780	0.200	1	0.688
		7.99~12.00	36°	0.887	0.780	0.200	1	0.688
		OVER 12.00	38°	0.895	0.780	0.200	1	0.688

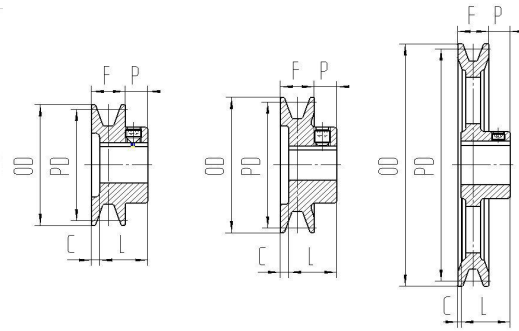


AK17-AK184

For "4L"/"A" Belts
and "3L" Belts



AK, BK PILOT BORE SHEAVES



TYPE 1

TYPE 2

TYPE 3

(in.)

Table: 1

SIZE	DIAMETER			TYPE	DIMENSIONS				AVAILABLE BORES
	OD	PD			F	L	P	C	
		"A"	"3L"						
AK17	1.75	1.50	1.16	1	21/32	15/16	7/16	5/32	1/2,5/8
AK20	2.00	1.80	1.46	1	21/32	15/16	7/16	5/32	1/2,5/8,3/4
AK21	2.10	1.90	1.56	1	21/32	15/16	7/16	5/32	1/2,5/8,3/4
AK22	2.20	2.00	1.66	1	21/32	15/16	7/16	5/32	1/2,5/8,3/4
AK23	2.30	2.10	1.76	1	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8
AK25	2.50	2.30	1.96	1	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1
AK26	2.60	2.40	2.06	2	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1
AK27	2.70	2.50	2.16	2	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1
AK28	2.80	2.60	2.26	2	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1
AK30	3.05	2.80	2.46	2	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1
AK32	3.25	3.00	2.66	2	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1,1-1/8
AK34	3.45	3.20	2.86	2	21/32	15/16	7/16	5/32	1/2,5/8,3/4,7/8,1,1-1/8
AK39	3.75	3.50	3.16	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8
AK41	3.95	3.70	3.36	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8
AK44	4.25	4.00	3.66	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8
AK46	4.45	4.20	3.86	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8
AK49	4.75	4.50	4.16	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8
AK51	4.95	4.70	4.36	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,1,1-1/8
AK54	5.25	5.00	4.66	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8,1-3/16
AK56	5.45	5.20	4.86	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8,1-3/16
AK59	5.75	5.50	5.16	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8,1-3/16
AK61	5.95	5.70	5.36	2	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8,1-3/16
AK64	6.25	6.00	5.66	3	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,7/8,15/16,1,1-1/8,1-3/16
AK66	6.45	6.20	5.86	3	3/4	1-5/32	15/32	1/16	1/2,5/8,3/4,1,1-1/8
AK69	6.75	6.50	6.16	3	3/4	1-15/32	23/32	0	3/4,1,1-1/8
AK71	6.95	6.70	6.36	3	3/4	1-15/32	23/32	0	1/2,5/8,3/4,7/8,1,1-1/8,1-7/16
AK74	7.25	7.00	6.66	3	3/4	1-15/32	23/32	0	1/2,5/8,3/4,15/16,1,1-1/8,1-3/16,1-1/4,1-7/16
AK79	7.75	7.50	7.16	3	3/4	1-15/32	23/32	0	5/8,3/4,1,1-1/8,1-7/16
AK84	8.25	8.00	7.66	3	3/4	1-15/32	23/32	0	1/2,5/8,3/4,15/16,1,1-3/16,1-7/16
AK89	8.75	8.50	8.16	3	3/4	1-15/32	23/32	0	3/4,1,1-1/8,1-7/16
AK94	9.25	9.00	8.66	3	3/4	1-15/32	23/32	0	1/2,5/8,3/4,15/16,1,1-3/16,1-1/4,1-7/16
AK99	9.75	9.50	9.16	3	3/4	1-15/32	23/32	0	5/8,3/4,1,1-7/16
AK104	10.25	10.00	9.66	3	3/4	1-15/32	23/32	0	5/8,3/4,1,1-3/16,1-1/4,1-3/8,1-7/16
AK109	10.75	10.50	10.16	3	3/4	1-15/32	23/32	0	3/4,1,1-1/8,1-3/8,1-7/16
AK114	11.25	11.00	10.66	3	3/4	1-15/32	23/32	0	3/4,1,1-1/8,1-3/16,1-7/16
AK124	12.25	12.00	11.66	3	3/4	1-15/32	23/32	0	5/8,3/4,1,1-3/16,1-1/4,1-7/16
AK134	13.25	13.00	12.66	3	3/4	1-15/32	23/32	0	3/4,1,1-3/16,1-3/8,1-7/16
AK144	14.25	14.00	13.66	3	3/4	1-15/32	23/32	0	3/4,1,1-3/16,1-7/16
AK154	15.25	15.00	14.66	3	3/4	1-15/32	23/32	0	3/4,1,1-3/16,1-3/8,1-7/16
AK184	18.25	18.00	17.66	3	3/4	1-15/32	23/32	0	3/4,1,1-3/16,1-7/16

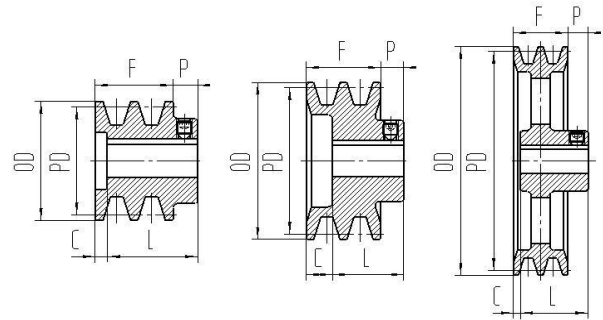


2AK20 TO 2AK184

For "4L"/"A" Belts
and "3L" Belts



AK,BK PILOT BORE SHEAVES



TYPE 1

TYPE 2

TYPE 3

Table: 2

(in.)

SIZE	DIAMETER			TYPE	DIMENSIONS				AVAILABLE BORES
	OD	PD			F	L	P	C	
		"A"	"3L"						
2AK20	2.00	1.80	1.46	1	1-3/8	1-21/32	15/32	3/16	1/2,5/8,3/4
2AK21	2.15	1.90	1.56	1	1-3/8	1-21/32	15/32	3/16	1/2,5/8,3/4,7/8
2AK22	2.25	2.00	1.66	1	1-3/8	1-21/32	15/32	3/16	1/2,5/8,3/4,7/8
2AK23	2.35	2.10	1.76	1	1-3/8	1-21/32	15/32	3/16	5/8,3/4,7/8,1
2AK25	2.55	2.30	1.96	1	1-3/8	1-21/32	15/32	3/16	5/8,3/4,7/8,1,1-1/8
2AK26	2.65	2.40	2.06	1	1-3/8	1-21/32	15/32	3/16	5/8,3/4,7/8,1
2AK27	2.75	2.50	2.16	1	1-3/8	1-21/32	15/32	3/16	5/8,3/4,7/8,1
2AK28	2.85	2.60	2.26	1	1-3/8	1-21/32	15/32	3/16	5/8,3/4,7/8,1,1-1/8
2AK30	3.05	2.80	2.46	2	1-3/8	1-21/32	15/32	3/16	1/2,5/8,3/4,7/8,1,1-1/8
2AK32	3.25	3.00	2.66	2	1-3/8	1-21/32	15/32	3/16	1/2,5/8,3/4,7/8,1,1-1/8
2AK34	3.45	3.20	2.86	2	1-3/8	1-21/32	15/32	3/16	1/2,5/8,3/4,7/8,1,1-1/8
2AK39	3.75	3.50	3.16	2	1-3/8	1-11/32	15/32	1/2	1/2,5/8,3/4,7/8,1,1-1/8
2AK41	3.95	3.70	3.36	2	1-3/8	1-11/32	15/32	1/2	5/8,3/4,7/8,1,1-1/8
2AK44	4.25	4.00	3.66	2	1-3/8	1-11/32	15/32	1/2	5/8,3/4,7/8,1,1-1/8
2AK46	4.45	4.20	3.86	2	1-3/8	1-11/32	15/32	1/2	7/8,1,1-1/8
2AK49	4.75	4.50	4.16	2	1-3/8	1-11/32	15/32	1/2	3/4,7/8,1,1-1/8,1-3/8
2AK51	4.95	4.70	4.36	2	1-3/8	1-11/32	15/32	1/2	3/4,7/8,1,1-1/8,1-3/8
2AK54	5.25	5.00	4.66	2	1-3/8	1-11/32	15/32	1/2	5/8,3/4,7/8,1,1-1/8,1-3/8,
2AK56	5.45	5.20	4.86	2	1-3/8	1-11/32	15/32	1/2	5/8,3/4, 1,1-1/8,1-3/8
2AK59	5.75	5.50	5.16	2	1-3/8	1-11/32	15/32	1/2	1,1-1/8,1-3/8
2AK61	5.95	5.70	5.36	2	1-3/8	1-11/32	15/32	1/2	3/4,7/8,1,1-1/8,1-3/8,1-7/16
2AK64	6.25	6.00	5.66	2	1-3/8	1-19/32	11/32	1/8	3/4,1,1-1/8,1-3/16,1-3/8,1-7/16
2AK74	7.25	7.00	6.66	3	1-3/8	1-19/32	11/32	1/8	3/4,1, 1-1/8,1-3/16,1-3/8,1-7/16
2AK84	8.25	8.00	7.66	3	1-3/8	1-19/32	11/32	1/8	3/4,15/16,1,1-1/8,1-3/16,1-3/8,1-7/16
2AK94	9.25	9.00	8.66	3	1-3/8	1-19/32	11/32	1/8	3/4,1,1-1/8,1-3/16,1-3/8,1-7/16
2AK104	10.25	10.00	9.66	3	1-3/8	1-19/32	11/32	1/8	3/4,15/16,1,1-7/16
2AK114	11.25	11.00	10.66	3	1-3/8	1-19/32	11/32	1/8	3/4,1,1-3/16,1-3/8,1-7/16
2AK124	12.25	12.00	11.66	3	1-3/8	1-19/32	11/32	1/8	3/4,1,1-1/8,1-3/16,1-7/16
2AK134	13.25	13.00	12.66	3	1-3/8	1-19/32	11/32	1/8	1-3/16,1-7/16
2AK144	14.25	14.00	13.66	3	1-3/8	1-19/32	11/32	1/8	1,1-7/16
2AK154	15.25	15.00	14.66	3	1-3/8	1-19/32	11/32	1/8	1-3/16,1-7/16
2AK184	18.25	18.00	17.66	3	1-3/8	1-19/32	11/32	1/8	1-3/16,1-7/16



MINYUE

BK24 TO BK190

For "4L"/"A" Belts
and "5L"/"B" Belts

AK,BK PILOT BORE SHEAVES

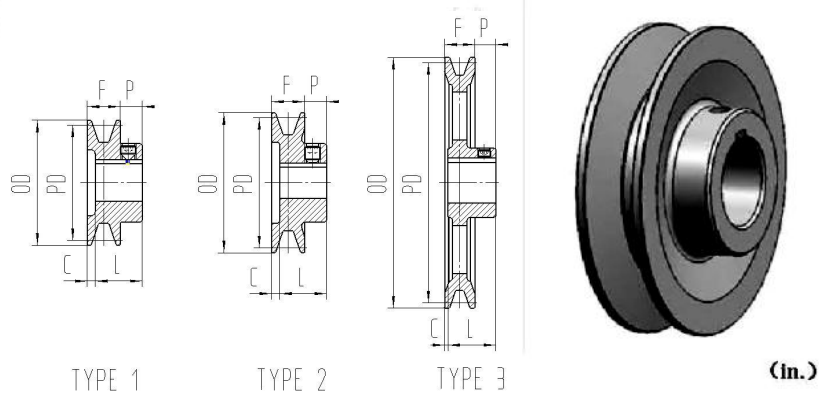


Table: 3

SIZE	DIAMETER			TYPE	DIMENSIONS				AVAILABLE BORES
	OD	PD			F	L	P	C	
		"A"	"B"						
BK24	2.40	1.80	2.20	1	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8
BK25	2.50	1.90	2.30	1	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8
BK26	2.60	2.00	2.40	1	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8
BK27	2.70	2.10	2.50	1	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8,1
BK28	2.95	2.20	2.60	2	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8,1,1-1/8
BK30	3.15	2.40	2.80	2	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8,1,1-1/8
BK32	3.35	2.60	3.00	2	13/16	1-1/16	13/32	5/32	1/2, 5/8,3/4,7/8,1,1-1/8
BK34	3.55	2.80	3.20	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8
BK36	3.75	3.00	3.40	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8
BK40	3.95	3.20	3.60	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8
BK45	4.25	3.50	3.90	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8
BK47	4.45	3.70	4.10	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8
BK50	4.75	4.00	4.40	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,15/16, 1,1-1/8
BK52	4.95	4.20	4.60	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8
BK55	5.25	4.50	4.90	2	7/8	1-5/32	13/32	1/8	1/2, 5/8,3/4,7/8,1,1-1/8,1-3/16
BK57	5.45	4.70	5.10	2	7/8	1-5/32	13/32	1/8	5/8,3/4,7/8,15/16,1,1-1/8
BK60	5.75	5.00	5.40	2	7/8	1-5/32	13/32	1/8	1/2,5/8,3/4,7/8,1,1-1/8,1-3/16
BK62	5.95	5.20	5.60	2	7/8	1-5/32	13/32	1/8	1/2,5/8,3/4,7/8,15/16,1,1-1/8,1-3/16
BK65	6.25	5.50	5.90	2	7/8	1-5/32	13/32	1/8	5/8,3/4,1,1-1/8
BK67	6.45	5.70	6.10	3	7/8	1-5/32	13/32	1/8	5/8,3/4,1,1-1/8
BK70	6.75	6.00	6.40	2	7/8	1-15/32	21/32	1/16	5/8,3/4,7/8,15/16,1,1-1/8,1-3/16,1-3/8,1-7/16
BK72	6.95	6.20	6.60	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-3/8
BK75	7.25	6.50	6.90	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-3/8
BK77	7.45	6.70	7.10	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-3/8
BK80	7.75	7.00	7.40	3	7/8	1-15/32	21/32	1/16	5/8,3/4,7/8,1,1-1/8,1-3/16, 1-1/4, 1-3/8,1-7/16
BK85	8.25	7.50	7.90	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-3/8,1-7/16
BK90	8.75	8.00	8.40	3	7/8	1-15/32	21/32	1/16	3/4,7/8,15/16,1,1-1/8,1-3/16,1-3/8,1-7/16
BK95	9.25	8.50	8.90	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-1/4,1-3/8,1-7/16
BK100	9.75	9.00	9.40	3	7/8	1-15/32	21/32	1/16	3/4,7/8,15/16,1,1-1/8,1-3/16,1-1/4,1-3/8,1-7/16
BK105	10.25	9.50	9.90	3	7/8	1-15/32	21/32	1/16	1,1-3/8,1-7/16
BK110	10.75	10.00	10.40	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-3/16,1-3/8,1-7/16
BK115	11.25	10.50	10.90	3	7/8	1-15/32	21/32	1/16	1,1-3/8,1-7/16
BK120	11.75	11.00	11.40	3	7/8	1-15/32	21/32	1/16	3/4,1,1-3/16, 1-3/8,1-7/16
BK130	12.75	12.00	12.40	3	7/8	1-15/32	21/32	1/16	3/4,1,1-1/8,1-3/16,1-1/4,1-7/16
BK140	13.75	13.00	13.40	3	7/8	1-15/32	21/32	1/16	3/4,1,1-3/16,1-7/16
BK160	15.75	15.00	15.40	3	7/8	1-15/32	21/32	1/16	1,1-1/8,1-3/16,1-1/4,1-7/16
BK190	18.75	18.00	18.40	3	7/8	1-15/32	21/32	1/16	1,1-3/16,1-1/4,1-7/16



2AK20 TO 2AK184

For "4L"/"A" Belts
and "3L" Belts

AK,BK PILOT BORE SHEAVES

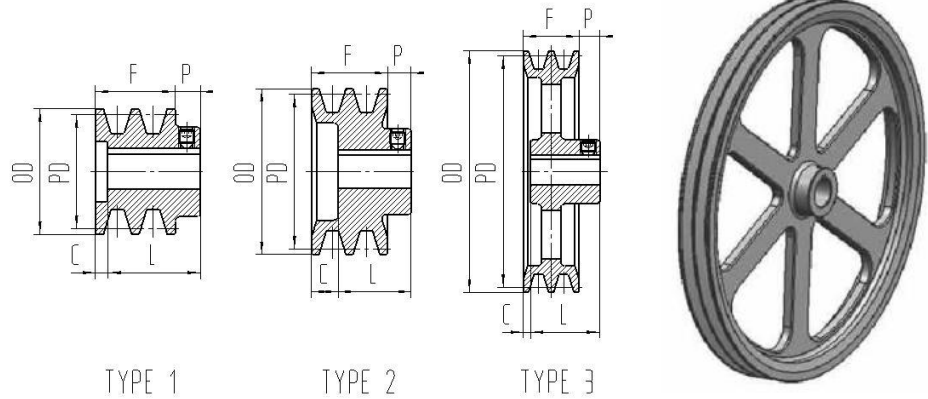


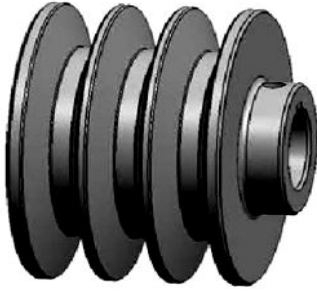
Table: 4

(in.)

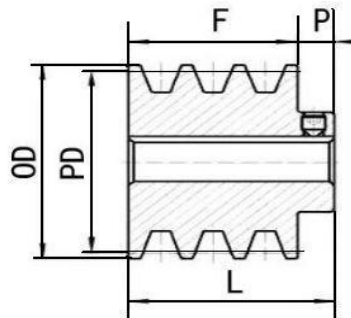
SIZE	DIAMETER			TYPE	DIMENSIONS				AVAILABLE BORES
	OD	PD			F	L	P	C	
		"A"	"B"						
2BK25	2.50	1.90	2.30	1	1-3/4	1-31/32	15/32	1/4	1/2, 5/8,3/4,7/8
2BK27	2.70	2.10	2.50	1	1-3/4	1-31/32	15/32	1/4	1/2, 5/8,3/4,7/8,1,1-1/8
2BK28	2.95	2.20	2.60	1	1-3/4	1-31/32	15/32	1/4	1/2, 5/8,3/4,7/8,1,1-1/8
2BK30	3.15	2.40	2.80	1	1-3/4	1-31/32	15/32	1/4	1/2, 5/8,3/4,7/8,1,1-1/8
2BK32	3.35	2.60	3.00	2	1-3/4	1-31/32	15/32	1/4	5/8,3/4,7/8,1,1-1/8
2BK34	3.55	2.80	3.20	2	1-3/4	1-31/32	15/32	1/4	5/8,3/4,7/8,1,1-1/8
2BK36	3.75	3.00	3.40	2	1-3/4	1-31/32	15/32	1/4	5/8,3/4,7/8,1,1-1/8,1-3/8
2BK40	3.95	3.20	3.60	2	1-3/4	1-15/32	15/32	3/4	5/8,3/4,7/8,1,1-1/8
2BK45	4.25	3.50	3.90	2	1-3/4	1-15/32	15/32	3/4	1,1-1/8,1-3/8
2BK47	4.45	3.70	4.10	2	1-3/4	1-15/32	15/32	3/4	7/8,1,1-1/8
2BK50	4.75	4.00	4.40	2	1-3/4	1-15/32	15/32	3/4	3/4,1,1-1/8,1-3/8
2BK52	4.95	4.20	4.60	2	1-3/4	1-15/32	15/32	3/4	5/8,7/8,1,1-1/8,1-3/8
2BK55	5.25	4.50	4.90	2	1-3/4	1-15/32	15/32	3/4	1-1/8,1-3/8
2BK57	5.45	4.70	5.10	2	1-3/4	1-15/32	15/32	3/4	1,1-1/8,1-3/8
2BK60	5.75	5.00	5.40	2	1-3/4	1-15/32	15/32	3/4	3/4,7/8,1,1-1/8,1-3/8
2BK62	5.95	5.20	5.60	2	1-3/4	1-15/32	15/32	3/4	1,1-1/8,1-3/8
2BK65	6.25	5.50	5.90	2	1-3/4	1-15/32	15/32	3/4	1,1-1/8,1-3/8
2BK67	6.45	5.70	6.10	2	1-3/4	1-15/32	15/32	3/4	1,1-1/8,1-3/8
2BK70	6.75	6.00	6.40	2	1-3/4	1-19/32	11/32	1/2	3/4,1,1-1/8,1-3/16,1-3/8,1-7/16
2BK80	7.75	7.00	7.40	3	1-3/4	1-19/32	11/32	1/2	3/4,1,1-1/8,1-3/16,1-3/8,1-7/16
2BK90	8.75	8.00	8.40	3	1-3/4	1-19/32	11/32	1/2	3/4,1,1-1/8,1-3/16,1-3/8,1-7/16
2BK100	9.75	9.00	9.40	3	1-3/4	1-19/32	11/32	1/2	3/4,1,1-3/16,1-3/8,1-7/16
2BK110	10.75	10.00	10.40	3	1-3/4	1-19/32	11/32	1/2	1,1-3/16,1-1/4,1-7/16
2BK120	11.75	11.00	11.40	3	1-3/4	1-19/32	11/32	1/2	1,1-1/8,1-3/16,1-1/4,1-7/16
2BK130	12.75	12.00	12.40	3	1-3/4	1-19/32	11/32	1/2	1,1-3/16,1-7/16
2BK140	13.75	13.00	13.40	3	1-3/4	1-19/32	11/32	1/2	1,1-3/16,1-7/16
2BK160	15.75	15.00	15.40	3	1-3/4	1-19/32	11/32	1/2	1,1-1/8,1-3/16,1-7/16
2BK190	18.75	18.00	18.40	3	1-3/4	1-19/32	11/32	1/2	1,1-3/16,1-7/16

MINYUE
3BK25 TO 3BK40

For "4L"/"A" Belts
 and "5L"/"B" Belts



AK,BK PILOT BORE SHEAVES



TYPE 1

(in.)

Table:5

SIZE	DIAMETER			TYPE	DIMENSIONS			AVAILABLE BORES
	OD	PD			F	L	P	
		"A"	"B"					
3BK25	2.50	1.90	2.30	1	2-1/2	3	1/2	5/8,7/8
3BK27	2.70	2.10	2.50	1	2-1/2	3	1/2	5/8, 7/8,1
3BK28	2.95	2.20	2.60	1	2-1/2	3	1/2	5/8, 7/8,1,1-1/8
3BK30	3.15	2.40	2.80	1	2-1/2	3	1/2	7/8,1,1-1/8
3BK32	3.35	2.60	3.00	1	2-1/2	3	1/2	7/8,1,1-1/8
3BK34	3.55	2.80	3.20	1	2-1/2	3	1/2	7/8,1,1-1/8
2BK36	3.75	3.00	3.40	1	2-1/2	3	1/2	7/8,1,1-1/8
2BK40	3.95	3.20	3.60	1	2-1/2	3	1/2	7/8,1,1-1/8

Table:6

(in.)

Bore Range	Keyseat
1/2	None
5/8 to 7/8	3/16 × 3/32
15/16 to 1-1/4	1/4 × 1/8
1-3/8	5/16 × 5/32
1-7/16	3/8 × 3/16

Note: this table 6 is suitable for table 1 to table 5 .



AK30H TO AK184H

For "4L"/"A" Belts
and "3L" Belts

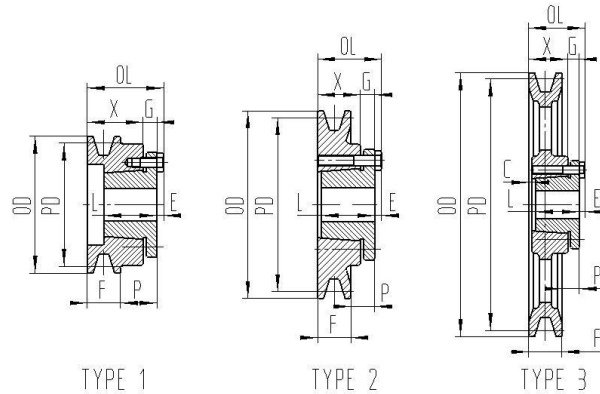


Table: 7

(in.)

SIZE	DIAMETER			TYPE	DIMENSIONS							
	OD	PD			O.L.	F	L	P	C	X	G	E
		"A"	"3L"									
AK30H	3.05	2.80	2.46	1	1-13/16	3/4	1-1/4	7/8	-	1-3/16	7/16	3/16
AK32H	3.25	3.00	2.66	1	1-13/16	3/4	1-1/4	7/8	-	1-3/16	7/16	3/16
AK34H	3.45	3.20	2.86	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK39H	3.75	3.50	3.16	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK41H	3.95	3.70	3.36	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK44H	4.25	4.00	3.66	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK46H	4.45	4.20	3.86	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK49H	4.75	4.50	4.16	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK51H	4.95	4.70	4.36	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK54H	5.25	5.00	4.66	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK56H	5.45	5.20	4.86	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK59H	5.75	5.50	5.16	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK61H	5.95	5.70	5.36	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK64H	6.25	6.00	5.66	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK66H	6.45	6.20	5.86	2	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK69H	6.75	6.50	6.16	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK71H	6.95	6.70	6.36	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK74H	7.25	7.00	6.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK79H	7.75	7.50	7.16	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK84H	8.25	8.00	7.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK89H	8.75	8.50	8.16	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK94H	9.25	9.00	8.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK99H	9.75	9.50	9.16	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK104H	10.25	10.00	9.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK109H	10.75	10.50	10.16	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK114H	11.25	11.00	10.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK124H	12.25	12.00	11.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK134H	13.25	13.00	12.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK144H	14.25	14.00	13.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK154H	15.25	15.00	14.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16
AK184H	18.25	18.00	17.66	3	1-1/2	3/4	1-1/4	9/16	-	7/8	7/16	3/16



2AK30H TO 2AK184H

For "4L"/"A" Belts
and "3L" Belts



QD SHEAVES AK,BK

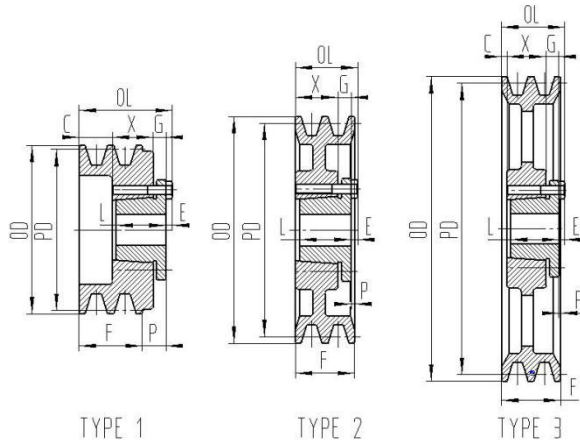


Table: 8

(in.)

SIZE	DIAMETER			TYPE	DIMENSIONS							
	OD	PD			O.L.	F	L	P	C	X	G	E
		"A"	"3L"									
2AK30H	3.05	2.80	2.46	1	2-7/16	1-3/8	1-1/4	7/8	15/16	7/8	7/16	3/16
2AK32H	3.25	3.00	2.66	1	2-7/16	1-3/8	1-1/4	7/8	15/16	7/8	7/16	3/16
2AK34H	3.45	3.20	2.86	1	2	1-3/8	1-1/4	7/16	1/2	7/8	7/16	3/16
2AK39H	3.75	3.50	3.16	1	2	1-3/8	1-1/4	7/16	1/2	7/8	7/16	3/16
2AK41H	3.95	3.70	3.36	1	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK44H	4.25	4.00	3.66	1	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK46H	4.45	4.20	3.86	1	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK49H	4.75	4.50	4.16	1	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK51H	4.95	4.70	4.36	2	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK54H	5.25	5.00	4.66	2	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK56H	5.45	5.20	4.86	2	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK59H	5.75	5.50	5.16	2	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK61H	5.95	5.70	5.36	2	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK64H	6.25	6.00	5.66	2	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK74H	7.25	6.20	6.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK84H	8.25	8.00	7.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK94H	9.25	9.00	8.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK104H	10.25	10.00	9.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK114H	11.25	11.00	10.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK124H	12.25	12.00	11.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK134H	13.25	13.00	12.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK144H	14.25	14.00	13.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK154H	15.25	15.00	14.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16
2AK184H	18.25	18.00	17.66	3	1-1/2	1-3/8	1-1/4	1/16	-	7/8	7/16	3/16



BK30H TO BK

For "4L"/"A" Belts
and "5L"/"B" Belts

QD SHEAVES AK,BK

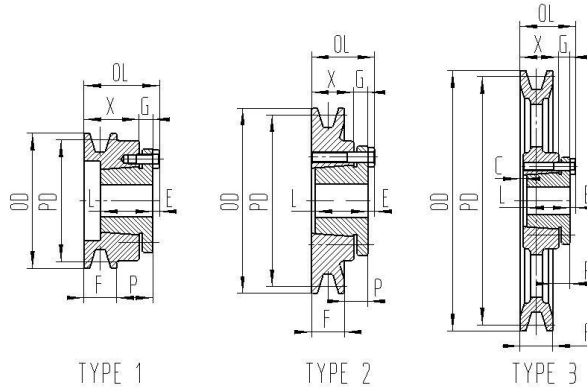


Table: 9

(in.)

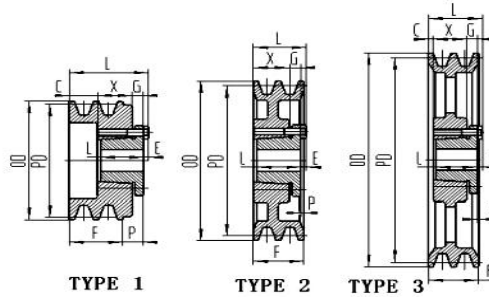
SIZE	DIAMETER			TYPE	DIMENSIONS							
	OD	PD			O.L.	F	L	P	C	X	G	E
		"A"	"B"									
BK30H	3.15	2.40	2.80	1	1-15/16	7/8	1-1/4	7/8	-	15/16	7/16	3/16
BK32H	3.35	2.60	3.00	1	1-15/16	7/8	1-1/4	7/8	-	15/16	7/16	3/16
BK34H	3.55	2.80	3.20	1	1-15/16	7/8	1-1/4	7/8	-	15/16	7/16	3/16
BK36H	3.75	3.00	3.40	1	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK40H	3.95	3.20	3.60	1	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK45H	4.25	3.50	3.90	1	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK47H	4.45	3.70	4.10	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK50H	4.75	4.00	4.40	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK52H	4.95	4.20	4.60	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK55H	5.25	4.50	4.90	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK57H	5.45	4.70	5.10	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK60H	5.75	5.00	5.40	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK62H	5.95	5.20	5.60	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK65H	6.25	5.50	5.90	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK67H	6.45	5.70	6.10	2	1-1/2	7/8	1-1/4	7/16	-	7/8	7/16	3/16
BK70H	6.75	6.00	6.40	2	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK72H	6.95	6.20	6.60	2	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK75H	7.25	6.50	6.90	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK77H	7.45	6.70	7.10	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK80H	7.75	7.00	7.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK85H	8.25	7.50	7.90	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK90H	8.75	8.00	8.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK95H	9.25	8.50	8.90	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK100H	9.75	9.00	9.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK105H	10.25	9.50	9.90	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK110H	10.75	10.00	10.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK115H	11.25	10.50	10.90	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK120H	11.75	11.00	11.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK130H	12.75	12.00	12.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK140H	13.75	13.00	13.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK150H	14.75	14.00	14.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK160H	15.75	15.00	15.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16
BK190H	18.75	18.00	18.40	3	1-9/16	7/8	1-1/4	1/2	1/16	7/8	7/16	3/16



2BK32H TO 2BK190H

For "4L"/"A" Belts
and "5L"/"B" Belts

**QD SHEAVES
AK,BK**



(in.)

Table: 10

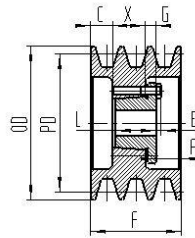
SIZE	DIAMETER			TYPE	DIMENSIONS							
	OD	PD			O.L.	F	L	P	C	X	G	E
		"A"	"B"									
2BK32H	3.35	2.60	3.00	1	2-13/16	1-3/4	1-1/4	7/8	1-5/16	7/8	7/16	3/16
2BK34H	3.55	2.80	3.20	1	2-13/16	1-3/4	1-1/4	7/8	1-5/16	7/8	7/16	3/16
2BK36H	3.75	3.00	3.40	1	2-3/8	1-3/4	1-1/4	7/16	7/8	7/8	7/16	3/16
2BK40H	3.95	3.20	3.60	1	2-3/8	1-3/4	1-1/4	7/16	7/8	7/8	7/16	3/16
2BK45H	4.25	3.50	3.90	1	2-3/8	1-3/4	1-1/4	7/16	7/8	7/8	7/16	3/16
2BK47H	4.45	3.70	4.10	1	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK50H	4.75	4.00	4.40	1	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK52H	4.95	4.20	4.60	1	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK55H	5.25	4.50	4.90	1	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK57H	5.45	4.70	5.10	2	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK60H	5.75	5.00	5.40	2	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK62H	5.95	5.20	5.60	2	1-3/4	1-3/4	1-1/4	7/16	-	7/8	7/16	3/16
2BK65H	6.25	5.50	5.90	2	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK67H	6.45	5.70	6.10	2	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK70H	6.75	6.00	6.40	2	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK72H	6.95	6.20	6.60	2	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK80H	7.75	7.00	7.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK90H	8.75	8.00	8.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK100H	9.75	9.00	9.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK110H	10.75	10.00	10.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK120H	11.75	11.00	11.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK130H	12.75	12.00	12.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK140H	13.75	13.00	13.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK160H	15.75	15.00	15.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16
2BK190H	18.75	18.00	18.40	3	1-3/4	1-3/4	1-1/4	7/16	1/4	7/8	7/16	3/16



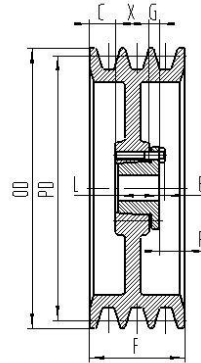
3BK45H TO 3BK190H

For "4L"/"A" Belts
and "5L"/"B" Belts

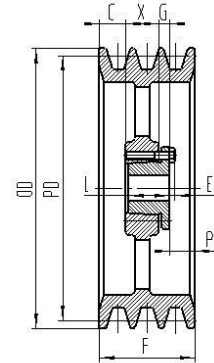
QD SHEAVES AK, BK



TYPE 1



TYPE 2



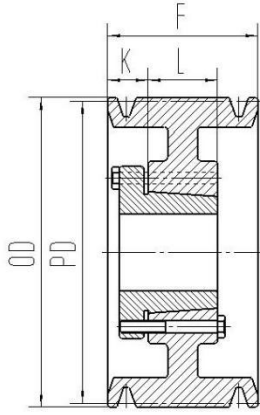
TYPE 3

Table: 11

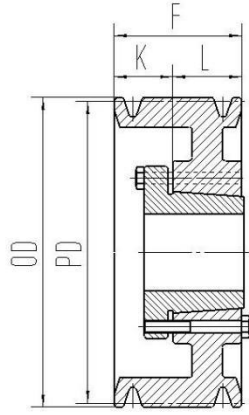
(in.)

SIZE	DIAMETER			TYPE	DIMENSIONS						
	OD	PD			F	L	P	C	X	G	E
		"A"	"B"								
3BK45H	4.25	3.50	3.90	1	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK47H	4.45	3.70	4.10	1	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK50H	4.75	4.00	4.40	1	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK52H	4.95	4.20	4.60	1	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK55H	5.25	4.50	4.90	1	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK57H	5.45	4.70	5.10	1	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK60H	5.75	5.00	5.40	2	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK62H	5.95	5.20	5.60	2	2-1/2	1-1/4	1/2	11/16	7/8	7/16	3/16
3BK65H	6.25	5.50	5.90	2	2-1/2	1-1/4	29/32	9/32	7/8	7/16	3/16
3BK67H	6.45	5.70	6.10	2	2-1/2	1-1/4	29/32	9/32	7/8	7/16	3/16
3BK70H	6.75	6.00	6.40	2	2-1/2	1-1/4	29/32	9/32	7/8	7/16	3/16
3BK80H	7.75	7.00	7.40	3	2-1/2	1-1/4	27/32	11/32	7/8	7/16	3/16
3BK90H	8.75	8.00	8.40	3	2-1/2	1-1/4	27/32	11/32	7/8	7/16	3/16
3BK100H	9.75	9.00	9.40	3	2-1/2	1-1/4	27/32	11/32	7/8	7/16	3/16
3BK110H	10.75	10.00	10.40	3	2-1/2	1-1/4	27/32	11/32	7/8	7/16	3/16
3BK120H	11.75	11.00	11.40	3	2-1/2	1-1/4	27/32	11/32	7/8	7/16	3/16
3BK130H	12.75	12.00	12.40	3	2-1/2	1-1/4	25/32	13/32	7/8	7/16	3/16
3BK140H	13.75	13.00	13.40	3	2-1/2	1-1/4	25/32	13/32	7/8	7/16	3/16
3BK160H	15.75	15.00	15.40	3	2-1/2	1-1/4	25/32	13/32	7/8	7/16	3/16
3BK190H	18.75	18.00	18.40	3	2-1/2	1-1/4	25/32	13/32	7/8	7/16	3/16

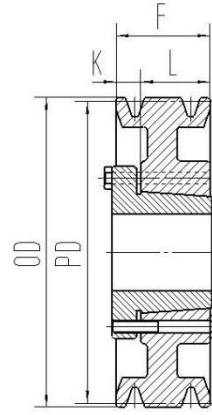
STRUCTURE SKETCH (QD SHEAVES)



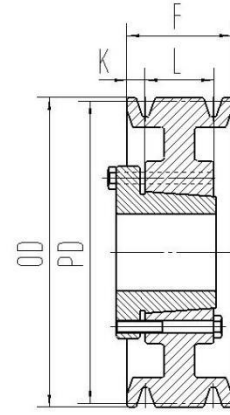
TYPE A



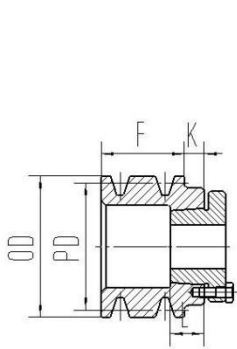
TYPE B



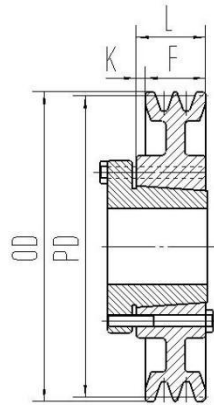
TYPE C



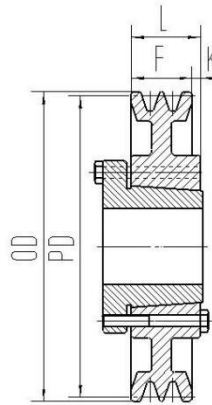
TYPE D



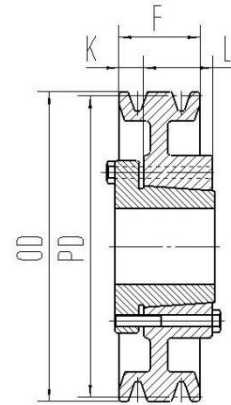
TYPE E



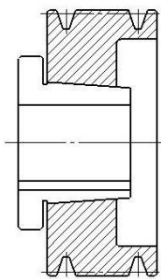
TYPE F



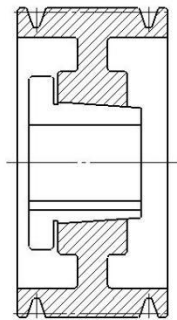
TYPE G



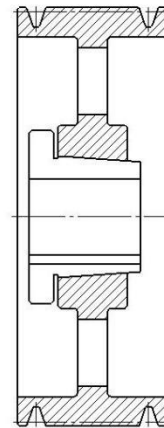
TYPE H



1 = SOLD



2 = WEB



3 = ARM/SPOKE



Table: 12

(in.)

OD	PD	1 GROOVE F=11/16 (F=3/4, 1-3V 800 SDS-1-3V 1060SDS) (F=13/16, 1-3V 1400 SK-1-3V 1900SK)					2 GROOVE F=1-3/32				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
2.20	2.15	1-3V 220JA	JA	E-1	33/64	9/16	2-3V 220JA	JA	E-1	33/64	9/16
2.35	2.30	1-3V 235JA	JA	E-1	33/64	9/16	2-3V 235JA	JA	E-1	33/64	9/16
2.50	2.45	1-3V 250JA	JA	E-1	33/64	9/16	2-3V 250JA	JA	E-1	33/64	9/16
2.65	2.60	1-3V 265JA	JA	C-1	1/8	9/16	2-3V 265JA	JA	D-1	1/8	9/16
2.80	2.75	1-3V 280JA	JA	C-1	1/8	9/16	2-3V 280JA	JA	D-1	1/8	9/16
3.00	2.95	1-3V 300JA	JA	C-1	1/8	9/16	2-3V 300JA	JA	D-1	1/8	9/16
3.15	3.10	1-3V 315JA	JA	C-1	1/8	9/16	2-3V 315JA	JA	D-1	1/8	9/16
3.35	3.30	1-3V 335JA	JA	C-1	1/8	9/16	2-3V 335SH	SH	D-1	9/64	13/16
3.65	3.60	1-3V 365SH	SH	G-1	1/8	13/16	2-3V 365SH	SH	D-1	9/64	13/16
4.12	4.07	1-3V 412SH	SH	G-1	1/8	13/16	2-3V 412SH	SH	D-1	9/32	13/16
4.50	4.45	1-3V 450SH	SH	G-1	1/8	13/16	2-3V 450SH	SH	D-1	9/32	13/16
4.75	4.70	1-3V 475SH	SH	G-2	1/8	13/16	2-3V 475SH	SH	D-2	9/32	13/16
5.00	4.95	1-3V 500SH	SH	G-2	1/8	13/16	2-3V 500SH	SH	D-2	9/32	13/16
5.30	5.25	1-3V 530SH	SH	G-2	1/8	13/16	2-3V 530SH	SH	D-2	9/32	13/16
5.60	5.55	1-3V 560SH	SH	G-2	1/8	13/16	2-3V 560SH	SH	D-2	9/32	13/16
6.00	5.95	1-3V 600SH	SH	G-2	1/8	13/16	2-3V 600SH	SH	D-2	9/32	13/16
6.50	6.45	1-3V 650SH	SH	G-3	1/8	13/16	2-3V650SDS	SDS	D-2	5/16	3/4
6.90	6.85	1-3V 690SH	SH	G-3	1/8	13/16	2-3V690SDS	SDS	D-3	5/16	3/4
8.00	7.95	1-3V 800SDS	SDS	G-3	0	3/4	2-3V800SDS	SDS	D-3	5/16	3/4
10.60	10.55	1-3V1060SDS	SDS	G-3	0	3/4	2-3V1060SK	SK	F-3	5/32	1-1/4
14.00	13.95	1-3V1400SK	SK	G-3	7/16	1-1/4	2-3V1400SK	SK	F-3	5/32	1-1/4
19.00	18.95	1-3V1900SK	SK	G-3	7/16	1-1/4	2-3V1900SK	SK	F-3	5/32	1-1/4
OD	PD	3 GROOVE F=1-1/2					4 GROOVE F=1-29/32				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
2.50	2.45	3-3V 250JA	JA	E-1	33/64	9/16	4-3V 265JA	JA	D-1	0	9/16
2.65	2.60	3-3V 265JA	JA	D-1	1/8	9/16	4-3V 280JA	JA	D-1	0	9/16
2.80	2.75	3-3V 280JA	JA	D-1	1/8	9/16	4-3V 300SH	SH	E-1	25/64	13/16
3.00	2.95	3-3V 300SH	SH	E-1	25/64	13/16	4-3V 315SH	SH	E-1	25/64	13/16
3.15	3.10	3-3V 315SH	SH	E-1	25/64	13/16	4-3V 335SH	SH	D-1	1/8	13/16
3.35	3.30	3-3V 335SH	SH	D-1	1/8	13/16	4-3V 365SH	SH	D-1	1/8	13/16
3.65	3.60	3-3V 365SH	SH	D-1	1/8	13/16	4-3V 412SH	SH	A-1	13/16	13/16
4.12	4.07	3-3V 412SH	SH	A-1	11/16	3/4	4-3V450SDS	SDS	A-1	13/16	3/4
4.50	4.45	3-3V 450SDS	SDS	A-1	11/16	3/4	4-3V475SDS	SDS	A-1	13/16	3/4
4.75	4.70	3-3V 475SDS	SDS	A-1	11/16	3/4	4-3V500SDS	SDS	A-1	13/16	3/4
5.00	4.95	3-3V 500SDS	SDS	A-1	11/16	3/4	4-3V530SDS	SDS	A-1	13/16	3/4
5.30	5.25	3-3V 530SDS	SDS	A-1	11/16	3/4	4-3V560SDS	SDS	A-1	13/16	3/4
5.60	5.55	3-3V 560SDS	SDS	A-2	11/16	3/4	4-3V 600SK	SK	D-1	5/8	1-1/4
6.00	5.95	3-3V 600SDS	SDS	A-2	11/16	3/4	4-3V 650SK	SK	D-2	5/8	1-1/4
6.50	6.45	3-3V 650SDS	SDS	A-2	11/16	3/4	4-3V690 SK	SK	D-2	5/8	1-1/4
6.90	6.85	3-3V 690SDS	SDS	A-3	11/16	3/4	4-3V 800SK	SK	D-3	5/8	1-1/4
8.00	7.95	3-3V 800SK	SK	C-3	1/4	1-1/4	4-3V1060SK	SK	D-3	5/8	1-1/4
10.60	10.55	3-3V 1060SK	SK	C-3	1/4	1-1/4	4-3V1400SK	SK	D-3	5/8	1-1/4
14.00	13.95	3-3V1400SK	SK	C-3	1/4	1-1/4	4-3V1900SF	SF	C-3	21/32	1-1/4
19.00	18.95	3-3V1900 SF	SF	C-3	1/4	1-1/4	4-3V2500SF	SF	C-3	21/32	1-1/4
25.00	24.95	3-3V2500SF	SF	C-3	1/4	1-1/4	4-3V 3350E	E	C-3	9/32	1-5/8
33.50	33.45	3-3V3350SF	SF	C-3	1/4	1-1/4					

To be continued



3V QD SHEAVES

QD SHEAVES 3V

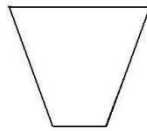
Table: 12

(in)

OD	PD	5 GROOVE F=2-5/16					6 GROOVE F=2-23/32				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
4.75	4.70	5-3V475SDS	SDS	A-1	13/16	3/4	6-3V475SK	SK	D-1	0	1-1/4
5.00	4.95	5-3V500SDS	SDS	A-1	13/16	3/4	6-3V500SK	SK	D-1	0	1-1/4
5.30	5.25	5-3V 530 SK	SK	A-1	15/16	1-1/4	6-3V530SK	SK	A-1	1-5/16	1-1/4
5.60	5.55	5-3V 560 SK	SK	A-1	15/16	1-1/4	6-3V560SK	SK	A-1	1-5/16	1-1/4
6.00	5.95	5-3V 600 SK	SK	A-1	15/16	1-1/4	6-3V600SK	SK	A-1	1-5/16	1-1/4
6.50	6.45	5-3V650 SK	SK	A-2	15/16	1-1/4	6-3V650SK	SK	A-2	1-5/16	1-1/4
6.90	6.85	5-3V690 SK	SK	A-2	15/16	1-1/4	6-3V690SK	SK	A-2	1-5/16	1-1/4
8.00	7.95	5-3V800SK	SK	A-3	15/16	1-1/4	6-3V800SK	SK	A-3	1-5/16	1-1/4
10.60	10.55	5-3V1060SK	SK	A-3	15/16	1-1/4	6-3V1060SF	SF	A-3	7/8	1-1/4
14.00	13.95	5-3V1400SF	SF	A-3	7/8	1-1/4	6-3V1400SF	SF	A-3	7/8	1-1/4
19.00	18.95	5-3V1900SF	SF	A-3	7/8	1-1/4	6-3V 1900E	E	B-3	1-3/32	1-5/8
25.00	24.95	5-3V2500E	E	C-3	11/16	1-5/8	6-3V 2500E	E	B-3	1-3/32	1-5/8
33.50	33.45	5-3V3350E	E	C-3	11/16	1-5/8	6-3V 3350E	E	B-3	1-3/32	1-5/8
OD	PD	8 GROOVE F=3-17/32					10 GROOVE F=4-11/32				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
4.75	4.70	8-3V 475SK	SK	D-1	0	1-1/4	10-3V475SK	SK	D-1	0	1-1/4
5.00	4.95	8-3V 500SK	SK	D-1	0	1-1/4	10-3V500SK	SK	D-1	0	1-1/4
5.30	5.25	8-3V 530SK	SK	A-1	1-5/16	1-1/4	10-3V530SK	SK	A-1	1-7/16	1-1/4
5.60	5.55	8-3V 560SK	SK	A-1	1-5/16	1-1/4	10-3V560SK	SK	A-1	1-7/16	1-1/4
6.00	5.95	8-3V 600SK	SK	A-1	1-5/16	1-1/4	10-3V600SK	SK	A-1	1-7/16	1-1/4
6.50	6.45	8-3V 650SK	SK	A-2	1-5/16	1-1/4	10-3V650SK	SK	A-1	1-7/16	1-1/4
6.90	6.85	8-3V 690SK	SK	A-2	1-5/16	1-1/4	10-3V690SK	SK	A-2	1-7/16	1-1/4
7.00	6.95						10-3V700SF	SF	A-1	1-1/2	1-1/4
8.00	7.95	8-3V 800SK	SK	A-2	1-1/8	1-1/4	10-3V800SF	SF	A-2	1-1/2	1-1/4
10.60	10.55	8-3V1060SF	SF	A-3	1-1/8	1-1/4	10-3V1060E	E	A-2	1-1/4	1-5/8
14.00	13.95	8-3V1400E	E	A-3	1-1/4	1-5/8	10-3V1400E	E	A-3	1-1/4	1-5/8
19.00	18.95	8-3V1900E	E	A-3	1-1/4	1-5/8	10-3V1900E	E	A-3	1-1/4	1-5/8
22.40	22.35	8-3V2240E	E	A-3	1-1/4	1-5/8					
25.00	24.95	8-3V2500 E	E	A-3	1-1/4	1-5/8	10-3V2500F	F	A-3	1-5/16	2-1/2
33.50	33.45	8-3V3350 F	F	B-3	1-1/32	2-1/2	10-3V3350F	F	A-3	1-5/16	2-1/2



5V QD SHEAVES



5/8X17/32

5V BELTS

**QD SHEAVES
5V**

Table: 13

(in.)

OD	PD	2 GROOVE F=1-11/16					3 GROOVE F=2-3/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
4.40	4.30	2-5V 440 SH	SH	A-1	7/8	13/16	3-5V440SDS	SDS	E-1	0	3/4
4.65	4.55	2-5V 465 SDS	SDS	E-1	0	3/4	3-5V465SDS	SDS	E-1	0	3/4
4.90	4.80	2-5V 490 SDS	SDS	A-1	11/16	3/4	3-5V490SDS	SDS	A-1	1-1/16	3/4
5.20	5.10	2-5V 520 SDS	SDS	A-1	11/16	3/4	3-5V520SDS	SDS	A-1	1-1/16	3/4
5.50	5.40	2-5V 550 SDS	SDS	A-1	11/16	3/4	3-5V550SDS	SDS	A-1	1-1/16	3/4
5.90	5.80	2-5V 590 SDS	SDS	A-1	11/16	3/4	3-5V590SDS	SDS	A-1	1-1/16	3/4
6.30	6.20	2-5V 630 SK	SK	C-1	7/16	1-1/4	3-5V 630 SK	SK	A-1	1-1/16	1-1/4
6.70	6.60	2-5V 670 SK	SK	C-1	7/16	1-1/4	3-5V 670 SK	SK	A-1	1-1/16	1-1/4
7.10	7.00	2-5V 710 SK	SK	C-2	7/16	1-1/4	3-5V 710 SF	SF	A-1	1-1/8	1-1/4
7.50	7.40	2-5V 750 SK	SK	C-2	7/16	1-1/4	3-5V 750 SF	SF	A-1	1-1/8	1-1/4
8.00	7.90	2-5V 800 SK	SK	C-2	7/16	1-1/4	3-5V 800 SF	SF	A-2	1-1/8	1-1/4
8.50	8.40	2-5V 850 SK	SK	C-3	7/16	1-1/4	3-5V 850 SF	SF	A-2	1-1/8	1-1/4
9.00	8.90	2-5V 900 SK	SK	C-3	7/16	1-1/4	3-5V 900 SF	SF	A-2	1-1/8	1-1/4
9.25	9.15	2-5V 925 SK	SK	C-3	7/16	1-1/4	3-5V 925 SF	SF	A-3	1-1/8	1-1/4
9.75	9.65	2-5V 975 SK	SK	C-3	7/16	1-1/4	3-5V 975 SF	SF	A-3	1-1/8	1-1/4
10.30	10.20	2-5V 1030 SK	SK	C-3	7/16	1-1/4	3-5V1030 SF	SF	A-3	1-1/8	1-1/4
10.90	10.80	2-5V 1090 SK	SK	C-3	7/16	1-1/4	3-5V1090 SF	SF	A-3	1-1/8	1-1/4
11.30	11.20	2-5V 1130 SK	SK	C-3	7/16	1-1/4	3-5V1130 SF	SF	A-3	1-1/8	1-1/4
11.80	11.70	2-5V 1180 SK	SK	C-3	7/16	1-1/4	3-5V 1180SF	SF	A-3	1-1/8	1-1/4
12.50	12.40	2-5V 1250 SF	SF	C-3	7/16	1-1/4	3-5V 1250E	E	C-3	3/4	1-5/8
13.20	13.10	2-5V 1320 SF	SF	C-3	7/16	1-1/4	3-5V 1320 E	E	C-3	3/4	1-5/8
14.00	13.90	2-5V 1400 SF	SF	C-3	7/16	1-1/4	3-5V 1400 E	E	C-3	3/4	1-5/8
15.00	14.90	2-5V 1500 SF	SF	C-3	7/16	1-1/4	3-5V 1500 E	E	C-3	3/4	1-5/8
16.00	15.90	2-5V 1600 SF	SF	C-3	7/16	1-1/4	3-5V 1600 E	E	C-3	3/4	1-5/8
18.70	18.60	2-5V 1870 SF	SF	C-3	7/16	1-1/4	3-5V 1870 E	E	C-3	3/4	1-5/8
21.20	21.10	2-5V 2120 SF	SF	C-3	7/16	1-1/4	3-5V 2120 E	E	C-3	3/4	1-5/8
23.60	23.50	2-5V 2360 E	E	C-3	1/16	1-5/8	3-5V 2360 E	E	C-3	3/4	1-5/8
28.00	27.90	2-5V 2800 E	E	C-3	1/16	1-5/8	3-5V 2800 E	E	C-3	3/4	1-5/8
31.50	31.40						3-5V 3150 F	F	F-3	1/8	2-1/2
37.50	37.40						3-5V 3750 F	F	F-3	1/8	2-1/2
50.00	49.90						3-5V 5000 F	F	F-3	1/8	2-1/2

To be continued

Table :13

(in)

OD	PD	4 GROOVE F=3-1/16					5 GROOVE F=3-3/4				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
4.40	4.30	4-5V 440 SD	SD	E-1	0	1-1/4	5-5V 440 SD	SD	E-1	0	1-1/4
4.65	4.55	4-5V 465 SD	SD	E-1	0	1-1/4	5-5V 465 SD	SD	E-1	0	1-1/4
4.90	4.80	4-5V 490 SD	SD	A-1	1-5/16	1-1/4	5-5V 490 SD	SD	A-1	1-5/16	1-1/4
5.20	5.10	4-5V 520 SD	SD	A-1	1-5/16	1-1/4	5-5V 520 SD	SD	A-1	1-5/16	1-1/4
5.50	5.40	4-5V 550 SD	SD	A-1	1-5/16	1-1/4	5-5V 550 SD	SD	A-1	1-5/16	1-1/4
5.90	5.80	4-5V 590 SD	SD	A-1	1-5/16	1-1/4	5-5V 590 SK	SK	A-1	1-5/16	1-1/4
6.30	6.20	4-5V 630 SK	SK	A-1	1-5/16	1-1/4	5-5V 630 SK	SK	A-1	1-5/16	1-1/4
6.70	6.60	4-5V 670 SK	SK	A-1	1-5/16	1-1/4	5-5V 670 SF	SF	A-1	1-3/8	1-1/4
7.10	7.00	4-5V 710 SF	SF	A-1	1-1/16	1-1/4	5-5V 710 SF	SF	A-1	1-3/8	1-1/4
7.50	7.40	4-5V 750 SF	SF	A-1	1-1/16	1-1/4	5-5V 750 SF	SF	A-1	1-3/8	1-1/4
8.00	7.90	4-5V 800 E	E	B-1	1-7/16	1-5/8	5-5V 800 E	E	A-1	1-3/4	1-5/8
8.50	8.40	4-5V 850 E	E	B-1	1-7/16	1-5/8	5-5V 850 E	E	A-1	1-3/4	1-5/8
9.00	8.90	4-5V 900 E	E	B-1	1-7/16	1-5/8	5-5V 900 E	E	A-1	1-3/4	1-5/8
9.25	9.15	4-5V 925 E	E	B-1	1-7/16	1-5/8	5-5V 925 E	E	A-1	1-3/4	1-5/8
9.75	9.65	4-5V 975 E	E	B-2	1-7/16	1-5/8	5-5V 975 E	E	A-2	1-3/4	1-5/8
10.30	10.20	4-5V 1030 E	E	B-2	1-7/16	1-5/8	5-5V 1030 E	E	A-2	1-3/4	1-5/8
10.90	10.80	4-5V 1090 E	E	B-2	1-7/16	1-5/8	5-5V 1090 E	E	A-2	1-3/4	1-5/8
11.30	11.20	4-5V 1130 E	E	B-3	1-7/16	1-5/8	5-5V 1130 E	E	A-3	1-3/4	1-5/8
11.80	11.70	4-5V 1180 E	E	B-3	1-7/16	1-5/8	5-5V 1180 E	E	A-3	1-3/4	1-5/8
12.50	12.40	4-5V 1250 E	E	B-3	1-7/16	1-5/8	5-5V 1250E	E	A-3	1-3/4	1-5/8
13.20	13.10	4-5V 1320 E	E	B-3	1-7/16	1-5/8	5-5V 1320 E	E	A-3	1-3/4	1-5/8
14.00	13.90	4-5V 1400 E	E	B-3	1-7/16	1-5/8	5-5V 1400 E	E	A-3	1-3/4	1-5/8
15.00	14.90	4-5V 1500 E	E	B-3	1-7/16	1-5/8	5-5V 1500 E	E	A-3	1-3/4	1-5/8
16.00	15.90	4-5V 1600 E	E	B-3	1-7/16	1-5/8	5-5V 1600 E	E	A-3	1-3/4	1-5/8
18.70	18.60	4-5V 1870 E	E	A-3	1-1/4	1-5/8	5-5V 1870 F	F	B-3	1-1/4	2-1/2
21.20	21.10	4-5V 2120 E	E	A-3	1-1/4	1-5/8	5-5V 2120 F	F	B-3	1-1/4	2-1/2
23.60	23.50	4-5V 2360 F	F	C-3	9/16	2-1/2	5-5V 2360 F	F	B-3	1-1/4	2-1/2
28.00	27.90	4-5V 2800 F	F	C-3	9/16	2-1/2	5-5V 2800 F	F	B-3	1-1/4	2-1/2
31.50	31.40	4-5V 3150 F	F	C-3	9/16	2-1/2	5-5V 3150 J	J	C-3	9/16	3-3/16
37.50	37.40	4-5V 3750 F	F	C-3	9/16	2-1/2	5-5V 3750 J	J	C-3	9/16	3-3/16
50.00	49.90	4-5V 5000 J	J	F-3	1/8	3-3/16	5-5V 5000 J	J	C-3	9/16	3-3/16

To be continued

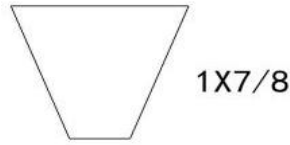
Table: 13

(in.)

OD	PD	6 GROOVE F=4-7/16					8 GROOVE F=5-13/16				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
4.40	4.30	6-5V 440 SD	SD	E-1	0	1-1/4					
4.65	4.55	6-5V 465 SD	SD	E-1	0	1-1/4					
4.90	4.80	6-5V 490 SD	SD	A-1	1-5/16	1-1/4					
5.20	5.10	6-5V 520 SD	SD	A-1	1-5/16	1-1/4					
5.50	5.40	6-5V 550 SD	SD	A-1	1-5/16	1-1/4					
5.90	5.80	6-5V 590 SK	SK	A-1	1-5/16	1-1/4					
6.30	6.20	6-5V 630 SK	SK	A-1	1-5/16	1-1/4					
6.70	6.60	6-5V 670 SF	SF	A-1	1-5/8	1-1/4					
7.10	7.00	6-5V 710SF	SF	A-1	1-5/8	1-1/4	8-5V 710 SF	SF	A-1	2-1/8	1-1/4
7.50	7.40	6-5V 750 SF	SF	A-1	1-5/8	1-1/4	8-5V 750 SF	SF	A-1	2-1/8	1-1/4
8.00	7.90	6-5V 800 E	E	A-1	2	1-5/8	8-5V 800 E	E	A-1	2-1/2	1-5/8
8.50	8.40	6-5V 850 E	E	A-1	2	1-5/8	8-5V 850 E	E	A-1	2-1/2	1-5/8
9.00	8.90	6-5V 900 E	E	A-1	2	1-5/8	8-5V 900 E	E	A-1	2-1/2	1-5/8
9.25	9.15	6-5V 925 E	E	A-1	2	1-5/8	8-5V 925 F	F	A-1	2-9/16	2-1/2
9.75	9.65	6-5V 975 E	E	A-2	2	1-5/8	8-5V 975 F	F	A-1	2-9/16	2-1/2
10.30	10.20	6-5V 1030 E	E	A-2	2	1-5/8	8-5V 1030 F	F	A-1	2-9/16	2-1/2
10.90	10.80	6-5V 1090 E	E	A-2	2	1-5/8	8-5V 1090 F	F	A-2	2-9/16	2-1/2
11.30	11.20	6-5V 1130 E	E	A-3	2	1-5/8	8-5V 1130 F	F	A-2	2-9/16	2-1/2
11.80	11.70	6-5V 1180 E	E	A-3	2	1-5/8	8-5V 1180 F	F	A-2	2-9/16	2-1/2
12.50	12.40	6-5V 1250 F	F	B-3	1-15/16	2-1/2	8-5V 1250 F	F	A-3	2-9/16	2-1/2
13.20	13.10	6-5V 1320 F	F	B-3	1-15/16	2-1/2	8-5V 1320 F	F	A-3	2-9/16	2-1/2
14.00	13.90	6-5V 1400 F	F	B-3	1-15/16	2-1/2	8-5V 1400 F	F	A-3	2-9/16	2-1/2
15.00	14.90	6-5V 1500 F	F	B-3	1-15/16	2-1/2	8-5V 1500 F	F	A-3	2-9/16	2-1/2
16.00	15.90	6-5V 1600 F	F	B-3	1-15/16	2-1/2	8-5V 1600 F	F	A-3	2-9/16	2-1/2
18.70	18.60	6-5V 1870 F	F	A-3	1-5/16	2-1/2	8-5V 1870 J	J	A-3	1-9/16	3-3/16
21.20	21.10	6-5V 2120 F	F	A-3	1-5/16	2-1/2	8-5V2120 J	J	A-3	1-9/16	3-3/16
23.60	23.50	6-5V 2360 J	J	B-3	1-1/4	3-3/16	8-5V 2360 J	J	A-3	1-9/16	3-3/16
28.00	27.90	6-5V 2800 J	J	B-3	1-1/4	3-3/16	8-5V 2800 J	J	A-3	1-9/16	3-3/16
31.50	31.40	6-5V 3150 J	J	B-3	1-1/4	3-3/16	8-5V3150 M	M	B-3	5/8	5-3/16
37.50	37.40	6-5V 3750 J	J	B-3	1-1/4	3-3/16	8-5V3750 M	M	B-3	5/8	5-3/16
50.00	49.90	6-5V5000 M	M	B-3	3/4	5-3/16	8-5V5000 M	M	B-3	5/8	5-3/16
OD	PD	10 GROOVE F=7-3/16									
		SIZE	BUSH	TYPE	K	L					
8.00	7.90	10-5V 800 E	E	A-1	3-1/4	1-5/8					
8.50	8.40	10-5V 850 E	E	A-1	3-1/4	1-5/8					
9.00	8.90	10-5V 900 F	F	A-1	3-5/16	2-1/2					
9.25	9.15	10-5V 925 F	F	A-1	3-5/16	2-1/2					
9.75	9.65	10-5V 975 F	F	A-1	3-5/16	2-1/2					
10.30	10.20	10-5V 1030 F	F	A-1	3-5/16	2-1/2					
10.90	10.80	10-5V 1090 F	F	A-1	3-5/16	2-1/2					
11.30	11.20	10-5V 1130 F	F	A-2	3-5/16	2-1/2					
11.80	11.70	10-5V 1180 F	F	A-2	3-5/16	2-1/2					
12.50	12.40	10-5V 1250 J	J	A-2	3-9/16	3-3/16					
13.20	13.10	10-5V 1320 J	J	A-2	3-9/16	3-3/16					
14.00	13.90	10-5V 1400 J	J	A-2	3-9/16	3-3/16					
15.00	14.90	10-5V 1500 J	J	A-2	3-9/16	3-3/16					
16.00	15.90	10-5V 1600 J	J	A-3	3-9/16	3-3/16					
18.70	18.60	10-5V 1870 J	J	A-3	1-9/16	3-3/16					
21.20	21.10	10-5V 2120 J	J	A-3	1-9/16	3-3/16					
23.60	23.50	10-5V 2360 M	M	B-3	2	5-3/16					
28.00	27.90	10-5V 2800 M	M	B-3	2	5-3/16					
31.50	31.40	10-5V 3150 M	M	B-3	2	5-3/16					
37.50	37.40	10-5V 3750 M	M	B-3	2	5-3/16					
50.00	49.90	10-5V 5000 M	M	B-3	2	5-3/16					



8V QD SHEAVES



8V BELTS

QD SHEAVES

8V

Table: 14

(in.)

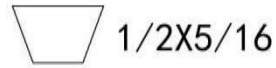
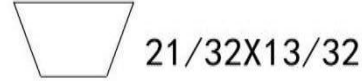
OD	PD	4 GROOVE F=4-7/8					5 GROOVE F=6				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
12.50	12.30	4-8V 1250 F	F	A-2	1-3/16	2-1/2	5-8V 1250 F	F	A-2	2-5/16	2-1/2
13.20	13.00	4-8V 1320 F	F	A-2	1-3/16	2-1/2	5-8V 1320 F	F	A-2	2-5/16	2-1/2
14.00	13.80	4-8V 1400 F	F	A-2	1-3/16	2-1/2	5-8V 1400 F	F	A-2	2-5/16	2-1/2
15.00	14.80	4-8V 1500 F	F	A-3	1-3/16	2-1/2	5-8V 1500 F	F	A-3	2-5/16	2-1/2
16.00	15.80	4-8V 1600 F	F	A-3	1-3/16	2-1/2	5-8V 1600 F	F	A-3	2-5/16	2-1/2
17.00	16.80	4-8V 1700 F	F	A-3	1-3/16	2-1/2	5-8V 1700 J	J	A-3	2	3-3/16
18.00	17.80	4-8V 1800 F	F	A-3	1-3/16	2-1/2	5-8V 1800 J	J	A-3	2	3-3/16
19.00	18.80	4-8V 1900 F	F	A-3	1-3/16	2-1/2	5-8V 1900 J	J	A-3	2	3-3/16
20.00	19.80	4-8V 2000 J	J	A-3	1-7/16	3-3/16	5-8V 2000 J	J	A-3	2	3-3/16
21.20	21.00	4-8V 2120 J	J	A-3	1-7/16	3-3/16	5-8V 2120 J	J	A-3	2	3-3/16
22.40	22.20	4-8V 2240 J	J	A-3	1-7/16	3-3/16	5-8V 2240 M	M	B-3	13/16	5-3/16
24.80	24.60	4-8V 2480 M	M	F-3	5/16	5-3/16	5-8V 2480 M	M	B-3	13/16	5-3/16
30.00	29.80	4-8V 3000 M	M	F-3	5/16	5-3/16	5-8V 3000 M	M	B-3	13/16	5-3/16
35.50	35.30	4-8V 3550 M	M	F-3	5/16	5-3/16	5-8V 3550 M	M	B-3	13/16	5-3/16
40.00	39.80	4-8V 4000 M	M	F-3	5/16	5-3/16	5-8V 4000 M	M	B-3	13/16	5-3/16
44.50	44.30	4-8V 4450 M	M	H-3	13/16	5-3/16	5-8V 4450 N	N	H-3	15/16	6-1/4
53.00	52.80	4-8V 5300 M	M	H-3	13/16	5-3/16	5-8V 5300 N	N	F-3	1/4	6-1/4

To be continued

Table: 14

(in.)

OD	PD	6 GROOVE F=7-1/8					8 GROOVE F=9-3/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
12.50	12.30	6-8V 1250 F	F	A-2	2-5/16	2-1/2	8-8V 1250 J	J	A-1	3-9/16	3-3/16
13.20	13.00	6-8V 1320 F	F	A-2	2-5/16	2-1/2	8-8V 1320 J	J	A-1	3-9/16	3-3/16
14.00	13.80	6-8V 1400 F	F	A-2	2-5/16	2-1/2	8-8V 1400 J	J	A-2	3-9/16	3-3/16
15.00	14.80	6-8V 1500 J	J	A-2	2-9/16	3-3/16	8-8V 1500 J	J	A-2	3-9/16	3-3/16
16.00	15.80	6-8V 1600 J	J	A-3	2-9/16	3-3/16	8-8V 1600 J	J	A-2	3-9/16	3-3/16
17.00	16.80	6-8V 1700 J	J	A-3	2-9/16	3-3/16	8-8V 1700 M	M	A-2	3-15/16	5-3/16
18.00	17.80	6-8V 1800 J	J	A-3	2-9/16	3-3/16	8-8V 1800 M	M	A-2	3-15/16	5-3/16
19.00	18.80	6-8V 1900 J	J	A-3	2-9/16	3-3/16	8-8V 1900 M	M	A-2	3-15/16	5-3/16
20.00	19.80	6-8V 2000 M	M	B-3	1-15/16	5-3/16	8-8V 2000 M	M	A-3	3-15/16	5-3/16
21.20	21.00	6-8V 2120 M	M	B-3	1-15/16	5-3/16	8-8V 2120 M	M	A-3	3-15/16	5-3/16
22.40	22.20	6-8V 2240 M	M	B-3	1-15/16	5-3/16	8-8V 2240 M	M	A-3	3-15/16	5-3/16
24.80	24.60	6-8V 2480 M	M	B-3	1-15/16	5-3/16	8-8V 2480 N	N	A-3	2-1/4	6-1/4
30.00	29.80	6-8V 3000 M	M	B-3	1-15/16	5-3/16	8-8V 3000 N	N	A-3	2-1/4	6-1/4
35.50	35.30	6-8V 3550 N	N	C-3	7/8	6-1/4	8-8V 3550 N	N	A-3	2-1/4	6-1/4
40.00	39.80	6-8V 4000 N	N	C-3	7/8	6-1/4	8-8V 4000 N	N	A-3	2-1/4	6-1/4
44.50	44.30	6-8V 4450 N	N	C-3	7/8	6-1/4	8-8V 4450 P	P	H-3	2-5/8	7-1/4
53.00	52.80	6-8V 5300 N	N	C-3	7/8	6-1/4	8-8V 5300 P	P	H-3	2-5/8	7-1/4
63.00	62.80	6-8V 6300 P	P	H-3	2	7-1/4	8-8V 6300 P	P	H-3	2-5/8	7-1/4
71.00	70.80	6-8V 7100 P	P	H-3	2	7-1/4	8-8V 7100 W	W	H-3	2-1/4	9
OD	PD	10 GROOVE F=11-5/8					12 GROOVE F=13-7/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
12.50	12.30	10-8V 1250 J	J	A-1	3-9/16	3-3/16	12-8V 1250 M	M	A-1	3-15/16	5-3/16
13.20	13.00	10-8V 1320 J	J	A-1	3-9/16	3-3/16	12-8V 1320 M	M	A-1	3-15/16	5-3/16
14.00	13.80	10-8V 1400 J	J	A-1	3-9/16	3-3/16	12-8V 1400 M	M	A-1	3-15/16	5-3/16
15.00	14.80	10-8V 1500 M	M	A-1	3-15/16	5-3/16	12-8V 1500 M	M	A-1	3-15/16	5-3/16
16.00	15.80	10-8V 1600 M	M	A-1	3-15/16	5-3/16	12-8V 1600 M	M	A-1	3-15/16	5-3/16
17.00	16.80	10-8V 1700 M	M	A-2	3-15/16	5-3/16	12-8V 1700 M	M	A-1	3-15/16	5-3/16
18.00	17.80	10-8V 1800 M	M	A-2	3-15/16	5-3/16	12-8V 1800 M	M	A-2	3-15/16	5-3/16
19.00	18.80	10-8V 1900 M	M	A-2	3-15/16	5-3/16	12-8V 1900 N	N	A-2	2-1/16	6-1/4
20.00	19.80	10-8V 2000 M	M	A-3	3-15/16	5-3/16	12-8V 2000 N	N	A-2	2-1/16	6-1/4
21.20	21.00	10-8V 2120 M	M	A-3	3-15/16	5-3/16	12-8V 2120 N	N	A-3	2-1/16	6-1/4
22.40	22.20	10-8V 2240 N	N	A-3	2-1/4	6-1/4	12-8V 2240 N	N	A-3	2-1/16	6-1/4
24.80	24.60	10-8V 2480 N	N	A-3	2-1/4	6-1/4	12-8V 2480 N	N	A-3	2-1/16	6-1/4
30.00	29.80	10-8V 3000 N	N	A-3	2-1/4	6-1/4	12-8V 3000 P	P	A-3	2-3/8	7-1/4
35.50	35.30	10-8V 3550 P	P	A-3	2-5/8	7-1/4	12-8V 3550 P	P	A-3	2-3/8	7-1/4
40.00	39.80	10-8V 4000 P	P	A-3	2-5/8	7-1/4	12-8V 4000 P	P	A-3	2-3/8	7-1/4
44.50	44.30	10-8V 4450 P	P	A-3	2-5/8	7-1/4	12-8V 4450 P	P	A-3	2-3/8	7-1/4
53.00	52.80	10-8V 5300 P	P	A-3	1-51/64	7-1/4	12-8V 5300 W	W	A-3	2-5/8	9
63.00	62.80	10-8V 6300 W	W	B-3	2-5/8	9	12-8V 6300 W	W	A-3	2-7/8	9
71.00	70.80	10-8V 7100 W	W	B-3	2-5/8	9	12-8V 7100 W	W	A-3	2-7/8	9


A BELTS

B BELTS
Table: 15

(in.)

OD	PD		1 GROOVE P=7/8 THRU 1B 64 SDS/P=1 OTHERS					2 GROOVE P=1-3/4				
	A	B	SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
3.75	3.00	3.40	1 B 34 SH	SH	D-1	0	13/16	2 B 34 SH	SH	E-1	0	13/16
3.95	3.20	3.60	1 B 36 SH	SH	D-1	0	13/16	2 B 36 SH	SH	D-1	3/16	13/16
4.15	3.40	3.80	1 B 38 SH	SH	D-1	0	13/16	2 B 38 SH	SH	D-1	3/16	13/16
4.35	3.60	4.00	1 B 40 SH	SH	C-1	1/16	13/16	2 B 40 SH	SH	A-1	11/16	13/16
4.55	3.80	4.20	1 B 42 SH	SH	C-1	1/16	13/16	2 B 42 SH	SH	A-1	11/16	13/16
4.75	4.00	4.40	1 B 44 SH	SH	C-1	1/16	13/16	2 B 44 SH	SH	A-1	11/16	13/16
4.95	4.20	4.60	1 B 46 SDS	SDS	C-1	1/8	3/4	2 B 46SDS	SDS	A-1	11/16	3/4
5.15	4.40	4.80	1 B48 SDS	SDS	C-1	1/8	3/4	2 B 48SDS	SDS	A-1	11/16	3/4
5.35	4.60	5.00	1 B 50 SDS	SDS	C-1	1/8	3/4	2 B 50SDS	SDS	A-1	11/16	3/4
5.55	4.80	5.20	1 B 52 SDS	SDS	C-1	1/8	3/4	2 B 52SDS	SDS	A-1	11/16	3/4
5.75	5.00	5.40	1 B 54 SDS	SDS	C-1	1/8	3/4	2 B 54 SDS	SDS	A-1	11/16	3/4
5.95	5.20	5.60	1 B 56 SDS	SDS	C-1	1/8	3/4	2 B 56SDS	SDS	A-1	11/16	3/4
6.15	5.40	5.80	1 B 58 SDS	SDS	C-2	1/8	3/4	2 B 58SDS	SDS	A-2	11/16	3/4
6.35	5.60	6.00	1 B 60 SDS	SDS	C-2	1/8	3/4	2 B 60SDS	SDS	A-2	11/16	3/4
6.55	5.80	6.20	1B 62 SDS	SDS	C-2	1/8	3/4	2 B 62SDS	SDS	A-2	11/16	3/4
6.75	6.00	6.40	1B 64 SDS	SDS	C-2	1/8	3/4	2 B 64SDS	SDS	A-2	11/16	3/4
6.95	6.20	6.60	1 B 66 SDS	SDS	C-2	1/4	3/4	2 B 66SDS	SDS	A-2	11/16	3/4
7.15	6.40	6.80	1 B 68 SDS	SDS	C-2	1/4	3/4	2 B 68SDS	SDS	A-2	11/16	3/4
7.35	6.60	7.00	1 B 70 SDS	SDS	C-2	1/4	3/4	2 B 70SK	SK	D-2	7/16	1-1/4
7.75	7.00	7.40	1 B 74 SDS	SDS	C-3	1/4	3/4	2 B 74SK	SK	D-2	7/16	1-1/4
8.35	7.60	8.00	1 B 80 SDS	SDS	C-3	1/4	3/4	2 B 80 SK	SK	D-3	7/16	1-1/4
8.95	8.20	8.60	1 B 86 SDS	SDS	C-3	1/4	3/4	2 B 86 SK	SK	D-3	7/16	1-1/4
9.35	8.60	9.00	1 B 90 SDS	SDS	C-3	1/4	3/4	2 B 90 SK	SK	D-3	7/16	1-1/4
9.75	9.00	9.40	1 B 94 SDS	SDS	C-3	1/4	3/4	2 B 94 SK	SK	D-3	7/16	1-1/4
11.35	10.60	11.00	1 B 110SDS	SDS	C-3	1/4	3/4	2 B 110 SK	SK	D-3	7/16	1-1/4
12.75	12.00	12.40	1 B 124SDS	SDS	C-3	1/4	3/4	2 B 124 SK	SK	D-3	7/16	1-1/4
13.95	13.20	13.60	1 B 136SDS	SDS	C-3	1/4	3/4	2 B 136 SK	SK	D-3	7/16	1-1/4
15.75	15.00	15.40	1 B 154SK	SK	F-3	1/4	1-1/4	2 B 154 SK	SK	D-3	7/16	1-1/4
16.35	15.60	16.00	1 B 160SK	SK	F-3	1/4	1-1/4	2 B 160 SK	SK	D-3	7/16	1-1/4
18.75	18.00	18.40	1 B 184SK	SK	F-3	1/4	1-1/4	2 B 184 SK	SK	D-3	7/16	1-1/4
20.35	19.60	20.00	1 B 200SK	SK	F-3	1/4	1-1/4	2 B 200 SF	SF	D-3	3/8	1-1/4
25.35	24.60	25.00	1 B 250SF	SF	F-3	1/4	1-1/4	2 B 250 SF	SF	D-3	3/8	1-1/4
30.35	29.60	30.00	1 B 300SF	SF	F-3	1/8	1-1/4	2 B 300 SF	SF	D-3	3/8	1-1/4
38.35	37.60	38.00						2 B 380 SF	SF	D-3	3/8	1-1/4

To be continued

Table: 15

(in.)

PD	OD		3 GROOVE F=2-1/2					4 GROOVE F=3-1/4				
	A	B	SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
3.75	3.00	3.40	3 B34 SH	SH	E-1	0	13/16	4 B 34SD	SD	E-1	5/16	1-1/4
3.95	3.20	3.60	3 B36 SH	SH	D-1	3/16	13/16	4 B 36 SD	SD	E-1	5/16	1-1/4
4.15	3.40	3.80	3 B38 SH	SH	D-1	3/16	13/16	4 B 38 SD	SD	E-1	5/16	1-1/4
4.35	3.60	4.00	3 B40 SH	SH	A-1	1-1/16	13/16	4 B 40 SD	SD	E-1	0	1-1/4
4.55	3.80	4.20	3 B42 SH	SH	A-1	1-1/16	13/16	4 B 42 SD	SD	E-1	0	1-1/4
4.75	4.00	4.40	3 B44 SH	SH	A-1	1-1/16	13/16	4 B 44 SD	SD	E-1	0	1-1/4
4.95	4.20	4.60	3 B46 SD	SD	A-1	1-1/16	1-1/4	4 B 46 SD	SD	A-1	1-5/16	1-1/4
5.15	4.40	4.80	3 B48 SD	SD	A-1	1-1/16	1-1/4	4 B 48 SD	SD	A-1	1-5/16	1-1/4
5.35	4.60	5.00	3 B50 SD	SD	A-1	1-1/16	1-1/4	4 B 50 SD	SD	A-1	1-5/16	1-1/4
5.55	4.80	5.20	3 B52 SD	SD	A-1	1-1/16	1-1/4	4 B 52 SD	SD	A-1	1-5/16	1-1/4
5.75	5.00	5.40	3 B54 SD	SD	A-1	1-1/16	1-1/4	4 B 54 SD	SD	A-1	1-5/16	1-1/4
5.95	5.20	5.60	3 B56 SD	SD	A-1	1-1/16	1-1/4	4 B 56 SD	SD	A-1	1-5/16	1-1/4
6.15	5.40	5.80	3 B58 SD	SD	A-1	1-1/16	1-1/4	4 B 58 SD	SD	A-1	1-5/16	1-1/4
6.35	5.60	6.00	3 B60 SD	SD	A-2	1-1/16	1-1/4	4 B 60 SD	SD	A-2	1-5/16	1-1/4
6.55	5.80	6.20	3 B62 SD	SD	A-2	1-1/16	1-1/4	4 B 62 SD	SD	A-2	1-5/16	1-1/4
6.75	6.00	6.40	3 B64 SD	SD	A-2	1-1/16	1-1/4	4 B 64 SD	SD	A-2	1-5/16	1-1/4
6.95	6.20	6.60	3 B66 SD	SD	A-2	1-1/16	1-1/4	4 B 66 SD	SD	A-2	1-5/16	1-1/4
7.15	6.40	6.80	3 B68 SD	SD	A-2	1-1/16	1-1/4	4 B 68 SD	SD	A-2	1-5/16	1-1/4
7.35	6.60	7.00	3 B70 SK	SK	A-2	11/16	1-1/4	4 B 70 SK	SK	A-2	1	1-1/4
7.75	7.00	7.40	3 B74 SK	SK	A-2	11/16	1-1/4	4 B 74 SK	SK	A-2	1	1-1/4
8.35	7.60	8.00	3 B 80SK	SK	A-3	11/16	1-1/4	4 B 80 SK	SK	A-3	1	1-1/4
8.95	8.20	8.60	3 B 86SK	SK	A-3	11/16	1-1/4	4 B 86 SK	SK	A-3	1	1-1/4
9.75	9.00	9.40	3 B 94SK	SK	A-3	11/16	1-1/4	4 B 94 SK	SK	A-3	1	1-1/4
11.35	10.60	11.00	3 B 110SK	SK	A-3	11/16	1-1/4	4 B110 SK	SK	A-3	1	1-1/4
12.75	12.00	12.40	3 B 124SK	SK	A-3	11/16	1-1/4	4 B124 SK	SK	A-3	1	1-1/4
13.95	13.20	13.60	3 B136 SK	SK	A-3	11/16	1-1/4	4 B136 SK	SK	A-3	1	1-1/4
15.75	15.00	15.40	3 B154 SK	SK	A-3	11/16	1-1/4	4 B154 SF	SF	A-3	1	1-1/4
16.35	15.60	16.00	3 B160 SK	SK	A-3	11/16	1-1/4	4 B160 SF	SF	A-3	1	1-1/4
18.75	18.00	18.40	3 B184 SK	SK	A-3	11/16	1-1/4	4 B184 SF	SF	A-3	1	1-1/4
20.35	19.60	20.00	3 B200 SF	SF	D-3	5/8	1-1/4	4 B200 SF	SF	A-3	1	1-1/4
25.35	24.60	25.00	3 B250SF	SF	D-3	5/8	1-1/4	4 B 250 E	E	A-3	1	1-5/8
30.35	29.60	30.00	3 B300SF	SF	D-3	5/8	1-1/4	4 B 300 E	E	A-3	1	1-5/8
38.35	37.60	38.00	3 B380 E	E	D-3	5/8	1-5/8	4 B 380 E	E	A-3	1	1-5/8

To be continued

Table: 15

(in.)

OD	PD		5 GROOVE F=4					6 GROOVE F=4-3/4				
	A	B	SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
3.75	3.00	3.40	5 B 34 SD	SD	E-1	7/16	1-1/4	6 B 34 SD	SD	E-1	5/16	1-1/4
3.95	3.20	3.60	5 B 36 SD	SD	E-1	7/16	1-1/4	6 B 36 SD	SD	E-1	5/16	1-1/4
4.15	3.40	3.80	5 B 38 SD	SD	E-1	5/16	1-1/4	6 B 38 SD	SD	E-1	5/16	1-1/4
4.35	3.60	4.00	5 B 40 SD	SD	E-1	0	1-1/4	6 B 40 SD	SD	E-1	0	1-1/4
4.55	3.80	4.20	5 B 42 SD	SD	E-1	0	1-1/4	6 B 42 SD	SD	E-1	0	1-1/4
4.75	4.00	4.40	5 B 44 SD	SD	E-1	0	1-1/4	6 B 44 SD	SD	E-1	0	1-1/4
4.95	4.20	4.60	5 B 46 SD	SD	A-1	1-5/16	1-1/4	6 B 46 SD	SD	A-1	1-3/16	1-1/4
5.15	4.40	4.80	5 B 48 SD	SD	A-1	1-5/16	1-1/4	6 B 48 SD	SD	A-1	1-3/16	1-1/4
5.35	4.60	5.00	5 B 50 SD	SD	A-1	1-5/16	1-1/4	6 B 50 SD	SD	A-1	1-3/16	1-1/4
5.55	4.80	5.20	5 B 52 SD	SD	A-1	1-5/16	1-1/4	6 B 52 SD	SD	A-1	1-3/16	1-1/4
5.75	5.00	5.40	5 B 54 SK	SK	A-1	1-5/16	1-1/4	6 B 54 SK	SK	A-1	1-5/16	1-1/4
5.95	5.20	5.60	5 B 56 SK	SK	A-1	1-5/16	1-1/4	6 B 56 SK	SK	A-1	1-5/16	1-1/4
6.15	5.40	5.80	5 B 58 SK	SK	A-1	1-5/16	1-1/4	6 B 58 SK	SK	A-1	1-5/16	1-1/4
6.35	5.60	6.00	5 B 60 SK	SK	A-1	1-5/16	1-1/4	6 B 60 SK	SK	A-1	1-5/16	1-1/4
6.55	5.80	6.20	5 B 62 SK	SK	A-1	1-5/16	1-1/4	6 B 62 SK	SK	A-1	1-5/16	1-1/4
6.75	6.00	6.40	5 B 64 SK	SK	A-1	1-5/16	1-1/4	6 B 64 SK	SK	A-1	1-5/16	1-1/4
6.95	6.20	6.60	5 B 66 SK	SK	A-1	1-5/16	1-1/4	6 B 66 SK	SK	A-1	1-5/16	1-1/4
7.15	6.40	6.80	5 B 68 SK	SK	A-1	1-5/16	1-1/4	6 B 68 SK	SK	A-1	1-5/16	1-1/4
7.35	6.60	7.00	5 B 70 SF	SF	A-1	1-5/16	1-1/4	6 B 70 SF	SF	A-1	1-11/16	1-1/4
7.75	7.00	7.40	5 B 74 SF	SF	A-1	1-5/16	1-1/4	6 B 74 SF	SF	A-1	1-11/16	1-1/4
8.35	7.60	8.00	5 B 80 SF	SF	A-2	1-5/16	1-1/4	6 B 80 SF	SF	A-1	1-11/16	1-1/4
8.95	8.20	8.60	5 B 86 SF	SF	A-2	1-5/16	1-1/4	6 B 86 SF	SF	A-2	1-11/16	1-1/4
9.75	9.00	9.40	5 B 94 SF	SF	A-3	1-5/16	1-1/4	6 B 94 SF	SF	A-3	1-11/16	1-1/4
11.35	10.60	11.00	5 B 110 SF	SF	A-3	1-5/16	1-1/4	6 B 110 SF	SF	A-3	1-11/16	1-1/4
12.75	12.00	12.40	5 B 124 SF	SF	A-3	1-5/16	1-1/4	6 B 124 SF	SF	A-3	1-11/16	1-1/4
13.95	13.20	13.60	5 B 136 SF	SF	A-3	1-5/16	1-1/4	6 B 136 SF	SF	A-3	1-11/16	1-1/4
15.75	15.00	15.40	5 B 154 SF	SF	A-3	1-5/16	1-1/4	6 B 154 SF	SF	A-3	1-11/16	1-1/4
16.35	15.60	16.00	5 B 160 SF	SF	A-3	1-5/16	1-1/4	6 B 160 SF	SF	A-3	1-11/16	1-1/4
18.75	18.00	18.40	5 B 184 SF	SF	A-3	1-5/16	1-1/4	6 B 184 SF	SF	A-3	1-11/16	1-1/4
20.35	19.60	20.00	5 B 200 E	E	A-3	1-1/4	1-5/8	6 B 200 E	E	A-3	1-3/8	1-5/8
25.35	24.60	25.00	5 B 250 E	E	A-3	1-1/4	1-5/8	6 B 250 E	E	A-3	1-3/8	1-5/8
30.35	29.60	30.00	5 B 300 E	E	A-3	1-1/4	1-5/8	6 B 300 E	E	A-3	1-3/8	1-5/8
38.35	37.60	38.00	5 B 380 E	E	A-3	1-1/4	1-5/8	6 B 380 E	E	A-3	1-3/8	1-5/8
OD	PD		8 GROOVE F=6-1/4					10 GROOVE F=7-3/4				
	A	B	SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
5.75	5.00	5.40	8 B 54 SK	SK	A-1	1-13/16	1-1/4	10 B 54 SK	SK	A-1	2-9/16	1-1/4
5.95	5.20	5.60	8 B 56 SK	SK	A-1	1-13/16	1-1/4	10 B 56 SK	SK	A-1	2-9/16	1-1/4
6.15	5.40	5.80	8 B 58 SK	SK	A-1	1-13/16	1-1/4	10 B 58 SK	SK	A-1	2-9/16	1-1/4
6.35	5.60	6.00	8 B 60 SK	SK	A-1	1-13/16	1-1/4	10 B 60 SK	SK	A-1	2-9/16	1-1/4
6.55	5.80	6.20	8 B 62 SF	SF	A-1	1-13/16	1-1/4	10 B 62 SF	SF	A-1	2-9/16	1-1/4
6.75	6.00	6.40	8 B 64 SF	SF	A-1	1-13/16	1-1/4	10 B 64 SF	SF	A-1	2-9/16	1-1/4
6.95	6.20	6.60	8 B 66 SF	SF	A-1	1-13/16	1-1/4	10 B 66 SF	SF	A-1	2-9/16	1-1/4
7.15	6.40	6.80	8 B 68 SF	SF	A-1	1-13/16	1-1/4	10 B 68 SF	SF	A-1	2-9/16	1-1/4
7.35	6.60	7.00	8 B 70 SF	SF	A-1	1-13/16	1-1/4	10 B 70 SF	SF	A-1	2-9/16	1-1/4
7.75	7.00	7.40	8 B 74 SF	SF	A-1	1-13/16	1-1/4	10 B 74 SF	SF	A-1	2-9/16	1-1/4
8.35	7.60	8.00	8 B 80 SF	SF	A-1	1-13/16	1-1/4	10 B 80 SF	SF	A-1	2-9/16	1-1/4
8.95	8.20	8.60	8 B 86 E	E	A-1	2-3/8	1-5/8	10 B 86 E	E	A-1	3-1/8	1-5/8
9.75	9.00	9.40	8 B 94 E	E	A-1	2-3/8	1-5/8	10 B 94 E	E	A-1	3-1/8	1-5/8
11.35	10.60	11.00	8 B 110 E	E	A-3	2-3/8	1-5/8	10 B 110 E	E	A-2	3-1/8	1-5/8
12.75	12.00	12.40	8 B 124 E	E	A-3	2-3/8	1-5/8	10 B 124 E	E	A-3	3-1/8	1-5/8
13.95	13.20	13.60	8 B 136 E	E	A-3	2-3/8	1-5/8	10 B 136 F	F	A-3	2-1/16	2-1/2
15.75	15.00	15.40	8 B 154 E	E	A-3	2-3/8	1-5/8	10 B 154 F	F	A-3	2-1/16	2-1/2
16.35	15.60	16.00	8 B 160 E	E	A-3	2-3/8	1-5/8	10 B 160 F	F	A-3	2-1/16	2-1/2
18.75	18.00	18.40	8 B 184 F	F	A-3	1-5/16	2-1/2	10 B 184 F	F	A-3	2-1/16	2-1/2
20.35	19.60	20.00	8 B 200 F	F	A-3	1-5/16	2-1/2	10 B 200 F	F	A-3	2-1/16	2-1/2
25.35	24.60	25.00	8 B 250 F	F	A-3	1-5/16	2-1/2	10 B 250 F	F	A-3	2-1/16	2-1/2
30.35	29.60	30.00	8 B 300 F	F	A-3	1-5/16	2-1/2	10 B 300 F	F	A-3	2-1/16	2-1/2
38.35	37.60	38.00	8 B 380 F	F	A-3	1-5/16	2-1/2	10 B 380 J	J	A-3	1-9/16	3-3/16



C QD SHEAVES



7/8X17/32

C BELTS

QD SHEAVES
C

Table: 16

(in.)

OD	PD	1 GROOVE F=1-3/8					2 GROOVE F=2-3/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
6.40	6.00	1 C 60 SK	SK	C-1	1/8	1-1/4	2 C 60 SK	SK	A-1	7/8	1-1/4
7.40	7.00	1 C 70 SF	SF	C-1	1/8	1-1/4	2 C 70 SF	SF	A-1	13/16	1-1/4
7.90	7.50	1 C 75 SF	SF	C-1	1/8	1-1/4	2 C 75 SF	SF	A-1	13/16	1-1/4
8.40	8.00	1 C 80 SF	SF	C-2	1/8	1-1/4	2 C 80 SF	SF	A-2	13/16	1-1/4
8.90	8.50	1 C 85 SF	SF	C-2	1/8	1-1/4	2 C 85 SF	SF	A-2	13/16	1-1/4
9.40	9.00	1 C 90 SF	SF	C-2	1/8	1-1/4	2 C 90 SF	SF	A-2	13/16	1-1/4
9.90	9.50	1 C 95 SF	SF	C-3	1/8	1-1/4	2 C 95 SF	SF	A-3	13/16	1-1/4
10.40	10.00	1 C 100 SF	SF	C-3	1/8	1-1/4	2 C 100 SF	SF	A-3	13/16	1-1/4
10.90	10.50	1 C 105 SF	SF	C-3	1/8	1-1/4	2 C 105 SF	SF	A-3	13/16	1-1/4
11.40	11.00	1 C 110 SF	SF	C-3	1/8	1-1/4	2 C 110 SF	SF	A-3	13/16	1-1/4
12.40	12.00	1 C 120 SF	SF	C-3	1/8	1-1/4	2C 120 SF	SF	D-3	9/16	1-1/4
13.40	13.00	1 C 130 SF	SF	C-3	1/8	1-1/4	2 C 130 SF	SF	D-3	9/16	1-1/4
14.40	14.00	1 C 140 SF	SF	C-3	1/8	1-1/4	2 C 140 SF	SF	D-3	9/16	1-1/4
15.40	15.00	1 C 150 SF	SF	C-3	1/8	1-1/4	2 C 150 SF	SF	D-3	9/16	1-1/4
16.40	16.00	1 C 160 SF	SF	C-3	1/8	1-1/4	2 C 160 SF	SF	D-3	9/16	1-1/4
18.40	18.00	1 C 180 SF	SF	C-3	1/8	1-1/4	2 C 180 SF	SF	D-3	9/16	1-1/4
20.40	20.00	1 C 200 SF	SF	C-3	1/8	1-1/4	2 C 200 SF	SF	D-3	9/16	1-1/4
24.40	24.00	1 C 240 SF	SF	C-3	1/8	1-1/4	2 C 240 SF	SF	D-3	9/16	1-1/4
27.40	27.00						2 C 270 F	F	F-3	1/8	2-1/2
30.40	30.00						2 C 300 F	F	F-3	1/8	2-1/2
OD	PD	3 GROOVE F=3-3/8					4 GROOVE F=4-3/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
5.40	5.00	3 C50 SD	SD	A-1	1-1/4	1-1/4	4 C 50 SD	SD	A-1	1-1/4	1-1/4
5.80	5.40	3 C54 SD	SD	A-1	1-5/16	1-1/4	4 C 54 SD	SD	A-1	1-5/16	1-1/4
5.90	5.50	3 C55 SD	SD	A-1	1-5/16	1-1/4	4 C 55 SD	SD	A-1	1-5/16	1-1/4
6.00	5.60	3 C56 SD	SD	A-1	1-5/16	1-1/4	4 C 56 SD	SD	A-1	1-5/16	1-1/4
6.40	6.00	3 C60 SK	SK	A-1	7/8	1-1/4	4 C 60 SK	SK	A-1	7/8	1-1/4
7.40	7.00	3 C70 SF	SF	A-1	1-5/16	1-1/4	4 C 70 SF	SF	A-1	1-9/16	1-1/4
7.90	7.50	3 C75 SF	SF	A-1	1-5/16	1-1/4	4 C 75 SF	SF	A-1	1-9/16	1-1/4
8.40	8.00	3 C 80 E	E	B-1	1-3/4	1-5/8	4 C 80 E	E	A-1	2	1-5/8
8.90	8.50	3 C 85 E	E	B-1	1-3/4	1-5/8	4 C 85 E	E	A-1	2	1-5/8
9.40	9.00	3 C 90 E	E	B-1	1-3/4	1-5/8	4 C 90 E	E	A-1	2	1-5/8
9.90	9.50	3 C 95 E	E	B-1	1-3/4	1-5/8	4 C 95 E	E	A-1	2	1-5/8
10.40	10.00	3 C100 E	E	B-1	1-3/4	1-5/8	4 C 100 E	E	A-1	2	1-5/8
10.90	10.50	3 C105 E	E	B-2	1-3/4	1-5/8	4 C 105 E	E	A-2	2	1-5/8
11.40	11.00	3 C110 E	E	B-2	1-3/4	1-5/8	4 C 110 E	E	A-2	2	1-5/8
12.40	12.00	3 C120 E	E	B-3	1-3/4	1-5/8	4 C 120 E	E	A-3	2	1-5/8
13.40	13.00	3 C130 E	E	B-3	1-3/4	1-5/8	4 C 130 E	E	A-3	2	1-5/8
14.40	14.00	3 C140 E	E	B-3	1-3/4	1-5/8	4 C 140 E	E	A-3	2	1-5/8
15.40	15.00	3 C150 E	E	B-3	1-3/4	1-5/8	4 C 150 E	E	A-3	2	1-5/8
16.40	16.00	3 C160 E	E	B-3	1-3/4	1-5/8	4 C 160 E	E	A-3	2	1-5/8
18.40	18.00	3 C180 E	E	B-3	1-3/4	1-5/8	4 C 180 E	E	A-3	2	1-5/8
20.40	20.00	3 C200 E	E	A-3	1	1-5/8	4 C 200 E	E	A-3	1-1/2	1-5/8
24.40	24.00	3 C240 E	E	A-3	1	1-5/8	4 C 240 F	F	A-3	1-5/16	2-1/2
27.40	27.00	3 C 270 F	F	C-3	7/8	2-1/2	4 C 270 F	F	A-3	1-5/16	2-1/2
30.40	30.00	3 C 300 F	F	C-3	7/8	2-1/2	4 C 300 F	F	A-3	1-5/16	2-1/2
36.40	36.00	3 C 360 F	F	C-3	7/8	2-1/2	4 C 360 F	F	A-3	1-5/16	2-1/2
44.40	44.00	3 C 440 F	F	C-3	7/8	2-1/2	4 C 440 J	J	B-3	1-3/16	3-3/16
50.40	50.00	3 C 500 F	F	C-7	7/8	2-1/2	4 C 500 J	J	B-3	1-3/16	3-3/16

To be continued

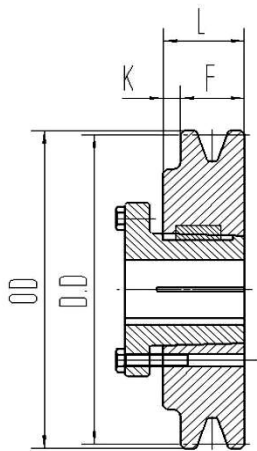
C QD SHEAVES

Table: 16

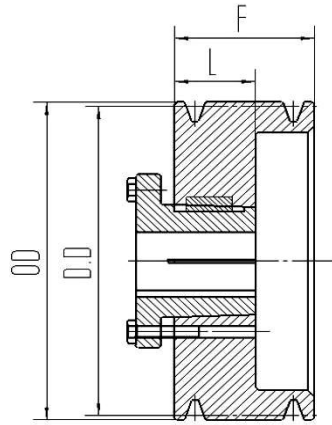
(in.)

OD	PD	5 GROOVE F=5-3/8					6 GROOVE F=6-3/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
6.40	6.00	5 C 60 SK	SK	A-1	7/8	1-1/4	6 C 60 SK	SK	A-1	7/8	1-1/4
7.40	7.00	5 C 70 SF	SF	A-1	1-15/16	1-1/4	6 C 70 SF	SF	A-1	1-15/16	1-1/4
7.90	7.50	5 C 75 SF	SF	A-1	1-15/16	1-1/4	6 C 75 SF	SF	A-1	1-15/16	1-1/4
8.40	8.00	5 C 80 E	E	A-1	2-3/8	1-5/8	6 C 80 E	E	A-1	2-3/8	1-5/8
8.90	8.50	5 C 85 E	E	A-1	2-3/8	1-5/8	6 C 85 E	E	A-1	2-3/8	1-5/8
9.40	9.00	5 C 90 E	E	A-1	2-3/8	1-5/8	6 C 90 F	F	A-1	1-7/16	2-1/2
9.90	9.50	5 C 95 E	E	A-1	2-3/8	1-5/8	6 C 95 F	F	A-1	1-7/16	2-1/2
10.40	10.00	5 C 100 E	E	A-1	2-3/8	1-5/8	6 C 100 F	F	A-1	1-7/16	2-1/2
10.90	10.50	5 C 105 E	E	A-2	2-3/8	1-5/8	6 C 105 F	F	A-1	1-7/16	2-1/2
11.40	11.00	5 C 110 E	E	A-2	2-3/8	1-5/8	6 C 110 F	F	A-1	1-7/16	2-1/2
12.40	12.00	5 C 120 E	E	A-3	2-3/8	1-5/8	6 C 120 F	F	A-2	1-7/16	2-1/2
13.40	13.00	5 C 130 E	E	A-3	2-3/8	1-5/8	6 C 130 F	F	A-3	1-7/16	2-1/2
14.40	14.00	5 C 140 E	E	A-3	2-3/8	1-5/8	6 C 140 F	F	A-3	1-7/16	2-1/2
15.40	15.00	5 C 150 E	E	A-3	2-3/8	1-5/8	6 C 150 F	F	A-3	1-7/16	2-1/2
16.40	16.00	5 C 160 E	E	A-3	2-3/8	1-5/8	6C 160 F	F	A-3	1-7/16	2-1/2
18.40	18.00	5 C 180 E	E	A-3	2-3/8	1-5/8	6 C 180 F	F	A-3	1-7/16	2-1/2
20.40	20.00	5 C 200 F	F	A-3	1-5/16	2-1/2	6 C 200 F	F	A-3	1-15/16	2-1/2
24.40	24.00	5 C 240 F	F	A-3	1-5/16	2-1/2	6 C 240 F	F	A-3	1-15/16	2-1/2
27.40	27.00	5 C 270 F	F	A-3	1-5/16	2-1/2	6 C 270 J	J	A-3	1-9/16	3-3/16
30.40	30.00	5 C 300 F	F	A-3	1-5/16	2-1/2	6C 300 J	J	A-3	1-9/16	3-3/16
36.40	36.00	5 C 360 J	J	A-3	1-9/16	3-3/16	6C360J	J	A-3	1-9/16	3-3/16
44.40	44.00	5 C 440 J	J	A-3	1-9/16	3-3/16	6C440J	J	A-3	1-9/16	3-3/16
50.40	50.00	5 C 500 J	J	A-3	1-9/16	3-3/16	6C500M	M	B-3	1-3/16	5-3/16
OD	PD	8 GROOVE F=8-3/8					10 GROOVE F=10-3/8				
		SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
7.40	7.00	8C70 SF	SF	A-1	3	1-1/4					
8.40	8.00	8 C 80 E	E	A-1	3-1/4	1-5/8	10 C 80 E	E	A-1	3-1/4	1-5/8
8.90	8.50	8 C 85 E	E	A-1	3-1/4	1-5/8	10C 85 E	E	A-1	3-1/4	1-5/8
9.40	9.00	8 C 90 F	F	A-1	3-5/16	2-1/2	10 C 90 J	J	A-1	3-9/16	3-3/16
9.90	9.50	8 C 95 F	F	A-1	3-5/16	2-1/2	10 C 95 J	J	A-1	3-9/16	3-3/16
10.40	10.00	8C 100 F	F	A-1	3-5/16	2-1/2	10 C 100 J	J	A-1	3-9/16	3-3/16
10.90	10.50	8C105 F	F	A-1	3-5/16	2-1/2	10 C 105 J	J	A-1	3-9/16	3-3/16
11.40	11.00	8C 110 F	F	A-1	3-5/16	2-1/2	10 C 110 J	J	A-1	3-9/16	3-3/16
12.40	12.00	8C 120 F	F	A-2	3-5/16	2-1/2	10 C 120 J	J	A-1	3-9/16	3-3/16
13.40	13.00	8C 130 F	F	A-3	3-5/16	2-1/2	10 C 130 J	J	A-1	3-9/16	3-3/16
14.40	14.00	8C 140 F	F	A-3	3-5/16	2-1/2	10 C 140 J	J	A-2	3-9/16	3-3/16
15.40	15.00	8C 150 F	F	A-3	3-5/16	2-1/2	10 C 150 J	J	A-2	3-9/16	3-3/16
16.40	16.00	8C 160 F	F	A-3	3-5/16	2-1/2	10 C 160 J	J	A-2	3-9/16	3-3/16
18.40	18.00	8C 180 F	F	A-3	3-5/16	2-1/2	10 C 180 J	J	A-3	3-9/16	3-3/16
20.40	20.00	8C 200 J	J	A-3	1-9/16	3-3/16	10 C 200 J	J	A-3	3-9/16	3-3/16
24.40	24.00	8C 240 J	J	A-3	1-9/16	3-3/16	10 C240 M	M	A-3	1-15/16	5-3/16
27.40	27.00	8C 270 J	J	A-3	1-9/16	3-3/16					
30.40	30.00	8C 300 J	J	A-3	1-9/16	3-3/16	10 C300 M	M	A-3	1-15/16	5-3/16
36.40	36.00	8C 360 M	M	A-3	1-15/16	5-3/16	10 C 360 M	M	A-3	1-15/16	5-3/16
44.40	44.00	8C 440 M	M	A-3	1-15/16	5-3/16	10C 440 M	M	A-3	1-15/16	5-3/16
50.40	50.00	8C 500 M	M	A-3	1-15/16	5-3/16	10 C 500 M	M	A-3	1-15/16	5-3/16

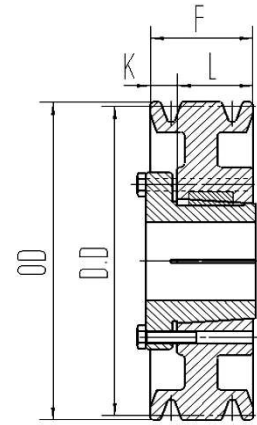
Gripbelt Sheaves with split Tape Bushings



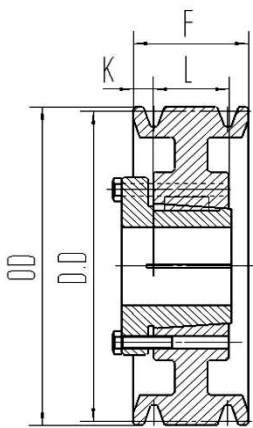
TYPE A



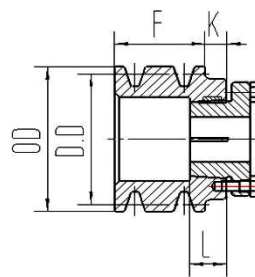
TYPE B



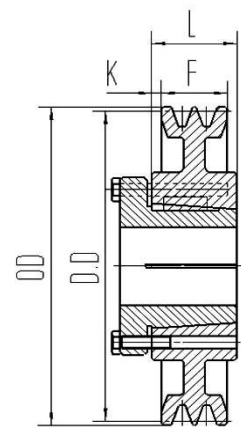
TYPE C



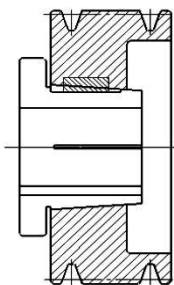
TYPE D



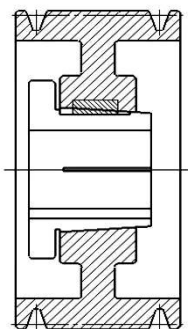
TYPE E



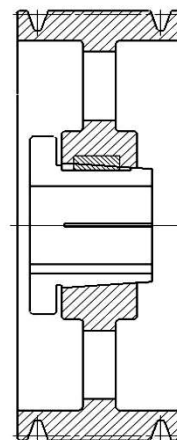
TYPE F



1 = SOLD



2 = WEB

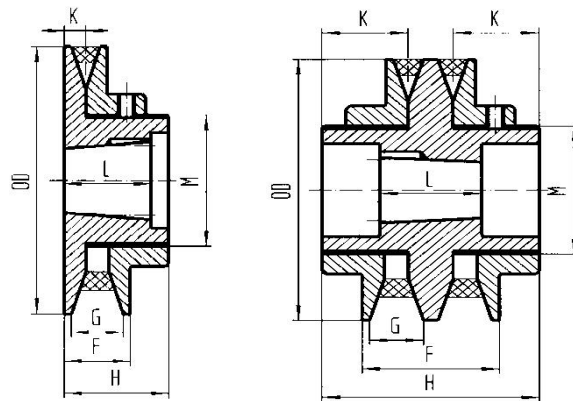


3 = ARM/SPOKE

OD	Datum ^u	Datum ^u	1 GROOVE F=1					2 GROOVE F=1-3/4				
	A ^u	B ^u	SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
3.75	3.00	3.40	1TB34-P1	P1	A-1	7/16	1-7/16	2TB34-P1	P1	E-1	7/16	1-5/16
3.95	3.20	3.60	1TB36-P1	P1	A-1	7/16	1-7/16	2TB36-P1	P1	E-1	7/16	1-5/16
4.15	3.40	3.80	1TB38-P1	P1	A-1	7/16	1-7/16	2TB38-P1	P1	B-1	0	1-5/16
4.35	3.60	4.00	1TB40-P1	P1	A-1	0	1	2TB40-P1	P1	B-1	0	1-5/16
4.55	3.80	4.20	1TB42-P1	P1	A-1	0	1	2TB42-P1	P1	B-1	0	1-5/16
4.75	4.00	4.40	1TB44-P1	P1	A-1	0	1	2TB44-P1	P1	C-1	7/16	1-5/16
4.95	4.20	4.60	1TB46-P1	P1	A-1	0	1	2TB46-P1	P1	C-1	7/16	1-5/16
5.15	4.40	4.80	1TB48-P1	P1	A-1	0	1	2TB48-P1	P1	C-1	7/16	1-5/16
5.35	4.60	5.00	1TB50-P1	P1	A-1	0	1	2TB50-P1	P1	C-1	7/16	1-5/16
5.55	4.80	5.20	1TB52-P1	P1	A-1	0	1	2TB52-P1	P1	C-1	7/16	1-5/16
5.75	5.00	5.40	1TB54-P1	P1	A-1	0	1	2TB54-P1	P1	C-1	7/16	1-5/16
5.95	5.20	5.60	1TB56-P1	P1	A-1	0	1	2TB56-P1	P1	C-1	7/16	1-5/16
6.15	5.40	5.80	1TB58-P1	P1	A-1	0	1	2TB58-P1	P1	C-1	7/16	1-5/16
6.35	5.60	6.00	1TB60-P1	P1	C-2	0	1	2TB60-P1	P1	C-1	7/16	1-5/16
6.55	5.80	6.20	1TB62-P1	P1	C-2	0	1	2TB62-P1	P1	C-2	7/16	1-5/16
6.75	6.00	6.40	1TB64-P1	P1	C-2	0	1	2TB64-P1	P1	C-2	7/16	1-5/16
6.95	6.20	6.60	1TB66-P1	P1	C-2	0	1	2TB66-P1	P1	C-2	7/16	1-5/16
7.15	6.40	6.80	1TB68-P1	P1	C-2	0	1	2TB68-P1	P1	C-2	7/16	1-5/16
7.35	6.60	7.00	1TB70-P1	P1	F-2	5/32	1-5/16	2TB70-Q1	Q1	C-2	0	1-3/4
7.75	7.00	7.40	1TB74-P1	P1	F-2	5/32	1-5/16	2TB74-Q1	Q1	C-2	0	1-3/4
8.35	7.60	8.00	1TB80-P1	P1	F-3	5/32	1-5/16	2TB80-Q1	Q1	C-2	0	1-3/4
8.95	8.20	8.60	1TB86-P1	P1	F-3	5/32	1-5/16	2TB86-Q1	Q1	C-2	0	1-3/4
9.35	8.60	9.00	1TB90-P1	P1	F-3	5/32	1-5/16	2TB90-Q1	Q1	C-3	0	1-3/4
9.75	9.00	9.40	1TB94-P1	P1	F-3	5/32	1-5/16	2TB94-Q1	Q1	C-3	0	1-3/4
11.35	10.60	11.00	1TB110-P1	P1	F-3	5/32	1-5/16	2TB110-Q1	Q1	C-3	0	1-3/4
12.75	12.00	12.40	1TB124-Q1	Q1	F-3	3/8	1-3/4	2TB124-Q1	Q1	C-3	0	1-3/4
13.95	13.20	13.60	1TB136-Q1	Q1	F-3	3/8	1-3/4	2TB136-Q1	Q1	C-3	0	1-3/4
15.75	15.00	15.40	1TB154-Q1	Q1	F-3	3/8	1-3/4	2TB154-Q1	Q1	C-3	0	1-3/4
16.35	15.60	16.00	1TB160-Q1	Q1	F-3	3/8	1-3/4	2TB160-Q1	Q1	C-3	0	1-3/4
18.75	18.00	18.40	1TB184-Q1	Q1	F-3	3/8	1-3/4	2TB184-Q1	Q1	C-3	0	1-3/4
20.35	19.50	20.00	1TB200-Q1	Q1	F-3	3/8	1-3/4	2TB200-Q1	Q1	C-3	0	1-3/4
25.35	24.50	25.00	1TB250-Q1	Q1	F-3	3/8	1-3/4	2TB250-Q1	Q1	C-3	0	1-3/4
30.35	29.50	30.00						2TB300-Q1	Q1	C-3	0	1-3/4

OD	Datum“ A”	Datum “B”	3 GROOVE F=2-1/2					4 GROOVE F=3-1/4				
			SIZE	BUSH	TYPE	K	L	SIZE	BUSH	TYPE	K	L
3.75	3.00	3.40	3TB34-P2	P2	E-1	7/16	2-5/16	4TB34-P2	P2	E-1	7/16	2-5/16
3.95	3.20	3.60	3TB36-P2	P2	E-1	7/16	2-5/16	4TB36-P2	P2	E-1	7/16	2-5/16
4.15	3.40	3.80	3TB38-P1	P1	B-1	0	1-5/16	4TB38-P1	P1	B-1	0	1-5/16
4.35	3.60	4.00	3TB40-P1	P1	B-1	0	1-5/16	4TB40-P1	P1	B-1	0	1-5/16
4.55	3.80	4.20	3TB42-P1	P1	B-1	0	1-5/16	4TB42-P1	P1	B-1	0	1-5/16
4.75	4.00	4.40	3TB44-P1	P1	D-1	5/8	1-5/16	4TB44-P1	P1	D-1	5/8	1-5/16
4.95	4.20	4.60	3TB46-P1	P1	D-1	5/8	1-5/16	4TB46-P1	P1	D-1	5/8	1-5/16
5.15	4.40	4.80	3TB48-P1	P1	D-1	5/8	1-5/16	4TB48-P1	P1	D-1	5/8	1-5/16
5.35	4.60	5.00	3TB50-P1	P1	D-1	5/8	1-5/16	4TB50-P1	P1	D-1	5/8	1-5/16
5.55	4.80	5.20	3TB52-P1	P1	D-1	5/8	1-5/16	4TB52-P1	P1	D-1	5/8	1-5/16
5.75	5.00	5.40	3TB54-P1	P1	D-1	5/8	1-5/16	4TB54-P1	P1	D-1	5/8	1-5/16
5.95	5.20	5.60	3TB56-P1	P1	D-1	5/8	1-5/16	4TB56-P1	P1	D-1	5/8	1-5/16
6.15	5.40	5.80	3TB58-P1	P1	D-1	5/8	1-5/16	4TB58-P1	P1	D-1	5/8	1-5/16
6.35	5.60	6.00	3TB60-P1	P1	D-2	5/8	1-5/16	4TB60-P1	P1	D-1	5/8	1-5/16
6.55	5.80	6.20	3TB62-P1	P1	D-2	5/8	1-5/16	4TB62-P1	P1	D-2	5/8	1-5/16
6.75	6.00	6.40	3TB64-P1	P1	D-2	5/8	1-5/16	4TB64-P1	P1	D-2	5/8	1-5/16
6.95	6.20	6.60	3TB66-P1	P1	D-2	5/8	1-5/16	4TB66-P1	P1	D-2	5/8	1-5/16
7.15	6.40	6.80	3TB68-P1	P1	D-2	5/8	1-5/16	4TB68-P1	P1	D-2	5/8	1-5/16
7.35	6.60	7.00	3TB70-Q1	Q1	D-1	3/8	1-3/4	4TB70-Q1	Q1	D-1	3/4	1-3/4
7.75	7.00	7.40	3TB74-Q1	Q1	D-2	3/8	1-3/4	4TB74-Q1	Q1	D-1	3/4	1-3/4
8.35	7.60	8.00	3TB80-Q1	Q1	D-2	3/8	1-3/4	4TB80-Q1	Q1	D-2	3/4	1-3/4
8.95	8.20	8.60	3TB86-Q1	Q1	D-2	3/8	1-3/4	4TB86-Q1	Q1	D-2	3/4	1-3/4
9.35	8.60	9.00	3TB90-Q1	Q1	D-3	3/8	1-3/4	4TB90-Q1	Q1	D-3	3/4	1-3/4
9.75	9.00	9.40	3TB94-Q1	Q1	D-3	3/8	1-3/4	4TB94-Q1	Q1	D-3	3/4	1-3/4
11.35	10.60	11.00	3TB110-Q1	Q1	D-3	3/8	1-3/4	4TB110-Q1	Q1	D-3	3/4	1-3/4
12.75	12.00	12.40	3TB124-Q1	Q1	D-3	3/8	1-3/4	4TB124-Q1	Q1	D-3	3/4	1-3/4
13.95	13.20	13.60	3TB136-Q1	Q1	D-3	3/8	1-3/4	4TB136-Q1	Q1	D-3	3/4	1-3/4
15.75	15.00	15.40	3TB154-Q1	Q1	D-3	3/8	1-3/4	4TB154-Q1	Q1	D-3	3/4	1-3/4
16.35	15.60	16.00	3TB160-Q1	Q1	D-3	3/8	1-3/4	4TB160-Q1	Q1	D-3	3/4	1-3/4
18.75	18.00	18.40	3TB184-Q1	Q1	D-3	3/8	1-3/4	4TB184-Q1	Q1	D-3	3/4	1-3/4
20.35	19.50	20.00	3TB200-Q1	Q1	D-3	3/8	1-3/4	4TB200-Q1	Q1	D-3	3/4	1-3/4
25.35	24.50	25.00	3TB250-Q1	Q1	D-3	3/8	1-3/4	4TB250-Q1	Q1	D-3	3/4	1-3/4
30.35	29.50	30.00	3TB300-Q1	Q1	D-3	3/8	1-3/4	4TB300-Q1	Q1	D-3	3/4	1-3/4
38.35	37.50	38.00	3TB380-Q1	Q1	D-3	3/8	1-3/4	4TB380-Q1	Q1	D-3	3/4	1-3/4

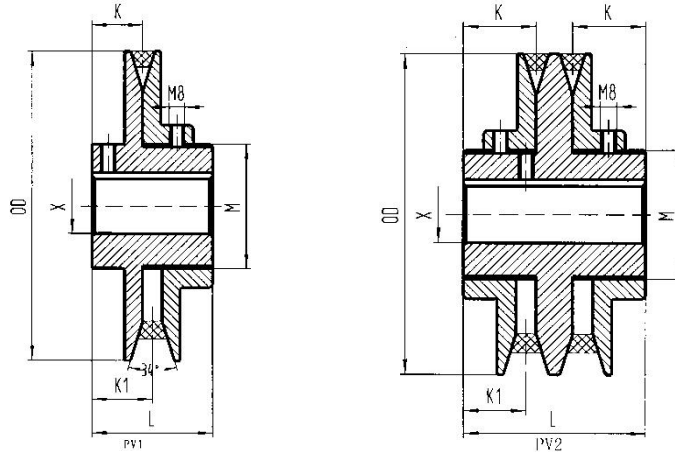
ADJUSTABLE TB SHEAVES



(mm)

SIZE	BUSH No.	Groove Type	PD		OD	G		K	H	L	PD variable
			max	min		max	min				
VAR 84 Z1	1108	SPZ	80	66.9	84	14.2	9.7	7	28	22	1.089
VAR 95 Z1	1108	SPZ	91	77.9	95	14.2	9.7	7	30	22	1.089
VAR 100 Z1	1108	SPZ	96	82.9	100	14.2	9.7	7	30	22	1.089
VAR 108 Z1	1210	SPZ	104	90.9	108	14.2	9.7	7	35	22	1.089
VAR 108 A1	1210	SPA	102.4	84	108	18.3	12.7	9.3	35	25	1.227
VAR 108 A2	1215	SPA	102.4	84	108	18.3	12.7	25	65	38	1.227
VAR 120 A1	1210	SPA	114.4	96	120	18.3	12.7	9.3	35	25	1.227
VAR 120 A2	1215	SPA	114.4	96	120	18.3	12.7	25	65	38	1.227
VAR 129 A1	1210	SPA	123.4	105	129	18.3	12.7	9.3	35	25	1.089
VAR 129 A2	1215	SPA	123.4	105	129	18.3	12.7	25	65	38	1.089
VAR 138 A1	1610	SPA	132.4	114	138	18.3	12.7	9.3	35	25	1.089
VAR 138 A2	1615	SPA	132.4	114	138	18.3	12.7	27.5	70	38	1.089
VAR 139 A1	1610	SPA	133.4	115	139	18.3	12.7	9.3	35	25	1.089
VAR 139 A2	1615	SPA	133.4	115	139	18.3	12.7	27.5	70	38	1.089
VAR 146 A1	1610	SPA	140.4	122	146	18.3	12.7	9.3	35	25	1.089
VAR 146 A2	1615	SPA	140.4	122	146	18.3	12.7	27.5	70	38	1.089
VAR 156 A1	1610	SPA	150.4	132	156	18.3	12.7	9.3	35	25	1.089
VAR 156 A2	1615	SPA	150.4	132	156	18.3	12.7	27.5	70	38	1.089
VAR 160 A1	1610	SPA	154.4	136	160	18.3	12.7	9.3	35	25	1.089
VAR 160 A2	1615	SPA	154.4	136	160	18.3	12.7	27.5	70	38	1.089
VAR 164 A1	1610	SPA	158.4	140	164	18.3	12.7	9.3	35	25	1.089
VAR 164 A2	1615	SPA	158.4	140	164	18.3	12.7	27.5	70	38	1.089
VAR 177 A1	2012	SPA	171.4	152.5	177	19.2	12.7	9.3	40	32	1.452
VAR 177 A2	2012	SPA	171.4	152.5	177	19.2	12.7	37.5	90	32	1.452
VAR 187 A2	2012	SPA	181.4	162.5	187	19.2	12.7	37.5	90	32	1.452
VAR 187 A1	2012	SPA	181.4	162.5	187	19.2	12.7	9.3	40	32	1.452
VAR 178 B1	2012	SPB	171	146.5	178	23.8	16.3	9.3	40	32	1.635
VAR 178 B2	2012	SPB	171	146.5	178	23.8	16.3	35.5	90	32	1.635
VAR 187 B1	2012	SPB	180	155.5	187	23.8	16.3	9.3	40	32	1.635
VAR 187 B2	2012	SPB	180	155.5	187	23.8	16.3	35.5	90	32	1.635

ADJUSTABLE PILOT BORE SHEAVES



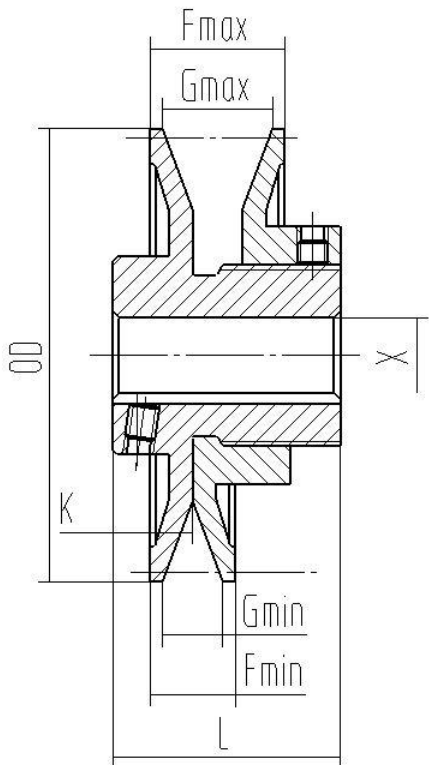
SIZE	L	AV. Weight (Kg)	Adjustable range		Groove Type	P. D.		Power (kw)				O. D.	Bore max
			K	K1		min	max	Speed 1450 rev/min		Speed 2900 rev/min			
PV1 PV2	PV1 PV2	PV1 PV2	PV1 PV2	PV1 PV2				min	max	min	max		
PV1 93 PV2 93	49	1.25	21	25	Z A SPZ SPA	54 55 60 61	78 85 78 87	0.23 0.33 0.67	0.40 1.20 1.45	0.42 0.75 1.05	0.71 2.20 2.50	93	24
PV1 108 PV2 108	49 72	1.53 2.22	21 29	25 25	Z A SPZ SPA	68 70 75 76	92 100 93 102	0.33 0.74 1.30 0.95	0.49 1.60 2.10 2.80	0.59 1.45 2.20 1.25	0.85 2.90 3.60 4.70	108	28
PV1 120 PV2 120	49 72	1.78 2.81	21 29	25 25	Z A SPZ SPA	80 82 87 88	104 112 105 114	0.42 1.10 1.80 1.85	0.57 1.90 2.60 3.70	0.74 2.00 3.10 2.90	0.99 3.50 4.50 6.20	120	28
PV1 138 PV2 138	62 78	2.66 4.38	21 31	25 27	Z A B SPZ SPA SPB	98 100 104 105 106 109	122 130 128 123 132 131	0.53 1.60 1.80 2.60 3.10	0.68 2.30 3.10 3.30 5.00	0.92 2.90 3.10 4.50 5.20	1.15 4.30 5.20 5.70 8.30	138	42
PV1 160 PV2 160	68 90	3.75 6.68	23 36	27 31	Z A B SPZ SPA SPB	106 108 112 113 114 117	130 138 150 131 140 153	0.58 1.85 2.20 2.90 3.70 3.00	0.72 2.50 4.20 3.60 5.50 6.90	1.00 3.30 3.90 5.00 6.20 4.00	1.25 4.60 6.80 6.30 9.30 10.50	160	42
PV2 180	90	7.98	36	31	A B SPA SPB	128 132 135 139	158 170 159 173	2.30 3.20 5.10 5.40	3.10 5.20 6.80 9.00	4.20 5.50 8.60 8.00	5.30 8.10 11.50 14.40	180	42

ADJUSTABLE PILOT BORE SHEAVES

SIZE	DIMENSIONS						AVAILABLE BORES MARKED "X"				
	OD	F		G		L	K	1/2	5/8	3/4	7/8
		Max	Min	Max	Min						
1VL25	2.50	25/32	17/32	5/8	3/8	1-41/64	0.697	×	×	-	-
1VL30	2.87	25/32	17/32	5/8	3/8	1-41/64	0.697	×	×	-	-
1VL34	3.15	1	5/8	7/8	1/2	1-15/16	0.744	×	×	×	-
1VL40	3.75	1	5/8	7/8	1/2	1-15/16	0.744	×	×	×	×
1VL44	4.15	1	5/8	7/8	1/2	1-15/16	0.744	×	×	×	×
1VM50	4.75	1-1/16	11/16	7/8	1/2	2	0.776	×	×	×	×

(in.)

Bore Range	Keyseat
1/2 5/8 to 7/8	None 3/16×3/32

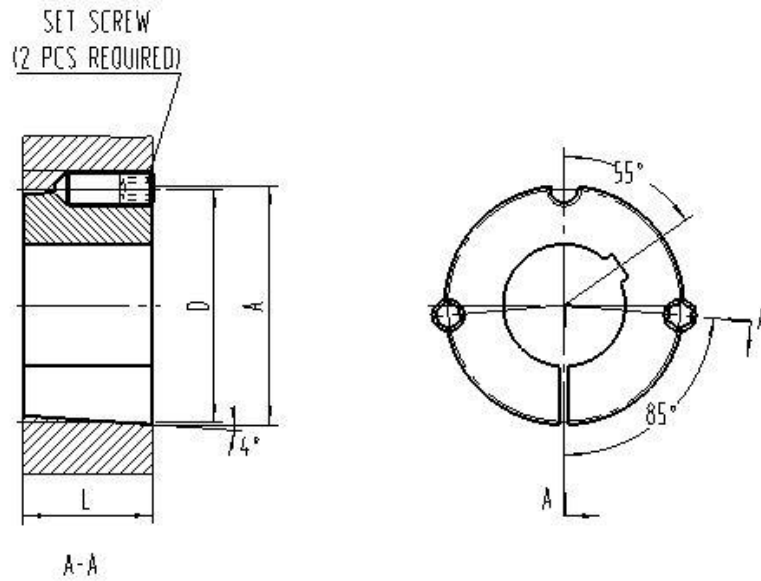


TYPE



DIMENSION OF TAPER-LOCK BUSHING

1008—3030



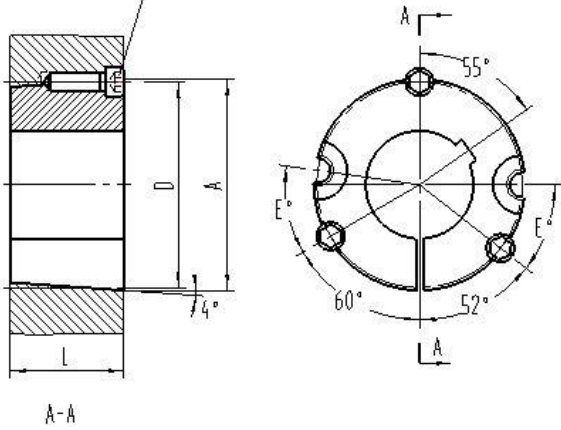
(in.)

BUSH NO.	L	A	D	Set Screws Dia × Length (BSW)
1008	0.875	1.386	1.328	1/4 × 1/2
1108	0.875	1.511	1.4535	1/4 × 1/2
1210	1.0	1.875	1.750	3/8 × 5/8
1215	1.5			
1310	1.0	2.000	1.875	3/8 × 5/8
1610	1.0	2.250	2.125	3/8 × 5/8
1615	1.5			
2012	1.25	2.750	2.625	7/16 × 7/8
2017	1.75			
2517	1.75	3.375	3.250	1/2 × 1
2525	2.5			
3020	2.0	4.250	4.000	5/8 × 1-1/4
3030	3.0			

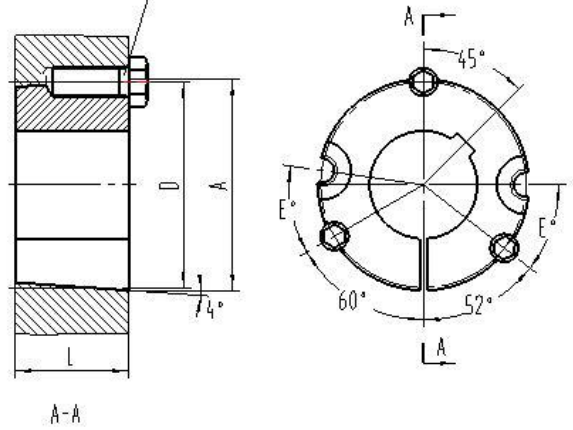
3525—5050

6050

SOCKET HEAD
CAP SCREWS
(3 PCS REQUIRED)



SOCKET HEAD
CAP SCREWS
(3 PCS REQUIRED)



(in.)

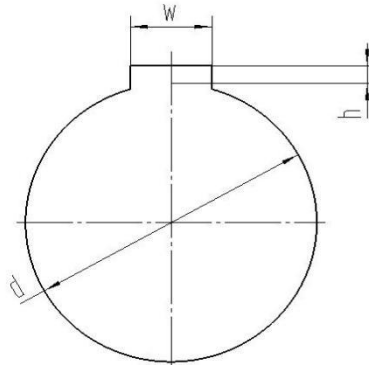
Bush No.	L	A	D	Set Screws Dia × Length (BSW)	E°
3525	2.5	5.000	4.830	1/2 × 1-1/2	40°
3535	3.5				
4030	3.0	5.750	5.540	5/8 × 1-3/4	40°
4040	4.0				
4535	3.5	6.375	6.130	3/4 × 2	40°
4545	4.5				
5040	4.0	7.00	6.720	7/8 × 2-1/4	37°
5050	5.0				
6050	5.0	9.250	9.000	1-1/4 × 3-1/2	38°

BORE SIZES FOR TAPER BUSHINGS AND THE RELEVANT KEYWAY DIMENSIONS (in.)

SPEC	BORE SIZE	REMARK
1008	1/2~7/8	STANDARD KEYWAY
	15/16、1	SHALLOW KEYWAY
1108	1/2~1	STANDARD KEYWAY
	1-1/16、1-1/8	SHALLOW KEYWAY
1210 1215	1/2~1-1/4	STANDARD KEYWAY
1310	1/2~1-3/8	STANDARD KEYWAY
1610	1/2~1-1/2	
1615	1-9/16、1-5/8	
2012 2017	1/2~2	STANDARD KEYWAY
2517 2525	1/2~2-1/2	STANDARD KEYWAY
3020 3030	13/16~3	STANDARD KEYWAY
3525	1-3/16~3-1/4	STANDARD KEYWAY
3535	3-5/16、3-3/8、3-7/16、 3-1/2	SHALLOW KEYWAY
4030	1-7/16~3-3/4	STANDARD KEYWAY
4040	3-7/8、3-15/16、4	SHALLOW KEYWAY
4535	1-15/16~4-1/4	STANDARD KEYWAY
4545	4-3/8、4-7/16、4-1/2	SHALLOW KEYWAY
5040 5050	2-7/16~5	STANDARD KEYWAY

KEYWAY STANDARD: BS46:Part 1: 1958

BORE SIZE d	STANDARD KEYWAY DIMENSION			
	WIDTH w	TOLERA NCE	DEPTH h	TOLER ANCE
1/4 < d ≤ 1/2	0.125	+0.002 0	0.06	+ 0.01 0
1/2 < d ≤ 3/4	0.1875		0.088	
3/4 < d ≤ 1	0.25		0.115	
1 < d ≤ 1-1/4	0.3126		0.112	
1-1/4 < d ≤ 1-1/2	0.375		0.108	
1-1/2 < d ≤ 1-3/4	0.4375		0.135	
1-3/4 < d ≤ 2	0.5	+0.003 0	0.131	
2 < d ≤ 2-1/2	0.625		0.185	
2-1/2 < d ≤ 3	0.75		0.209	
3 < d ≤ 3-1/2	0.875		0.264	
3-1/2 < d ≤ 4	1.0		0.318	
4 < d ≤ 5	1.25		0.366	



SPEC	BORE SIZE	SHALLOW KEYWAY DIMENSION			
		WIDTH w	TOLERANCE	DEPTH h	TOLERANCE
1008	15/16、1	0.25	+0.002 0	0.05	+0.01 0
1108	1-1/16、1-1/8	0.3126		0.05	
1610 1615	1-9/16、1-5/8	0.4375		0.103	
3525 3535	3-5/16、3-3/8 3-7/16、3-1/2	0.875	+0.003 0	0.20	
4030 4040	3-7/8、3-15/16、4	1.0		0.192	
4535 4545	4-3/8、4-7/16、4-1/2	1.25		0.18	

BORE SIZES FOR TAPER BUSHINGS AND THE RELEVANT KEYWAY DIMENSIONS (mm)

BUSH NO.	BORE	BUSHING KEYWAY	BUSH NO.	BORE	BUSHING KEYWAY
1008	9, 10	3×1.4	3020 3030	24, 25, 28, 30	8×3.3
	11, 12	4×1.8		32, 33, 35, 36, 38	10×3.3
	14, 15, 16	5×2.3		40, 42	12×3.3
	18, 19, 20, 22	6×2.8		45, 48, 50	14×3.8
	24, 25	8×2.3		52, 54, 55	16×4.3
1108	9, 10	3×1.4		60, 65	18×4.4
	11, 12	4×1.8		70, 75	20×4.9
	14, 15, 16, 17	5×2.3	3525 3535	30	8×3.3
	18, 19, 20, 22	6×2.8		32, 33, 35, 38	10×3.3
	24, 25	8×3.3		40, 42	12×3.3
28	8×2.3	45, 48, 50		14×3.8	
1210	10	55		16×4.3	
1210 1215	11, 12	4×1.8	4030 4040	59, 60, 62, 65	18×4.4
	14, 15, 16	5×2.3		70, 75	20×4.9
	18, 19, 20, 22	6×2.8		80, 85	22×5.4
	24, 25, 26, 28, 30	8×3.3		90	25×5.4
	32	10×3.3		95	25×3.8
1310	11, 12	4×1.8	4535 4545	40, 42	12×3.3
	14, 16	5×2.3		45, 48, 50	14×3.8
	18, 19, 20, 22	6×2.8		55	16×4.3
	24, 25, 28, 30	8×3.3		60, 65	18×4.4
	32, 35	10×3.3		70, 75	20×4.9
1610	10	3×1.4	5040 5050	80, 85	22×5.4
	11, 12	4×1.8		88, 90, 95	25×5.4
	42	12×3.3		100, 105, 110	28×6.4
1615	42	12×2.8		42	12×3.3
1610 1615	14, 15, 16, 17	5×2.3		6050	45, 48, 50
	18, 19, 20, 22	6×2.8	55		16×4.3
	23, 24, 25, 28, 30	8×3.3	60, 65		18×4.4
	32, 34, 35, 38	10×3.3	70, 75		20×4.9
	40	12×3.3	80, 85		22×5.4
2012	10	3×1.4	88, 90, 95	25×5.4	
	12	4×1.8	100, 105, 110	28×6.4	
	14, 15, 16, 17	5×2.3	115	32×7.4	
2012 2017	18, 19, 20, 22	6×2.8	5040 5050	48, 50	14×3.8
	23, 24, 25, 28, 30	8×3.3		55	16×4.3
	32, 34, 35, 38	10×3.3		60, 65	18×4.4
	39, 40, 42, 44	12×3.3		70, 75	20×4.9
	45, 48, 50	14×3.8		80, 85	22×5.4
2517	16	5×2.3	90, 95	25×5.4	
	18, 19, 20, 22	6×2.8	98, 100, 105, 110	28×6.4	
	32, 33, 35, 36, 38	10×3.3	115, 120, 125	32×7.4	
	40, 42, 44	12×3.3	90	25×5.4	
	45, 47, 48, 50	14×3.8	100, 110	28×6.4	
	52, 54, 55	16×4.3	115, 120, 125, 130	32×7.4	
	60, 65	18×4.4	135, 140, 150	36×8.4	

KEYWAY STANDARD: GB/T 1095-2003 and GB/T 1566-2003

The connecting of the taper can pass the torque:

Torque capacity parameters for general type in the following table:

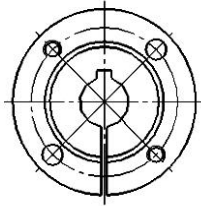
Bush No.	Torque Capacity		Bush.No	Torque Capacity	
	lbf.in	N.m		lbf.in	N.m
1008	1,200	136	3020	24,000	2,710
1108	1,300	147	3030		
1210	3,600	407	3525	44,800	5,060
1215			3535		
1310	3,850	435	4030	77,300	8,740
1315			4040		
1610	4,300	486	4535	110,000	12,400
1615			4545		
2012	7,150	808	5040	126,000	14,200
2017			5050		
2517	11,600	1310	6050	282,000	31,900
2525					

$$1\text{bf.in}=0.113\text{N.m}$$

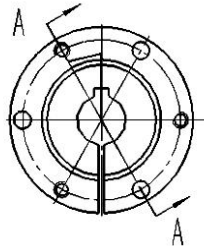
SCREW TIGHTENING TORQUES:

BUSH NO.	SCREW TIGHTNING TORQUES(Nm)	SCREW		BUSH NO.	SCREW TIGHTNING TORQUES(Nm)	SCREW	
		QUANTITY	SIZE			QUANTITY	SIZE
1008	5.6	2	1/4"	3020	90	2	5/8"
1108			BSW	3030			BSW
1210	20	2	3/8"	3525	112	3	1/2"
1215			BSW	3535			BSW
1310	20	2	3/8"	4030	170	3	5/8"
1315			BSW	4040			BSW
1610	20	2	3/8"	4535	192	3	3/4"
1615			BSW	4545			BSW
2012	31	2	7/16"	5040	271	3	7/8"
2017			BSW	5050			BSW
2517	48	2	1/2"	6050	884	3	1-1/4"
2525			BSW				BSW

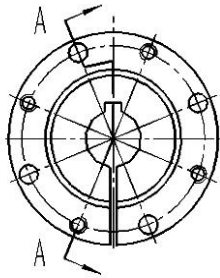
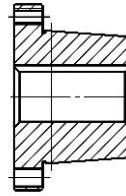
DIMENSION OF QD BUSHING



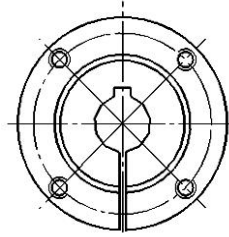
H Bushing



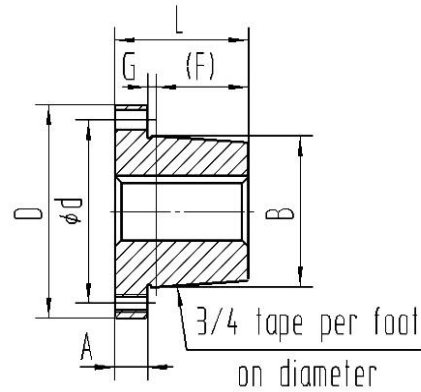
JA to J Bushing



M & N Bushing



P & W Bushing



BUSHING	DIMENSION (INCHES)							Φ d BOLT REQUIRED	CAP SCREWS REQUIRED (UNC)
	A	B	D	(F)	G	L			
H	0.250	1.625	2.500	0.875	0.157	1.250	2.000	2~1/4X3/4	
JA	0.311	1.375	2.000	0.563	0.157	1.000	1.65625	3~0.190X1	
SH	0.441	1.871	2.688	0.811	0.157	1.311	2.250	3~1/4X1-3/8	
SDS	0.441	2.187	3.188	0.750	0.157	1.311	2.6875	3~1/4X1-3/8	
SD	0.441	2.187	3.188	1.250	0.157	1.811	2.6875	3~1/4X1-7/8	
SK	0.563	2.812	3.875	1.250	0.157	1.938	3.3125	3~5/16X2	
SF	0.618	3.125	4.625	1.250	0.197	2.059	3.875	3~3/8X2	
E	0.882	3.834	6.000	1.625	0.256	2.752	5.000	3~1/2X2-3/4	
F	1.000	4.437	6.625	2.500	0.295	3.748	5.625	3~9/16X3-5/8	
J	1.126	5.148	7.250	3.188	0.295	4.626	6.250	3~5/8X4-1/2	
M	1.250	6.500	9.000	5.188	0.295	6.750	7.875	4~3/4X6-3/4	
N	1.500	7.000	10.000	6.250	0.563	8.125	8.500	4~7/8X8-1/2	
P	1.750	8.250	11.750	7.250	0.626	9.375	10.000	4~1X9-1/2	
W	2.000	10.437	15.000	9.000	0.626	11.375	12.750	4~1-1/8X11-5/8	

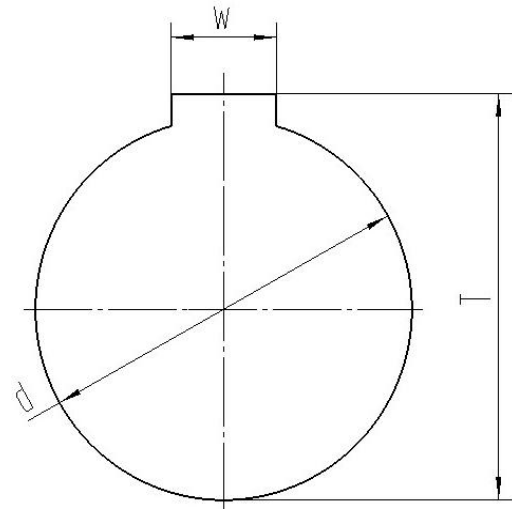
NOTE: H--MATERIAL:STEEL 45; JA~W-- MATERIAL:QT450-10.

INCH BORE SIZES FOR QD BUSHINGS AND THE RELEVANT KEYWAY DIMENSIONS

SPEC	BORE SIZE	REMARK	SPEC	BORE SIZE	REMARK
H	3/8~1-1/4	STANDARD KEYWAY	E	7/8~2-3/4	STANDARD KEYWAY
	1-5/16~1-1/2	SHALLOW KEYWAY		2-13/16~3-1/2	SHALLOW KEYWAY
JA	1/2~1	STANDARD KEYWAY	F	1~3-1/4	STANDARD KEYWAY
	1-1/16~1-3/16	SHALLOW KEYWAY		3-5/16~3-15/16	SHALLOW KEYWAY
SH	1/2~1-3/8	STANDARD KEYWAY		4	NO K. W.
	1-7/16~1-5/8	SHALLOW KEYWAY	J	1-1/4~3-3/4	STANDARD KEYWAY
	1-11/16	NO K. W.		3-13/16~4-1/2	SHALLOW KEYWAY
SDS SD	1/2~1-11/16	STANDARD KEYWAY	M	1-15/16~4-3/4	STANDARD KEYWAY
	1-3/4~1-15/16	SHALLOW KEYWAY		4-13/16~5-1/2	SHALLOW KEYWAY
	2	NO K. W.	N	2-7/16~5	STANDARD KEYWAY
SK	1/2~2-1/8	STANDARD KEYWAY		5-1/16~5-7/8	SHALLOW KEYWAY
	2-3/16~2-1/2	SHALLOW KEYWAY	P	2-15/16~5-15/16	STANDARD KEYWAY
	2-9/16、2-5/8	NO K. W.		6~7	SHALLOW KEYWAY
SF	1/2~2-1/4	STANDARD KEYWAY	W	4~7-1/2	STANDARD KEYWAY
	2-5/16~2-7/8	SHALLOW KEYWAY		7-3/4~8-1/2	SHALLOW KEYWAY
	2-15/16	NO K. W.			

STANDARD KEYWAY DIMENSION (ANSI B17.1-1967(R1998))

d	WIDTH w
$5/16 < d \leq 7/16$	3/32
$7/16 < d \leq 9/16$	1/8
$9/16 < d \leq 7/8$	3/16
$7/8 < d \leq 1-1/4$	1/4
$1-1/4 < d \leq 1-3/8$	5/16
$1-3/8 < d \leq 1-3/4$	3/8
$1-3/4 < d \leq 2-1/4$	1/2
$2-1/4 < d \leq 2-3/4$	5/8
$2-3/4 < d \leq 3-1/4$	3/4
$3-1/4 < d \leq 3-3/4$	7/8
$3-3/4 < d \leq 4-1/2$	1
$4-1/2 < d \leq 5-1/2$	1-1/4
$5-1/2 < d \leq 6-1/2$	1-1/2
$6-1/2 < d \leq 7-1/2$	1-3/4
$7-1/2 < d \leq 9$	2



d	DEPTH T
3/8	0.421
1/2	0.56
9/16	0.623
5/8	0.709
11/16	0.773
3/4	0.837
13/16	0.9
7/8	0.964
15/16	1.051
1	1.114
1-1/16	1.178
1-1/8	1.241
1-3/16	1.304
1-1/4	1.367
1-5/16	1.455
1-3/8	1.518
1-7/16	1.605
1-1/2	1.669
1-9/16	1.732
1-5/8	1.796
1-11/16	1.859
1-3/4	1.922

d	DEPTH T
1-13/16	2.032
1-7/8	2.096
1-15/16	2.16
2	2.223
2-1/16	2.287
2-1/8	2.35
2-3/16	2.414
2-1/4	2.477
2-5/16	2.587
2-3/8	2.651
2-7/16	2.714
2-1/2	2.778
2-9/16	2.841
2-5/8	2.905
2-11/16	2.968
2-3/4	3.032
2-13/16	3.142
2-7/8	3.205
2-15/16	3.269
3	3.332
3-1/16	3.396
3-1/8	3.459

d	DEPTH T
3-3/16	3.523
3-1/4	3.586
3-5/16	3.696
3-3/8	3.76
3-7/16	3.823
3-1/2	3.887
3-9/16	3.95
3-5/8	4.014
3-11/16	4.077
3-3/4	4.141
3-13/16	4.251
3-7/8	4.314
3-15/16	4.378
4	4.441
4-1/8	4.567
4-3/16	4.632
4-1/4	4.695
4-3/8	4.822
4-7/16	4.885
4-1/2	4.949
4-5/8	5.169
4-3/4	5.296

d	DEPTH T
4-7/8	5.424
4-15/16	5.487
5	5.551
5-1/8	5.689
5-3/16	5.741
5-1/4	5.805
5-3/8	5.933
5-7/16	5.995
5-1/2	6.058
5-3/4	6.405
5-7/8	6.531
5-15/16	6.596
6	6.66
6-1/4	6.914
6-1/2	7.167
6-3/4	7.515
7	7.769
7-1/4	8.023
7-1/2	8.276
7-3/4	8.624
8	8.878
9	9.892

SHALLOW KEYWAY DIMENSION

SPEC	BORE SIZE	SHALLOW KEYWAY DIMENSION		
		WIDTH (w)	DEPTH (T)	
JA	1-1/16	1/4	1.115	
	1-1/8		1.179	
	1-3/16		1.242	
H	1-5/16	5/16	1.361	
	1-3/8		1.425	
	1-7/16	3/8	1.480	
1-1/2	1.544			
SH	1-7/16	3/8	1.480	
	1-1/2		1.544	
	1-9/16		1.607	
	1-5/8		1.670	
SDS SD	1-3/4	3/8	1.858	
	1-13/16		1/2	1.909
	1-7/8			1.909
SK	1-15/16	5/8	1.972	
	2-3/16		1/2	2.288
	2-1/4			2.352
	2-5/16		5/8	2.337
	2-3/8			2.401
	2-7/16			2.464
2-1/2	2.528			
SF	2-5/16	5/8	2.462	
	2-3/8		2.526	
	2-7/16		2.589	
	2-1/2		2.653	
	2-9/16		2.592	
	2-5/8		2.655	
	2-11/16		2.718	
	2-3/4		3/4	2.782
	2-13/16			2.830
	2-7/8			2.893
E	2-13/16	3/4	2.892	
	2-7/8		2.955	
	2-15/16		3.019	
	3		3.083	
	3-1/16		3.146	
E	3-1/8	3/4	3.209	
	3-3/16		3.273	
	3-1/4		3.336	
	3-5/16	7/8	3.321	
	3-3/8		3.385	
	3-7/16		3.448	
	3-1/2		3.512	
F	3-5/16	7/8	3.446	
	3-3/8		3.510	
	3-7/16		3.573	
	3-1/2		3.637	
	3-9/16		3.700	
	3-5/8		3.764	

SPEC	BORE SIZE	SHALLOW KEYWAY DIMENSION	
		WIDTH (w)	DEPTH (T)
F	3-11/16	7/8	3.827
	3-3/4		3.891
	3-13/16	1	3.876
	3-7/8		3.939
	3-15/16		4.003
J	3-13/16	1	4.126
	3-7/8		4.189
	3-15/16		4.252
	4		4.067
	4-1/8		4.193
	4-3/16		4.256
	4-1/4		4.319
	4-3/8		4.449
	4-7/16		4.512
	4-1/2		4.575
M	4-13/16	1-1/4	4.985
	4-7/8		5.049
	4-15/16		5.112
	5		5.176
	5-1/16		5.239
	5-1/8		5.303
	5-3/16		5.366
	5-1/4		5.430
	5-5/16		5.493
	5-3/8		5.556
N	5-7/16	1-1/4	5.620
	5-1/2		5.683
	5-1/16		5.240
	5-1/8		5.303
	5-3/16		5.366
	5-1/4		5.429
	5-5/16		5.492
	5-3/8		5.555
	5-7/16		5.618
	5-1/2		5.685
5-9/16	5.716		
P	5-3/4	1-1/2	5.906
	5-7/8		6.031
	6	1-1/2	6.161
	6-1/16		6.224
	6-1/4		6.413
	6-7/16		6.602
	6-1/2		6.669
6-9/16	1-3/4	6.575	
6-3/4		6.764	
W	7	2	7.019
	7-3/4		7.874
	8		8.130
	8-1/2		8.638

**METRIC BORE SIZES FOR QD BUSHINGS AND THE RELEVANT
KEYWAY DIMENSIONS(mm)**

BUSH NO.	BORE (d)	BUSHING KEYWAY	BUSH NO.	BORE (d)	BUSHING KEYWAY
H	10, 11, 12	NO K. W.	F	32, 35, 38, 40, 42, 45, 47, 48, 50, 54, 55, 60, 65, 70, 72, 75, 80, 85, 88, 90	STANDARD KEYWAY
	14, 15, 16, 17, 18, 19, 20, 22, 24, 25, 28, 30, 32, 35	STANDARD KEYWAY			
JA	10, 11, 12	NO K. W.	J	50, 55, 60, 65, 70, 72, 75, 80, 84, 85, 88, 90, 95, 100	STANDARD KEYWAY
	14, 15, 16, 18, 19, 20, 22, 24, 25, 28	STANDARD KEYWAY			
SH	14, 15, 19, 20, 22, 24, 25, 28, 30, 32, 35	STANDARD KEYWAY	M	50, 55, 60, 65, 70, 72, 75, 80, 84, 85, 88, 90, 95, 100, 105, 110, 115, 120, 125, 130	STANDARD KEYWAY
	38	10×2.8			
SDS SD	14, 15, 19, 20, 24, 25, 28, 30, 32, 35, 38, 40, 42	STANDARD KEYWAY	N	75, 80, 90, 95, 100, 102, 105, 110, 115, 120, 125, 130, 135, 140	STANDARD KEYWAY
SK	14, 19, 20, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 47, 48, 50, 55	STANDARD KEYWAY			
		60	18×0.6	145	36×4.9
SF	24, 28, 30, 32, 35, 38, 40, 42, 45, 47, 48, 50, 55, 60, 65	STANDARD KEYWAY	P	75, 80, 90, 95, 100, 110, 115, 120, 130, 140, 148, 150, 160	STANDARD KEYWAY
E	32, 35, 38, 40, 42, 45, 47, 48, 50, 54, 55, 60, 65, 70, 75	STANDARD KEYWAY	W	125, 130, 140, 145, 150, 160, 165, 170, 180, 200, 210,	STANDARD KEYWAY

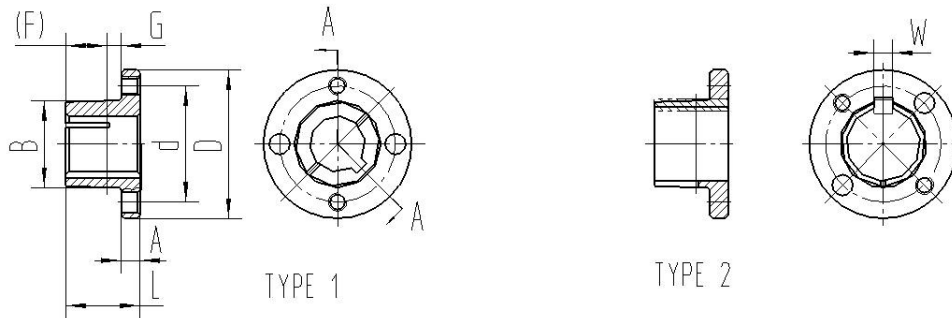
KEYWAY STANDARD: GB/T 1095-2003

Torque capacity and relateds crew tightening torque

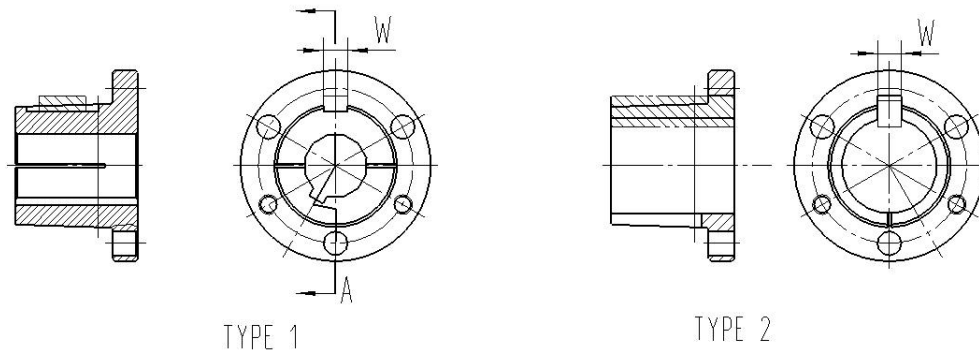
BUSH NO.	TORQUE CAPACITY		SCREW TIGHTENING TORQUE	
	Lbf. in	N. m	Lbf. in	N. m
H	3090	350	89	10.1
JA	1000	113	60	6.8
SH	3500	396	108	12.2
SD/SDS	5000	565	108	12.2
SK	7000	791	180	20.3
SF	11000	1243	360	40.7
E	20000	2260	720	81.4
F	30000	3390	900	102
JA	45000	5090	1620	183
M	85000	9600	2700	305
N	150000	17000	3600	407
P	250000	28300	5400	610
W	375000	42400	7200	814

DIMENSION OF SPLIT TAPER BUSHING

SKETCH (A) G BUSHINGS (Type 2 is the note for big bore dimension)



SKETCH (B) P, B, Q, R & S BUSHINGS (Type 2 is the note for big bore dimension)



BUSHING	DIMENSION (INCHES)								
	A	B	D	(F)	G	W	L	φ d BOLT REQUIRED	CAP SCREWS REQUIRED (UNC)
G	0.250	1.172	2.000	0.625	0.157	0.250	1.000	1.5625	2~1/4X5/8
P1	0.406	1.9375	3.000	1.313	0.221	0.375	1.938	2.4375	3~5/16X1
P2	0.406	1.9375	3.000	2.314	0.221	0.375	2.938	2.4375	3~5/16X1
P3	0.406	1.9375	3.000	3.813	0.221	0.375	4.437	2.4375	3~5/16X1
B	0.500	2.625	3.688	1.188	0.221	0.500	1.938	3.125	3~5/16X1-1/4
Q1	0.531	2.875	4.125	1.750	0.221	0.500	2.500	3.375	3~3/8X1-1/4
Q2	0.531	2.875	4.125	2.750	0.221	0.500	3.500	3.375	3~3/8X1-1/4
R1	0.625	4.000	5.375	2.000	0.250	0.750	2.874	4.625	3~3/8X1-3/4
R2	0.625	4.000	5.375	4.000	0.250	0.750	4.875	4.625	3~3/8X1-3/4
S1	0.750	4.625	6.375	3.313	0.313	0.750	4.382	5.375	3~1/2X2-1/4

NOTE: MATERIAL:QT450-10

BORE SIZES FOR SPLIT TAPER BUSHINGS AND THE RELEVANT KEYWAY DIMENSIONS

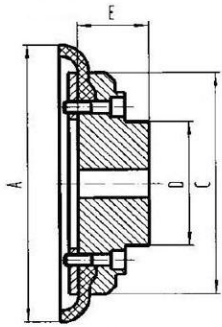
BUSHING	BORE RANGE			
	TYPE 1		TYPE 2	
	INCH	METRIC	INCH	METRIC
G	3/8~7/8	11~25	15/16~1	-
P1	1/2~1-7/16	14~36	1-1/2~1-3/4	38~42
P2	3/4~1-7/16	19~36	1-1/2~1-11/16	
P3	1-1/8~1-3/8	—	—	—
B	1/2~1-15/16	14~50	2~2-7/16	55~60
Q1	3/4~2-1/16	19~50	2-1/8~2-11/16	55~65
Q2	1~2-1/16	25~50	2-1/8~2-9/16	55~65
R1	1-1/8~2-13/16	28~65	2-7/8~3-3/4	70~95
R2	1-3/8~2-13/16	35~65	2-7/8~2-9/16	70~90
S1	1-1/16~3-3/16	42~80	-	-

NOTE:

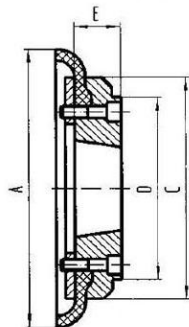
1. The keyway in inch bore for Typt 1 is standard, just same as standard keyway of QD Bushing . The keyway in metric bore for Typt 1 is standard of GB/T1095-2003.
2. For keyway width in bore range for Type 2, please see "W" value, and the product will be provided with relevant key.

Fenaflex Coupling —Dimensions (Ductile Iron QT450-10)

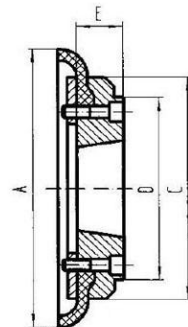
F40-60



Type B

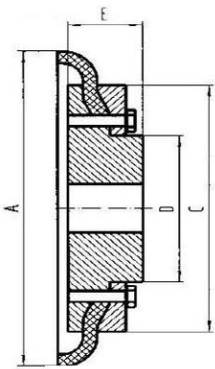


Type F

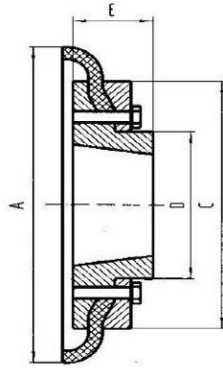


Type H

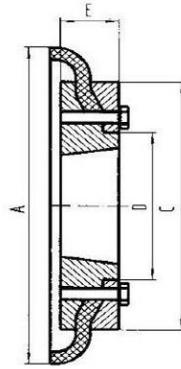
F70-140



Type B



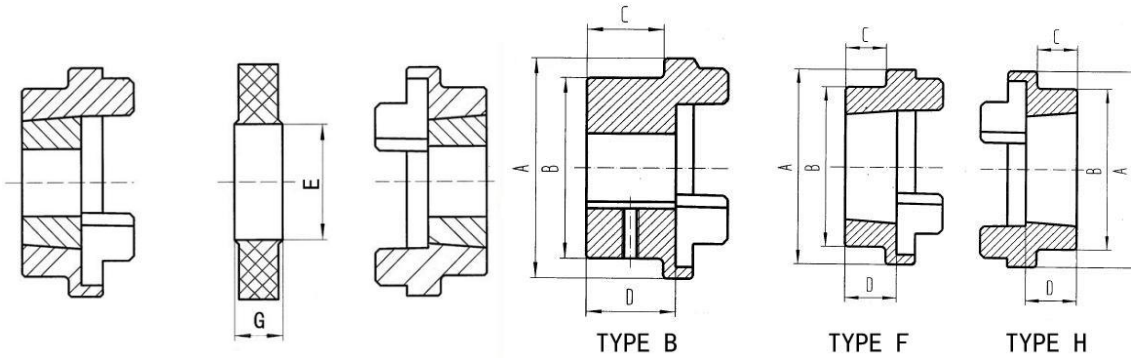
Type F



Type H

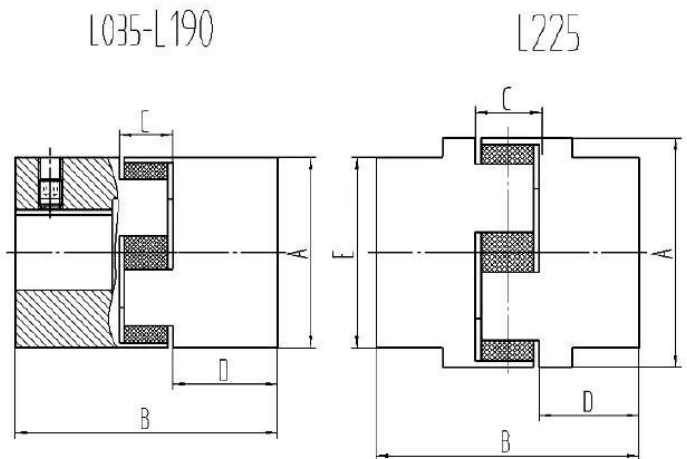
SIZE	A	C	SCREW	BUSH NO.			E			D		
				Type	Type	Type	Type	Type	Type	Type	Type	Type
				B	F	H	B	F	H	B	F	H
F40	104	82	4-M6	-	1008	1008	22	22	22	-	-	-
F50	133	100	4-M6	-	1210	1210	32	25	25	79	79	79
F60	165	125	5-M6	-	1610	1610	38	25	25	70	103	103
F70	187	142	5-M8	-	2012	1610	35	32	25	80	80	80
F80	211	165	6-M8	-	2517	2012	42	45	32	98	97	98
F90	235	187	6-M10	-	2517	2517	49	45	45	112	108	108
F100	254	214	6-M10	-	3020	2517	56	51	45	125	120	113
F110	279	232	6-M10	-	3020	3020	63	51	51	128	134	134
F120	314	262	6-M12	-	3525	3020	70	65	51	143	140	140
F140	359	313	8-M12	-	3535	3535	94	89	89	194	194	194

HRC Coupling—Dimensions(Cast Iron HT200)



SIZE	A	B	E	G	BUSH TYPE F TYPE H	SCREW TYPE B	C		D	
							TYPE F TYPE H	TYPE B	TYPE F TYPE H	TYPE B
HRC70	69	60	31	18	1008	M6	20	20	23.5	23.5
HRC90	85	70	32	22.5	1108	M6	19.5	26	23.5	30
HRC110	112	100	45	29	1610	M6	18.5	37	26.5	45
HRC130	130	105	50	36	1610	M6	18	39	26.5	47.5
HRC150	150	115	62	40	2012	M6	23.5	46	33.5	56
HRC180	180	125	77	49	2517	M6	34.5	58	46.5	70
HRC230	225	155	99	59.5	3020	M6	39.5	77	52.5	90
HRC280	275	206	119	74.5	3525	M6	51	90	66.5	105.5

JAW Coupling



SIZE	Fundamental Dimensions					BORE SIZE	
	A	B	C	D	E	METRIC BORE(mm)	INCH BORE (in.)
L035	15.9	21.6	8	6.8	—	—	1/8, 3/16, 1/4, 5/16, 3/8
L050	27.6	43.8	12	15.9	—	—	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8
L070	34.8	51.6	13	19.3	—	10, 12, 14, 16, 18, 19, 20	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4
L075	44.4	54.6	13	20.8	—	12, 14, 16, 18, 19, 20, 22	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8
L090	53.3	54.6	13	20.8	—	14, 16, 18, 19, 20, 22, 24, 25, 28	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16
L095	53.4	64.2	13	25.6	—	14, 16, 18, 19, 20, 22, 24, 25, 28	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8,
L100	64	88.8	19	34.9	—	14, 16, 18, 20, 22, 24, 25, 28, 30, 32, 35	1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16
L110	84	108.2	22	43.1	—	18, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-7/8
L150	94.7	114.4	25	44.7	—	18, 20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48	
L190	114.3	133.4	25	54.2	—	20, 24, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50, 52	3/4, 13/16, 7/8, 15/16, 1, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-5/16, 1-3/8, 1-7/16, 1-1/2, 1-9/16, 1-5/8, 1-11/16, 1-3/4, 1-13/16, 1-7/8, 1-15/16, 2, 2-1/16, 2-1/8, 2-3/16, 2-1/4, 2-3/8, 2-5/8
L225	127.0	153.4	26	63.7	108	30, 32, 35, 38, 40, 42, 45, 48, 50, 55, 60, 65	

SIZE	MATERIAL	KEY SEAT	
		METRIC BORE(mm)	INCH BORE (in.)
L035~L190	POWDER METALLURGY	STD(GB/T1095-2003)	<1/2, NO K.W.
L225	HT200	STD(GB/T1095-2003)	≥1/2, STD (ANSI B17.1-1967)