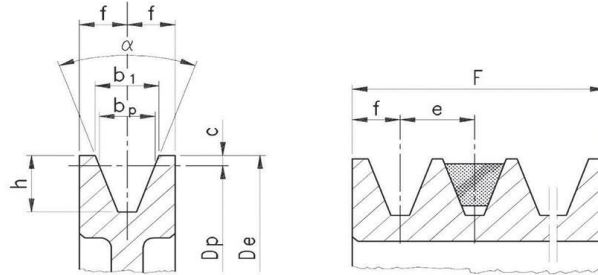




Dimensions of grooves	1
Z , SPZ , SPZX , 3V	2
A , SPA , SPAX	3
B , SPB , 5V , 5VX	4
C , SPC , SPCX	5
Taper Lock Bush	6
Keyways for Metric Bores	7
Taper Lock Installation Instruction	8
Pulley balance	9



Dimensions of grooves

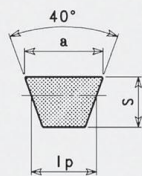
DIN 2211
ISO 4183 - 1980

Section	SPZ	SPA	SPB	SPC	
b_p	8.5	11	14	19	
b_1	9.7	12.7	16.3	22	
c	2	2.8	3.5	4.8	
e	12 ± 0.3	15 ± 0.3	19 ± 0.4	25.5 ± 0.5	
f	8 ± 0.6	10 ± 0.6	12.5 ± 0.8	17 ± 1	
h	$11 \begin{smallmatrix} +0.6 \\ -0 \end{smallmatrix}$	$13.8 \begin{smallmatrix} +0.6 \\ -0 \end{smallmatrix}$	$17.5 \begin{smallmatrix} +0.6 \\ -0 \end{smallmatrix}$	$23.8 \begin{smallmatrix} +0.6 \\ -0 \end{smallmatrix}$	
$\alpha \begin{smallmatrix} 34^\circ \\ 38^\circ \end{smallmatrix}$ for Diameter pitch (DP) Tolerances	≤ 80	≤ 118	≤ 190	≤ 315	
	> 80	> 118	> 190	> 315	
Face width F min by nr , grooves $F \text{ min} = (nr . \text{ of grooves} - 1) . e + 2 f$	$\pm 1^\circ$	$\pm 1^\circ$	$\pm 1^\circ$	$\pm 30'$	
	1	16	20	25	34 *
	2	28	35	44	59.5 *
	3	40	50	63	85
	4	52	65	82	110.5
	5	64	80	101	136
	6	76	95	120	161.5
	7	88	110	139	187
	8	100	125	158	212.5
	9	112	140	177	238
	10	124	155	196	263.5
	11	136	170	215	289
12	148	185	234	314.5	
Tolerances of : (nr, of grooves - 1) . e	± 0.6	± 0.6	± 0.8	± 1.0	

*) No hub diameter specified .

Dimensions of belts

Din 2215

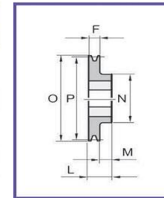


Type	a	s	lp
Z	10	6	8.5
A	13	8	11
B	17	11	14
C	22	14	19
D	32	19	27
E	40	25	32

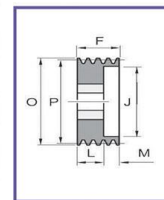
Pulleys for Taper bush Z , SPZ , SPZX , 3V belts

2

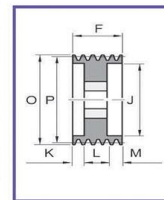
TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPZ 71 / 1	71	1	1108	28	1	16	-	-	22	6	60	75	0.4
SPZ 71 / 2	71	2	1108	28	6	28	42	6	22	-	-	75	0.5
SPZ 71 / 3	71	3	1108	28	6	40	42	18	22	-	-	75	0.7
SPZ 75 / 1	75	1	1108	28	1	16	-	-	22	6	60	79	0.4
SPZ 75 / 2	75	2	1210	32	6	28	51	3	25	-	-	79	0.5
SPZ 75 / 3	75	3	1210	32	6	40	51	15	25	-	-	79	0.7
SPZ 80 / 1	80	1	1210	32	1	16	-	-	25	9	75	84	0.5
SPZ 80 / 2	80	2	1210	32	6	28	51	3	25	-	-	84	0.6
SPZ 80 / 3	80	3	1210	32	6	40	51	15	25	-	-	84	0.8
SPZ 80 / 4	80	4	1210	32	6	52	51	27	25	-	-	84	1
SPZ 85 / 1	85	1	1210	32	1	16	-	-	25	9	80	89	0.6
SPZ 85 / 2	85	2	1610	42	6	28	60	3	25	-	-	89	0.7
SPZ 85 / 3	85	3	1610	42	6	40	60	15	25	-	-	89	0.8
SPZ 85 / 4	85	4	1610	42	6	52	60	27	25	-	-	89	1
SPZ 85 / 5	85	5	1610	42	6	64	60	39	25	-	-	89	1.1
SPZ 90 / 1	90	1	1210	32	1	16	-	-	25	9	80	94	0.7
SPZ 90 / 2	90	2	1610	42	6	28	61	3	25	-	-	94	0.8
SPZ 90 / 3	90	3	1610	42	6	40	61	15	25	-	-	94	0.9
SPZ 90 / 4	90	4	1610	42	6	52	61	27	25	-	-	94	1.1
SPZ 90 / 5	90	5	1610	42	6	64	61	39	25	-	-	94	1.3
SPZ 90 / 6	90	6	1610	42	6	76	61	51	25	-	-	94	1.5
SPZ 95 / 1	95	1	1210	32	1	16	-	-	25	9	85	99	0.7
SPZ 95 / 2	95	2	1610	42	6	28	66	3	25	-	-	99	1.1
SPZ 95 / 3	95	3	1610	42	6	40	66	15	25	-	-	99	1.2
SPZ 95 / 4	95	4	1610	42	6	52	66	27	25	-	-	99	1.3
SPZ 95 / 5	95	5	1610	42	6	64	66	39	25	-	-	99	1.6
SPZ 95 / 6	95	6	1610	42	6	76	66	51	25	-	-	99	1.7
SPZ 100 / 1	100	1	1210	32	1	16	-	-	25	9	85	104	0.9
SPZ 100 / 2	100	2	1610	42	6	28	71	3	25	-	-	104	1
SPZ 100 / 3	100	3	1610	42	6	40	71	15	25	-	-	104	1.4
SPZ 100 / 4	100	4	1610	42	6	52	71	27	25	-	-	104	1.4
SPZ 100 / 5	100	5	2012	50	6	64	71	32	32	-	-	104	1.5
SPZ 100 / 6	100	6	2012	50	6	76	71	44	32	-	-	104	1.8
SPZ 106 / 1	106	1	1610	42	1	16	-	-	25	9	92	110	1
SPZ 106 / 2	106	2	1610	42	6	28	76	3	25	-	-	110	1.1
SPZ 106 / 3	106	3	1610	42	6	40	76	15	25	-	-	110	1.7
SPZ 106 / 4	106	4	1610	42	6	52	76	27	25	-	-	110	1.8
SPZ 106 / 5	106	5	2012	50	6	64	76	32	32	-	-	110	1.85
SPZ 106 / 6	106	6	2012	50	6	76	76	44	32	-	-	110	1.9
SPZ 112 / 1	112	1	1610	42	1	16	-	-	25	9	92	116	1
SPZ 112 / 2	112	2	1610	42	6	28	83	3	25	-	-	116	1.4
SPZ 112 / 3	112	3	2012	50	6	40	83	8	32	-	-	116	1.7
SPZ 112 / 4	112	4	2012	50	6	52	83	20	32	-	-	116	1.7
SPZ 112 / 5	112	5	2012	50	6	64	83	32	32	-	-	116	2.1
SPZ 112 / 6	112	6	2012	50	6	76	83	44	32	-	-	116	2.2



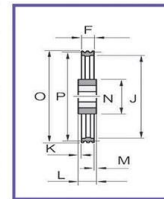
Type 1



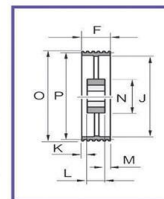
Type 2



Type 3



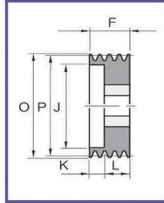
Type 4



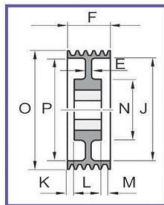
Type 5

Pulleys for Taper bush

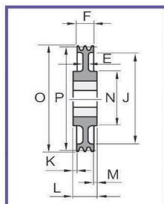
Z, SPZ, SPZX, 3V belts



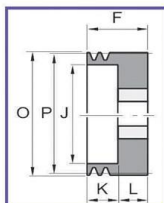
Type 6



Type 7



Type 8

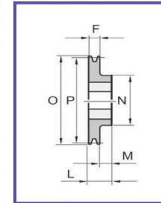


Type 9

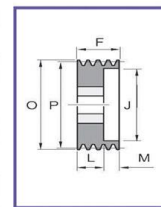
TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPZ 118 / 1	118	1	1610	42	1	16	-	-	25	9	92	122	1.3
SPZ 118 / 2	118	2	1610	42	6	28	90	3	25	-	-	122	1.5
SPZ 118 / 3	118	3	2012	50	6	40	90	8	32	-	-	122	2
SPZ 118 / 4	118	4	2012	50	6	52	90	20	32	-	-	122	2
SPZ 118 / 5	118	5	2012	50	6	64	90	32	32	-	-	122	2.2
SPZ 118 / 6	118	6	2517	60	6	76	90	31	45	-	-	122	2.3
SPZ 125 / 1	125	1	1610	42	1	16	-	-	25	9	92	129	1.3
SPZ 125 / 2	125	2	1610	42	6	28	96	3	25	-	-	129	1.7
SPZ 125 / 3	125	3	2012	50	2	40	96	-	32	8	-	129	2
SPZ 125 / 4	125	4	2012	50	2	52	96	-	32	20	-	129	2.3
SPZ 125 / 5	125	5	2012	50	6	64	96	32	32	-	-	129	2.6
SPZ 125 / 6	125	6	2517	60	6	76	96	31	45	-	-	129	2.7
SPZ 132 / 1	132	1	1610	42	1	16	-	-	25	9	92	136	1.3
SPZ 132 / 2	132	2	1610	42	6	28	103	3	25	-	-	136	1.8
SPZ 132 / 3	132	3	2012	50	2	40	103	-	32	8	-	136	2.3
SPZ 132 / 4	132	4	2012	50	2	52	103	-	32	20	-	136	2.6
SPZ 132 / 5	132	5	2517	60	6	64	103	19	45	-	-	136	2.9
SPZ 132 / 6	132	6	2517	60	6	76	103	31	45	-	-	136	3.1
SPZ 140 / 1	140	1	1610	42	1	16	-	-	25	9	92	144	1.4
SPZ 140 / 2	140	2	1610	42	6	28	111	3	25	-	-	144	1.8
SPZ 140 / 3	140	3	2012	50	2	40	111	-	32	8	-	144	2.7
SPZ 140 / 4	140	4	2012	50	2	52	111	-	32	20	-	144	3
SPZ 140 / 5	140	5	2517	60	2	64	111	-	45	19	-	144	3.4
SPZ 140 / 6	140	6	2517	60	2	76	111	-	45	31	-	144	3.8
SPZ 150 / 1	150	1	1610	42	1	16	-	-	25	9	92	154	1.6
SPZ 150 / 2	150	2	2012	50	1	28	-	-	32	4	112	154	2.5
SPZ 150 / 3	150	3	2012	50	2	40	121	-	32	8	-	154	2.9
SPZ 150 / 4	150	4	2517	60	2	52	121	-	45	7	-	154	3.8
SPZ 150 / 5	150	5	2517	60	2	64	121	-	45	19	-	154	4.2
SPZ 150 / 6	150	6	2517	60	2	76	121	-	45	31	-	154	4.4
SPZ 160 / 1	160	1	1610	42	1	16	-	-	25	9	92	164	1.7
SPZ 160 / 2	160	2	2012	50	1	28	-	-	32	4	112	164	2.5
SPZ 160 / 3	160	3	2012	50	2	40	131	-	32	8	-	164	3
SPZ 160 / 4	160	4	2517	60	2	52	131	-	45	7	-	164	4.2
SPZ 160 / 5	160	5	2517	60	2	64	131	-	45	19	-	164	4.4
SPZ 160 / 6	160	6	2517	60	2	76	131	-	45	31	-	164	4.7
SPZ 170 / 1	170	1	1610	42	1	16	-	-	25	9	92	174	1.7
SPZ 170 / 2	170	2	2012	50	1	28	-	-	32	4	112	174	2.5
SPZ 170 / 3	170	3	2012	50	2	40	141	-	32	8	-	174	3
SPZ 170 / 4	170	4	2517	60	2	52	141	-	45	7	-	174	4.2
SPZ 170 / 5	170	5	2517	60	2	64	141	-	45	19	-	174	4.4
SPZ 170 / 6	170	6	2517	60	2	76	141	-	45	31	-	174	4.7

2

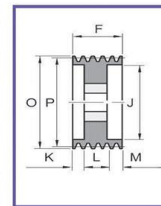
TYPE	P	N ² Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPZ 180 / 1	180	1	1610	42	1	16	-	-	25	9	92	184	1.2
SPZ 180 / 2	180	2	2012	50	1	28	-	-	32	4	112	184	2.8
SPZ 180 / 3	180	3	2012	50	2	40	151	32	8	-	-	184	3.5
SPZ 180 / 4	180	4	2517	60	2	52	151	-	45	7	-	184	4.1
SPZ 180 / 5	180	5	2517	60	2	64	151	-	45	19	-	184	4.8
SPZ 180 / 6	180	6	2517	60	2	76	151	-	45	31	-	184	5
SPZ 190 / 1	190	1	1610	42	1	16	-	-	25	9	92	194	2.9
SPZ 190 / 2	190	2	2012	50	1	28	-	-	32	4	112	194	3.4
SPZ 190 / 3	190	3	2012	50	7	40	161	4	32	4	112	194	3.8
SPZ 190 / 4	190	4	2517	60	7	52	161	3.5	45	3.5	124	194	4.4
SPZ 190 / 5	190	5	2517	60	7	64	161	9.5	45	9.5	124	194	5.3
SPZ 190 / 6	190	6	2517	60	7	76	161	15.5	45	15.5	124	194	6.2
SPZ 200 / 1	200	1	2012	50	8	16	171	0	32	16	112	204	2.5
SPZ 200 / 2	200	2	2012	50	8	28	171	0	32	4	112	204	3.3
SPZ 200 / 3	200	3	2012	50	7	40	171	4	32	4	112	204	3.9
SPZ 200 / 4	200	4	2517	60	7	52	171	3.5	45	3.5	124	204	4.8
SPZ 200 / 5	200	5	2517	60	7	64	171	9.5	45	9.5	124	204	5.2
SPZ 200 / 6	200	6	2517	60	7	76	171	15.5	45	15.5	124	204	5.4
SPZ 224 / 1	224	1	2012	50	8	16	195	0	32	16	112	228	2.8
SPZ 224 / 2	224	2	2012	50	8	28	195	0	32	4	112	228	3.8
SPZ 224 / 3	224	3	2012	50	7	40	195	4	32	4	112	228	4.6
SPZ 224 / 4	224	4	2517	65	7	52	195	3.5	45	3.5	124	228	5.5
SPZ 224 / 5	224	5	2517	65	7	64	195	9.5	45	9.5	124	228	5.9
SPZ 224 / 6	224	6	2517	65	7	76	195	15.5	45	15.5	124	228	6.6
SPZ 250 / 1	250	1	2012	50	4	16	221	8	32	8	112	254	3.6
SPZ 250 / 2	250	2	2012	50	4	28	221	2	32	2	112	254	3.7
SPZ 250 / 3	250	3	2012	50	5	40	221	4	32	4	112	254	4.8
SPZ 250 / 4	250	4	2517	60	5	52	221	3.5	45	3.5	124	254	5.6
SPZ 250 / 5	250	5	2517	60	5	64	221	9.5	45	9.5	124	254	7
SPZ 250 / 6	250	6	2517	60	5	76	221	15.5	45	15.5	124	254	7.6
SPZ 280 / 1	280	1	2012	50	4	16	251	8	32	8	112	284	3.2
SPZ 280 / 2	280	2	2012	50	4	28	251	2	32	2	112	284	4.2
SPZ 280 / 3	280	3	2517	60	4	40	251	2.5	45	2.5	124	284	6.7
SPZ 280 / 4	280	4	2517	60	5	52	251	3.5	45	3.5	124	284	7.3
SPZ 280 / 5	280	5	2517	60	5	64	251	9.5	45	9.5	124	284	8.9
SPZ 280 / 6	280	6	2517	60	5	76	251	15.5	45	15.5	124	284	9
SPZ 315 / 1	315	1	2012	50	4	16	286	8	32	8	112	319	3.6
SPZ 315 / 2	315	2	2012	50	4	28	286	2	32	2	112	319	4.9
SPZ 315 / 3	315	3	2517	60	4	40	286	2.5	32	2.5	124	319	6.4
SPZ 315 / 4	315	4	2517	60	5	52	286	8	45	3.5	124	319	7.4
SPZ 315 / 5	315	5	2517	60	5	64	286	9.5	45	9.5	124	319	8.3
SPZ 315 / 6	315	6	2517	60	5	76	286	15.5	45	15.5	124	319	8.7



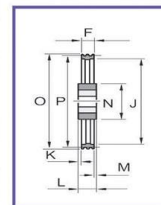
Type 1



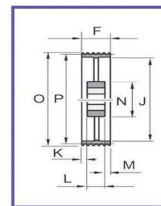
Type 2



Type 3



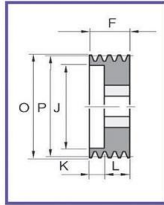
Type 4



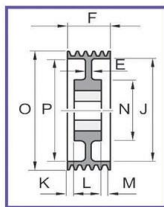
Type 5

Pulleys for Taper bush

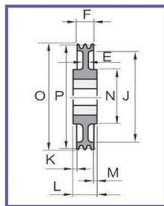
Z , SPZ , SPZX , 3V belts



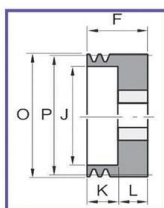
Type 6



Type 7



Type 8



Type 9

TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPZ 355 / 1	355	1	2012	50	4	16	326	8	32	8	112	359	5.5
SPZ 355 / 2	355	2	2012	50	4	28	326	2	32	2	112	359	5.6
SPZ 355 / 3	355	3	2517	60	4	40	326	2.5	45	2.5	124	359	9.4
SPZ 355 / 4	355	4	2517	60	5	52	326	3.5	45	3.5	124	359	8.1
SPZ 355 / 5	355	5	2517	60	5	64	326	9.5	45	9.5	124	359	14.1
SPZ 355 / 6	355	6	2517	60	5	76	326	15.5	45	15.5	124	359	15
SPZ 400 / 1	400	1	2012	50	4	16	371	8	32	8	112	404	5.6
SPZ 400 / 2	400	2	2517	60	4	28	371	8.5	45	8.5	124	404	7.4
SPZ 400 / 3	400	3	2517	60	4	40	371	2.5	45	2.5	124	404	9.8
SPZ 400 / 4	400	4	2517	60	5	52	371	3.5	45	3.5	124	404	10.3
SPZ 400 / 5	400	5	3020	75	5	64	371	6.5	51	6.5	146	404	12.6
SPZ 400 / 6	400	6	3020	75	5	76	371	0	76	0	146	404	14.1
SPZ 450 / 2	450	2	2517	60	4	28	421	8.5	45	8.5	124	454	8
SPZ 450 / 3	450	3	2517	60	4	40	421	2.5	45	2.5	124	454	11.3
SPZ 450 / 4	450	4	3020	75	5	52	421	0.5	51	0.5	146	454	16.8
SPZ 450 / 5	450	5	3020	75	5	64	421	6.5	51	6.5	146	454	17.7
SPZ 450 / 6	450	6	3020	75	5	76	421	0	76	0	146	454	18.2
SPZ 500 / 2	500	2	2517	60	4	28	471	8.5	45	8.5	124	504	10.7
SPZ 500 / 3	500	3	2517	60	4	40	471	2.5	45	2.5	124	504	13.8
SPZ 500 / 4	500	4	3020	75	5	52	471	0.5	51	0.5	146	504	16.6
SPZ 500 / 5	500	5	3020	75	4	64	471	6	76	6	146	504	17.3
SPZ 500 / 6	500	6	3020	75	5	76	471	0	76	0	146	504	19
SPZ 630 / 3	630	3	2517	60	4	40	601	2.5	45	2.5	124	634	24.5
SPZ 630 / 4	630	4	3020	75	4	52	601	12	76	12	146	634	29.4
SPZ 630 / 5	630	5	3020	75	4	64	601	6	76	6	146	634	30.6

2

- وزن های اعلام شده ، تقریبی می باشد.

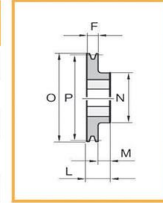
- سفارشات خارج از ابعاد استاندارد، شامل هزینه اضافی و زمان تحویل طولانی تر خواهد بود.

- توانایی تولید پولی تا قطر ۱۶۰۰ میلیمتر

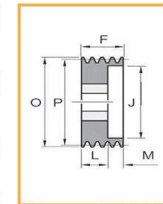
Pulleys for Taper bush A, SPA, SPAX belts

3

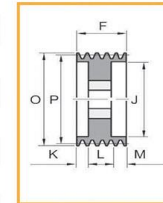
TYPE	P	N [*] Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPA 71 / 1	71	1	1108	28	1	20	-	-	22	2	60	77	1
SPA 71 / 2	71	2	1108	28	6	35	42	13	22	-	-	77	1
SPA 71 / 3	71	3	1108	28	6	50	42	28	22	-	-	77	1
SPA 75 / 1	75	1	1108	28	1	20	-	-	22	2	56	81	1
SPA 75 / 2	75	2	1108	28	6	35	46	10	25	-	-	81	1
SPA 75 / 3	75	3	1108	28	6	50	46	25	25	-	-	81	1
SPA 80 / 1	80	1	1210	32	1	20	-	-	25	5	75	86	1
SPA 80 / 2	80	2	1210	32	6	35	46	10	25	-	-	86	1
SPA 80 / 3	80	3	1210	32	6	50	46	25	25	-	-	86	1
SPA 85 / 1	85	1	1210	32	1	20	-	-	25	5	80	91	1
SPA 85 / 2	85	2	1210	32	6	35	46	10	25	-	-	91	1
SPA 85 / 3	85	3	1210	32	6	50	46	25	25	-	-	91	1
SPA 90 / 1	90	1	1210	32	1	20	-	-	25	5	80	96	1
SPA 90 / 2	90	2	1610	42	6	35	61	10	25	-	-	96	1
SPA 90 / 3	90	3	1610	42	6	50	61	25	25	-	-	96	1.1
SPA 90 / 4	90	4	1610	42	3	65	61	13.5	38	13.5	-	96	1.2
SPA 95 / 1	95	1	1210	32	1	20	-	-	25	5	85	101	1
SPA 95 / 2	95	2	1610	42	6	35	66	10	25	-	-	101	1.1
SPA 95 / 3	95	3	1610	42	6	50	66	25	25	-	-	101	1.3
SPA 95 / 4	95	4	1610	42	3	65	66	13.5	38	13.5	-	101	1.6
SPA 100 / 1	100	1	1610	42	1	20	-	-	25	5	85	106	1
SPA 100 / 2	100	2	1610	42	6	35	71	10	25	-	-	106	1.2
SPA 100 / 3	100	3	1610	42	2	50	71	-	25	25	-	106	1.4
SPA 100 / 4	100	4	1610	42	2	65	71	-	38	27	-	106	1.7
SPA 100 / 5	100	5	1610	42	2	80	71	-	38	42	-	106	2.1
SPA 100 / 6	100	6	1610	42	3	95	71	28.5	38	28.5	-	106	2.9
SPA 106 / 1	106	1	1610	42	1	20	-	-	25	5	92	112	1
SPA 106 / 2	106	2	1610	42	6	35	76	10	25	-	-	112	1.3
SPA 106 / 3	106	3	1610	42	2	50	76	-	25	25	-	112	1.6
SPA 106 / 4	106	4	2012	50	6	65	76	33	25	-	-	112	1.8
SPA 106 / 5	106	5	2012	50	6	80	76	48	32	-	-	112	2.2
SPA 106 / 6	106	6	2012	50	6	95	76	63	32	-	-	112	3.4
SPA 112 / 1	112	1	1610	42	1	20	-	-	25	5	92	118	1.2
SPA 112 / 2	112	2	1610	42	6	35	83	10	25	-	-	118	1.5
SPA 112 / 3	112	3	2012	50	6	50	83	18	32	-	-	118	1.9
SPA 112 / 4	112	4	2012	50	6	65	83	33	32	-	-	118	2.1
SPA 112 / 5	112	5	2012	50	6	80	83	48	32	-	-	118	2.4
SPA 112 / 6	112	6	2012	50	6	95	83	63	32	-	-	118	3.8
SPA 118 / 1	118	1	1610	42	1	20	-	-	25	5	92	124	1.3
SPA 118 / 2	118	2	1610	42	6	35	90	10	25	-	-	124	1.7
SPA 118 / 3	118	3	2012	50	2	50	90	-	32	18	-	124	2
SPA 118 / 4	118	4	2012	50	2	65	90	-	32	33	-	124	2.3
SPA 118 / 5	118	5	2012	50	2	80	90	-	32	48	-	124	2.7
SPA 118 / 6	118	6	2012	50	6	95	90	63	32	-	-	124	4



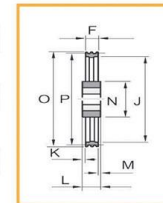
Type 1



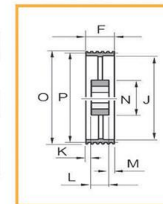
Type 2



Type 3

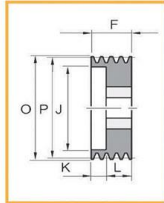


Type 4

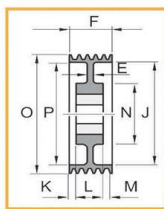


Type 5

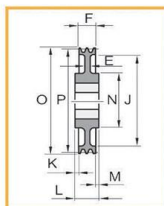
Pulleys for Taper bush A, SPA, SPAX belts



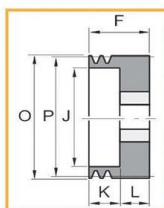
Type 6



Type 7



Type 8



Type 9

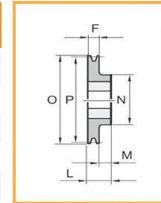
TYPE	P	N ⁺ Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPA 125 / 1	125	1	1610	42	1	20	-	-	25	5	92	131	1.5
SPA 125 / 2	125	2	1610	42	6	35	96	10	25	-	-	131	2
SPA 125 / 3	125	3	2012	50	2	50	96	-	32	18	-	131	2.3
SPA 125 / 4	125	4	2012	50	2	65	96	-	32	33	-	131	2.7
SPA 125 / 5	125	5	2012	50	3	80	96	24	32	24	-	131	3.1
SPA 125 / 6	125	6	2012	50	3	95	96	31.5	32	31.5	-	131	4.3
SPA 132 / 1	132	1	1610	42	1	20	-	-	25	5	92	138	1.7
SPA 132 / 2	132	2	2012	50	6	35	103	3	32	-	-	138	2.1
SPA 132 / 3	132	3	2012	50	2	50	103	-	32	18	-	138	2.7
SPA 132 / 4	132	4	2517	60	2	65	103	-	45	20	-	138	3.1
SPA 132 / 5	132	5	2517	60	3	80	103	17.5	45	17.5	-	138	3.4
SPA 132 / 6	132	6	2517	60	3	95	103	25	45	25	-	138	4.5
SPA 140 / 1	140	1	1610	42	1	20	-	-	25	5	92	146	1.7
SPA 140 / 2	140	2	2012	50	6	35	111	3	32	-	-	146	2.5
SPA 140 / 3	140	3	2517	60	6	50	111	5	45	-	-	146	3.1
SPA 140 / 4	140	4	2517	60	2	65	111	-	45	20	-	146	3.6
SPA 140 / 5	140	5	2517	60	3	80	111	17.5	45	17.5	-	146	4.2
SPA 140 / 6	140	6	2517	60	3	95	111	25	45	25	-	146	4.9
SPA 150 / 1	150	1	1610	42	1	20	-	-	25	5	92	156	1.8
SPA 150 / 2	150	2	2012	50	6	35	121	3	32	-	-	156	3
SPA 150 / 3	150	3	2517	60	6	50	121	5	45	-	-	156	3.8
SPA 150 / 4	150	4	2517	60	2	65	121	-	45	20	-	156	4.3
SPA 150 / 5	150	5	2517	60	3	80	121	17.5	45	17.5	-	156	4.9
SPA 150 / 6	150	6	2517	60	3	95	121	25	45	25	-	156	5.7
SPA 160 / 1	160	1	1610	42	1	20	-	-	25	5	92	166	2.1
SPA 160 / 2	160	2	2012	50	3	35	128	1.5	32	1.5	108	166	3.3
SPA 160 / 3	160	3	2517	60	6	50	128	5	45	-	-	166	4.6
SPA 160 / 4	160	4	2517	60	2	65	128	-	45	20	-	166	5.1
SPA 160 / 5	160	5	2517	60	3	80	128	17.5	45	17.5	-	166	5.6
SPA 160 / 6	160	6	2517	60	3	95	128	25	45	25	-	166	6.6
SPA 170 / 1	170	1	1610	42	1	20	-	-	25	5	92	176	2.1
SPA 170 / 2	170	2	2012	50	3	35	138	1.5	32	1.5	108	176	3.3
SPA 170 / 3	170	3	2517	60	6	50	138	5	45	-	-	176	5.3
SPA 170 / 4	170	4	2517	60	2	65	138	-	45	20	-	176	5.9
SPA 170 / 5	170	5	2517	60	3	80	138	17.5	45	-	-	176	6.6
SPA 170 / 6	170	6	2517	60	3	95	138	17.5	45	-	-	176	7.4
SPA 180 / 1	180	1	1610	42	1	20	-	-	25	5	92	186	2.3
SPA 180 / 2	180	2	2012	50	7	35	148	1.5	32	1.5	108	186	3.2
SPA 180 / 3	180	3	2517	60	6	50	148	5	45	-	-	186	4.9
SPA 180 / 4	180	4	2517	60	2	65	148	-	45	20	-	186	5.7
SPA 180 / 5	180	5	3020	75	3	80	148	14.5	51	14.5	-	186	6.8
SPA 180 / 6	180	6	3020	75	3	95	148	22	51	22	-	186	7.9

3

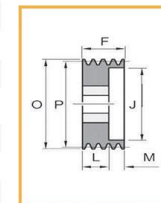
Pulleys for Taper bush A , SPA , SPAX belts

3

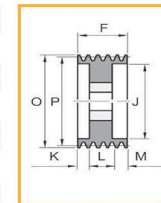
TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPA 190 / 1	190	1	1610	42	1	20	-	-	25	5	92	196	2.6
SPA 190 / 2	190	2	2012	50	7	35	158	1.5	32	1.5	108	196	3.5
SPA 190 / 3	190	3	2517	60	6	50	158	5	-	-	-	196	4.9
SPA 190 / 4	190	4	2517	60	2	65	158	-	45	20	-	196	5.7
SPA 190 / 5	190	5	3020	75	3	80	158	21.5	52	14.5	-	196	8
SPA 190 / 6	190	6	3020	75	3	95	158	21.5	52	22	-	196	9.4
SPA 200 / 1	200	1	2012	50	8	20	162	0	32	12	108	206	3.2
SPA 200 / 2	200	2	2517	60	8	35	162	5	45	5	123	206	4.7
SPA 200 / 3	200	3	2517	60	7	50	162	2.5	45	2.5	123	206	5.4
SPA 200 / 4	200	4	3020	75	2	65	162	-	51	14	-	206	8.2
SPA 200 / 5	200	5	3020	75	3	80	162	14.5	51	14.5	-	206	8.4
SPA 200 / 6	200	6	3020	75	3	95	162	22	51	22	-	206	9.6
SPA 224 / 1	224	1	2012	50	8	20	189	0	32	12	112	230	3.5
SPA 224 / 2	224	2	2517	60	8	35	189	5	45	10	124	230	5.7
SPA 224 / 3	224	3	2517	60	7	50	189	2.5	45	2.5	124	230	5.9
SPA 224 / 4	224	4	3020	75	2	65	189	-	51	14	-	230	8.2
SPA 224 / 5	224	5	3020	75	2	80	189	-	51	29	-	230	9.1
SPA 224 / 6	224	6	3020	75	3	95	189	22	51	22	-	230	10.3
SPA 236 / 1	236	1	2012	50	8	20	201	-	32	12	112	242	3.7
SPA 236 / 2	236	2	2517	60	8	35	201	-	45	10	124	242	5.1
SPA 236 / 3	236	3	2517	60	7	50	201	2.5	45	2.5	124	242	6.3
SPA 236 / 4	236	4	3020	75	7	65	201	7	51	7	159	242	8.3
SPA 236 / 5	236	5	3020	75	7	80	201	14.5	51	14.5	159	242	9.5
SPA 236 / 6	236	6	3020	75	7	95	201	22	51	22	159	242	11.5
SPA 250 / 1	250	1	2012	50	8	20	215	6	32	6	112	256	4.2
SPA 250 / 2	250	2	2517	60	8	35	215	5	45	5	124	256	6.1
SPA 250 / 3	250	3	2517	60	7	50	215	2.5	45	2.5	124	256	8
SPA 250 / 4	250	4	3020	75	7	65	215	10	45	10	159	256	8.3
SPA 250 / 5	250	5	3020	75	7	80	215	17.5	45	17.5	159	256	10.2
SPA 250 / 6	250	6	3020	75	7	95	215	25	45	25	159	256	11.9
SPA 280 / 1	280	1	2012	50	8	20	245	0	32	12	112	286	4.4
SPA 280 / 2	280	2	2517	60	8	35	245	0	45	10	124	286	6.7
SPA 280 / 3	280	3	2517	60	7	50	245	2.5	45	2.5	124	286	7.9
SPA 280 / 4	280	4	3020	75	7	65	245	7	51	7	159	286	11.2
SPA 280 / 5	280	5	3020	90	8	80	245	4.5	89	4.5	178	286	11.2
SPA 280 / 6	280	6	3525	90	7	95	245	3	89	3	178	286	12.4
SPA 300 / 1	300	1	2012	50	8	20	265	-	32	12	112	306	5.9
SPA 300 / 2	300	2	2517	60	8	35	265	-	45	10	124	306	7.4
SPA 300 / 3	300	3	3020	75	8	50	265	0.5	45	0.5	159	306	8.7
SPA 300 / 4	300	4	3020	75	7	65	265	7	51	7	159	306	12.8
SPA 300 / 5	300	5	3525	90	8	80	265	4.5	89	4.5	178	306	13.7
SPA 300 / 6	300	6	3525	90	7	95	265	3	89	3	178	306	14.5



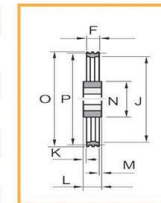
Type 1



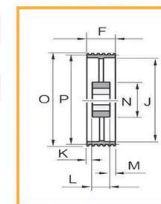
Type 2



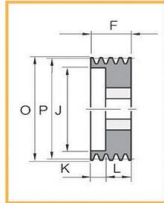
Type 3



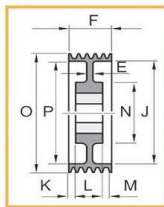
Type 4



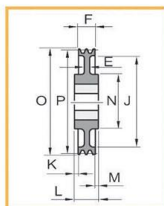
Pulleys for Taper bush A , SPA , SPAX belts



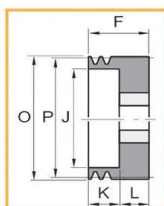
Type 6



Type 7



Type 8



Type 9

TYPE	P	N ⁺ Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPA 315 / 1	315	1	2012	50	4	20	280	0	32	12	112	321	4.4
SPA 315 / 2		2	2517	60	4	35	280	0	45	10	124	321	6.7
SPA 315 / 3	315	3	3020	75	8	50	280	0.5	51	0.5	159	321	8.6
SPA 315 / 4		4	3020	75	7	65	280	8	51	8	159	321	9.7
SPA 315 / 5	315	5	3525	90	8	80	280	4.5	89	4.5	178	321	13
SPA 315 / 6		6	3525	90	7	95	280	3	89	3	178	321	15.3
SPA 355 / 1	355	1	2012	50	4	20	320	0	32	12	112	361	5.5
SPA 355 / 2		2	2517	60	4	35	320	0	45	10	124	361	8
SPA 355 / 3	355	3	3020	75	4	50	320	0.5	51	0.5	159	361	10.4
SPA 355 / 4		4	3020	75	5	65	320	7	51	7	159	361	14.5
SPA 355 / 5	355	5	3525	90	4	80	320	4.5	89	4.5	178	361	15.7
SPA 355 / 6		6	3525	90	5	95	320	3	89	3	178	361	16.8
SPA 400 / 1	400	1	2012	50	4	20	365	0	32	12	112	406	6.8
SPA 400 / 2		2	2517	60	4	35	365	0	45	10	124	406	9.1
SPA 400 / 3	400	3	3020	75	4	50	365	0.5	51	0.5	159	406	12.3
SPA 400 / 4		4	3020	75	5	65	365	7	51	7	159	406	15.4
SPA 400 / 5	400	5	3525	90	4	80	365	4.5	89	4.5	178	406	17.1
SPA 400 / 6		6	3525	90	5	95	365	3	89	3	178	406	18.3
SPA 450 / 1	450	1	2012	50	4	20	415	0	32	12	112	456	8.2
SPA 450 / 2		2	2517	65	4	35	415	0	45	10	124	456	10.6
SPA 450 / 3	450	3	3020	75	4	50	415	0.5	51	0.5	159	456	13.5
SPA 450 / 4		4	3020	75	5	65	415	7	51	7	159	456	16.9
SPA 450 / 5	450	5	3525	90	4	80	415	4.5	89	4.5	178	456	20.5
SPA 450 / 6		6	3525	90	5	95	415	3	89	3	178	456	22.1
SPA 500 / 2	500	2	2517	65	4	35	465	0	45	10	124	506	12.9
SPA 500 / 3		3	3020	75	4	50	465	0.5	51	0.5	159	506	16.9
SPA 500 / 4	500	4	3020	75	5	65	465	7	51	7	159	506	19.8
SPA 500 / 5		5	3525	90	4	80	465	4.5	89	4.5	178	506	23.1
SPA 500 / 6	500	6	3525	90	5	95	465	3	89	3	178	506	24.9
SPA 560 / 2		2	3020	75	4	35	525	0	51	16	159	566	19
SPA 560 / 3	560	3	3020	75	4	50	525	0.5	51	0.5	159	566	24
SPA 560 / 4		4	3525	90	4	65	525	12	89	12	178	566	32
SPA 560 / 5	560	5	3525	90	4	80	525	4.5	89	4.5	178	566	40
SPA 560 / 6		6	3525	90	5	95	525	3	89	3	178	566	49
SPA 630 / 2	630	2	3020	75	4	35	595	0	51	16	159	636	21.6
SPA 630 / 3		3	3020	75	4	50	595	0.5	51	0.5	159	636	25.8
SPA 630 / 4	630	4	3525	90	4	65	595	12	89	12	178	636	32.8
SPA 630 / 5		5	3525	90	4	80	595	4.5	89	4.5	178	636	44.6
SPA 630 / 6	630	6	4030	100	4	95	595	3	102	3	216	636	53
SPA 800 / 3	800	3	3525	90	4	50	765	19.5	89	19.5	178	806	41
SPA 800 / 4		4	3525	90	4	65	765	12	89	12	178	806	50
SPA 800 / 5	800	5	4030	100	4	80	765	11	102	11	216	806	52.5
SPA 800 / 6		6	4030	100	4	95	765	3.5	102	3.2	216	806	63

3

- وزن های اعلام شده ، تقریبی می باشد.

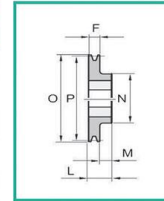
- سفارشات خارج از ابعاد استاندارد، شامل هزینه اضافی و زمان تحویل طولانی تر خواهد بود.

- توانایی تولید پولی تا قطر ۱۶۰۰ میلیمتر

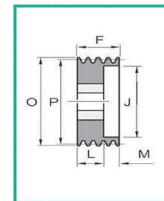


Pulleys for Taper bush B , SPB , 5V , 5VX belts

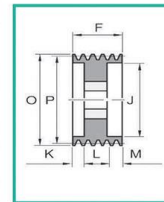
TYPE	P	N [*] Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPB 100 / 1	100	1	1610	42	1	25	-	-	25	-	-	107	0.9
SPB 100 / 2	100	2	1610	42	2	44	62	-	25	19	-	107	1.3
SPB 100 / 3	100	3	1610	42	2	63	62	-	25	37	-	107	2
SPB 112 / 1	112	1	1610	42	1	25	-	-	25	-	-	119	1.2
SPB 112 / 2	112	2	1610	42	2	44	72	-	25	19	-	119	1.7
SPB 112 / 3	112	3	1610	42	2	63	72	-	25	37	-	119	2.3
SPB 118 / 1	118	1	1610	42	1	25	78	-	25	-	-	125	1.5
SPB 118 / 2	118	2	1610	42	2	44	78	-	25	19	-	125	2
SPB 118 / 3	118	3	1610	42	2	63	78	-	25	37	-	125	2.6
SPB 125 / 1	125	1	1610	42	1	25	-	-	25	-	0	132	1.7
SPB 125 / 2	125	2	2012	50	2	44	82	-	32	12	-	132	2.1
SPB 125 / 3	125	3	2012	50	2	63	82	-	32	31	-	132	2.5
SPB 125 / 4	125	4	2012	50	3	82	82	25	32	25	-	132	3
SPB 125 / 5	125	5	2012	50	6	101	82	69	32	-	-	132	3.6
SPB 132 / 1	132	1	1610	42	1	25	-	-	25	-	0	139	2.1
SPB 132 / 2	132	2	2012	50	2	44	89	-	32	12	-	139	2.4
SPB 132 / 3	132	3	2012	50	2	63	89	-	32	31	-	139	3.1
SPB 132 / 4	132	4	2012	50	3	82	89	25	32	25	-	139	3.9
SPB 132 / 5	132	5	2517	60	6	101	89	56	45	-	-	139	4.8
SPB 140 / 1	140	1	1610	42	1	25	-	-	25	-	0	147	2.1
SPB 140 / 2	140	2	2012	50	2	44	97	-	32	12	-	147	2.7
SPB 140 / 3	140	3	2012	50	2	63	97	-	32	31	-	147	3.4
SPB 140 / 4	140	4	2517	60	3	82	100	18.5	45	18.5	-	147	3.8
SPB 140 / 5	140	5	2517	60	3	101	100	28	45	28	-	147	4.5
SPB 140 / 6	140	6	2517	60	3	120	100	37.5	45	37.5	-	147	5.4
SPB 150 / 1	150	1	1610	42	1	25	-	-	25	-	0	157	2.5
SPB 150 / 2	150	2	2012	50	2	44	107	-	32	12	-	157	3.3
SPB 150 / 3	150	3	2517	60	2	63	107	-	45	18	-	157	4
SPB 150 / 4	150	4	2517	60	3	82	107	18.5	45	18.5	-	157	4.9
SPB 150 / 5	150	5	2517	60	3	101	107	28	45	28	-	157	5.5
SPB 150 / 6	150	6	2517	60	3	120	107	37.5	45	37.5	-	157	6.3
SPB 160 / 1	160	1	1610	42	1	25	-	-	25	-	0	167	2.9
SPB 160 / 2	160	2	2012	50	2	44	117	-	32	12	-	167	3.9
SPB 160 / 3	160	3	2517	60	2	63	117	-	45	18	-	167	4.5
SPB 160 / 4	160	4	2517	60	3	82	117	18.5	45	18.5	-	167	5.8
SPB 160 / 5	160	5	2517	60	3	101	117	28	45	28	-	167	6.4
SPB 160 / 6	160	6	3020	75	3	120	117	34.5	51	34.5	-	167	7.3
SPB 160 / 8	160	8	3020	75	3	158	117	53.5	51	53.5	-	167	8
SPB 170 / 1	170	1	1610	42	1	25	-	-	25	-	0	177	3.3
SPB 170 / 2	170	2	2012	50	2	44	127	-	32	12	-	177	4.5
SPB 170 / 3	170	3	2517	60	2	63	127	-	45	18	-	177	5.8
SPB 170 / 4	170	4	2517	60	3	82	127	18.5	45	18.5	-	177	6.8
SPB 170 / 5	170	5	3020	75	3	101	127	25	51	25	-	177	6.6
SPB 170 / 6	170	6	3020	75	3	120	127	34.5	51	34.5	-	177	7.7
SPB 170 / 8	170	8	3020	75	3	158	127	53.5	51	53.5	-	177	9.2



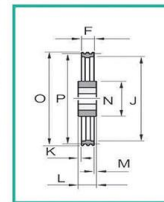
Type 1



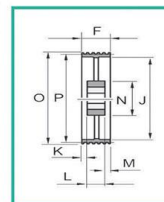
Type 2



Type 3



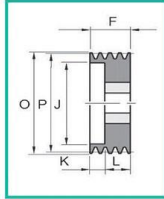
Type 4



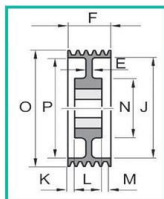
Type 5

4

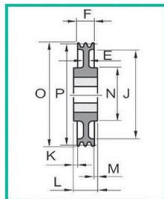
Pulleys for Taper bush B, SPB, 5V, 5VX belts



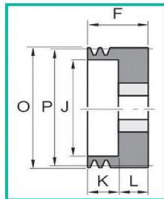
Type 6



Type 7



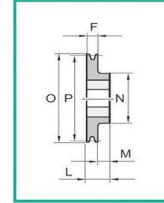
Type 8



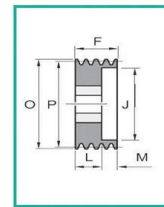
Type 9

TYPE	P	N ⁺ Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPB 180 / 1	180	1	1610	42	7	25	137	0	25	0	90	187	4
SPB 180 / 2	180	2	2517	60	1	44	-	-	45	1	117	187	4.7
SPB 180 / 3	180	3	2517	60	2	63	137	-	45	18	-	187	5.9
SPB 180 / 4	180	4	2517	60	3	82	137	18.5	45	18.5	-	187	7.7
SPB 180 / 5	180	5	3020	75	3	101	137	25	51	28	-	187	7.8
SPB 180 / 6	180	6	3020	75	3	120	137	34.5	51	34.5	-	187	8.6
SPB 180 / 8	180	8	3020	75	3	158	137	53.5	51	53.5	-	187	10
SPB 190 / 1	190	1	2012	50	8	25	147	3.5	32	3.5	104	197	4.1
SPB 190 / 2	190	2	2517	60	1	44	-	-	45	1	117	197	5
SPB 190 / 3	190	3	2517	60	2	63	147	-	45	18	-	197	6
SPB 190 / 4	190	4	2517	60	3	82	147	18.5	45	18.5	-	197	8.7
SPB 190 / 5	190	5	3020	75	3	101	147	25	51	25	-	197	9
SPB 190 / 6	190	6	3020	75	3	120	147	34.5	51	34.5	-	197	9.8
SPB 190 / 8	190	8	3020	75	3	158	147	53.5	51	53.5	-	197	13.5
SPB 200 / 1	200	1	2012	50	8	25	157	3.5	32	3.5	104	207	4.1
SPB 200 / 2	200	2	2517	60	1	44	-	-	45	1	117	207	5.3
SPB 200 / 3	200	3	2517	60	7	63	157	0	45	18	117	207	6.4
SPB 200 / 4	200	4	3020	75	3	82	157	15.5	51	18.5	-	207	9.5
SPB 200 / 5	200	5	3020	75	3	101	157	25	51	25	-	207	10.6
SPB 200 / 6	200	6	3020	75	3	120	157	34.5	51	34.5	-	207	11
SPB 200 / 8	200	8	3525	90	3	158	157	47	64	47	-	207	15.3
SPB 212 / 1	212	1	2012	50	8	25	169	3.5	32	3.5	104	219	5
SPB 212 / 2	212	2	2517	60	1	44	-	-	45	1	117	219	5.9
SPB 212 / 3	212	3	2517	60	7	63	169	0	45	18	117	219	6.9
SPB 212 / 4	212	4	3020	75	3	82	169	15.5	51	15.5	-	219	9.6
SPB 212 / 5	212	5	3020	75	3	101	169	25	51	25	-	219	10.6
SPB 212 / 6	212	6	3525	90	3	120	169	28	65	28	-	219	15.6
SPB 212 / 8	212	8	3525	90	3	158	169	47	64	47	-	219	17.9
SPB 224 / 2	224	2	2517	60	8	44	181	1	45	0	117	231	5.6
SPB 224 / 3	224	3	2517	60	7	63	181	0	45	18	117	231	7.4
SPB 224 / 4	224	4	3020	75	3	82	181	15.5	51	15.5	-	231	9.6
SPB 224 / 5	224	5	3020	75	3	101	181	25	51	25	-	231	12.4
SPB 224 / 6	224	6	3525	90	3	120	181	28	64	28	-	231	17
SPB 224 / 8	224	8	3525	90	3	158	181	47	64	47	-	231	20.6
SPB 236 / 2	236	2	2517	60	8	44	193	1	45	0	117	243	6.9
SPB 236 / 3	236	3	2517	60	7	63	193	0	45	18	117	243	7.8
SPB 236 / 4	236	4	3020	75	3	82	193	15.5	51	15.5	-	243	10
SPB 236 / 5	236	5	3525	90	3	101	193	18.5	64	18.5	-	243	19.3
SPB 236 / 6	236	6	3525	90	3	120	193	28	64	28	-	243	20.2
SPB 236 / 8	236	8	3525	90	3	158	193	47	64	47	-	243	23.9
SPB 250 / 2	250	2	2517	60	8	44	207	1	45	0	117	257	6.9
SPB 250 / 3	250	3	3020	60	7	63	207	0	51	12	144	257	9.1
SPB 250 / 4	250	4	3020	75	7	82	207	15.5	51	15.5	144	257	11.1
SPB 250 / 5	250	5	3525	90	3	101	207	18.5	64	18.5	-	257	19.7
SPB 250 / 6	250	6	3525	90	3	120	207	28	64	28	-	257	21
SPB 250 / 8	250	8	3525	90	3	158	207	47	64	47	-	257	24.7

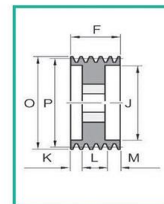
TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPB 280 / 2	280	2	2517	60	8	44	237	1	45	-	117	287	8.5
SPB 280 / 3	280	3	3020	75	7	63	237	6	51	6	144	287	11
SPB 280 / 4	280	4	3020	75	7	82	237	15.5	51	15.5	144	287	12.8
SPB 280 / 5	280	5	3525	90	7	101	237	18	65	18	187	287	19.7
SPB 280 / 6	280	6	3525	90	-	120	237	28	65	28	187	287	22.2
SPB 280 / 8	280	8	3525	90	7	158	237	46.5	65	46.5	187	287	24.9
SPB 300 / 2	300	2	2517	60	8	44	257	1	45	-	117	307	9.2
SPB 300 / 3	300	3	3020	75	7	63	257	6	51	6	144	307	15
SPB 300 / 4	300	4	3020	75	7	82	257	15.5	51	15.5	144	307	21.2
SPB 300 / 5	300	5	3525	90	7	101	257	18	65	18	187	307	24.1
SPB 300 / 6	300	6	3525	90	7	120	257	28	65	28	187	307	27.5
SPB 300 / 8	300	8	3525	90	7	158	257	46.5	65	46.5	187	307	25.3
SPB 315 / 2	315	2	2517	60	8	44	272	1	45	-	117	322	9.8
SPB 315 / 3	315	3	3020	75	7	63	272	6	51	6	144	322	12.4
SPB 315 / 4	315	4	3525	75	7	82	272	8.5	65	8.5	187	322	19.9
SPB 315 / 5	315	5	3525	90	7	101	272	18	65	18	187	322	21.5
SPB 315 / 6	315	6	3525	90	7	120	272	28	65	28	187	322	24.6
SPB 315 / 8	315	8	3525	90	7	158	272	46.5	65	46.5	187	322	28.6
SPB 335 / 2	335	2	2517	65	8	44	292	1	45	-	117	342	10.3
SPB 335 / 3	335	3	3020	75	7	63	292	6	51	6	144	342	12.9
SPB 335 / 4	335	4	3525	90	8	82	292	8.5	65	8.5	187	342	23.2
SPB 335 / 5	335	5	3525	90	7	101	292	18	65	18	187	342	25.8
SPB 335 / 6	335	6	3525	90	7	120	292	27.5	65	27.5	187	342	26.9
SPB 335 / 8	335	8	3525	90	7	158	292	46.5	65	46.5	187	342	31.5
SPB 355 / 2	355	2	3020	75	4	44	312	3.5	51	3.5	144	362	10.4
SPB 355 / 3	355	3	3020	75	8	63	312	6	51	6	144	362	13.1
SPB 355 / 4	355	4	3525	90	7	82	312	8.5	65	8.5	187	362	20.5
SPB 355 / 5	355	5	3525	90	5	101	312	18	65	18	187	362	24.2
SPB 355 / 6	355	6	3525	90	7	120	312	27.5	65	27.5	187	362	27
SPB 355 / 8	355	8	3525	90	7	158	312	46.5	65	46.5	187	362	32
SPB 400 / 2	400	2	3020	75	4	44	357	3.5	51	3.5	144	407	11.5
SPB 400 / 3	400	3	3525	90	4	63	357	1	65	1	187	407	19.7
SPB 400 / 4	400	4	3525	90	7	82	357	8.5	65	8.5	187	407	22.3
SPB 400 / 5	400	5	3525	90	5	101	357	18	65	18	187	407	25.7
SPB 400 / 6	400	6	3525	90	5	120	357	27.5	65	27.5	187	407	28.3
SPB 400 / 8	400	8	3525	90	5	158	357	46.5	65	46.5	187	407	34.7
SPB 450 / 2	450	2	3020	75	4	44	407	3.5	51	3.5	144	457	14.5
SPB 450 / 3	450	3	3525	90	4	63	407	1	65	1	187	457	23
SPB 450 / 4	450	4	3525	90	7	82	407	8.5	65	8.5	187	457	25.7
SPB 450 / 5	450	5	3525	90	5	101	407	18	65	18	187	457	29
SPB 450 / 6	450	6	3525	90	5	120	407	27.5	65	27.5	187	457	37.8
SPB 450 / 8	450	8	3525	90	5	158	407	46.5	65	46.5	187	457	41.4



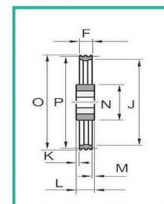
Type 1



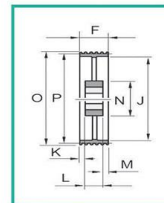
Type 2



Type 3



Type 4

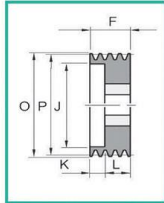


Type 5

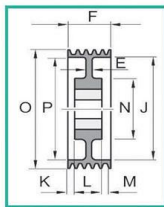
4

Pulleys for Taper bush

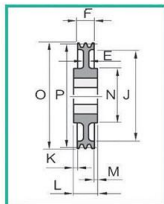
B , SPB , 5V , 5VX belts



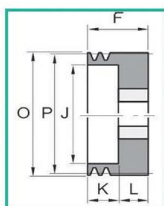
Type 6



Type 7



Type 8



Type 9

TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPB 500 / 2	500	2	3020	75	4	44	457	3.5	51	3.5	144	507	16.3
SPB 500 / 3	500	3	3525	90	4	63	457	1	65	1	187	507	24
SPB 500 / 4	500	4	3525	90	7	82	457	8.5	65	8.5	187	507	29
SPB 500 / 5	500	5	3525	90	5	101	457	18	65	18	187	507	33.8
SPB 500 / 6	500	6	3525	90	5	120	457	27.5	65	27.5	187	507	41.5
SPB 500 / 8	500	8	3525	90	5	158	457	46.5	65	46.5	187	507	48
SPB 560 / 2	560	2	3020	75	4	44	517	3.5	51	3.5	144	567	24.8
SPB 560 / 3	560	3	3525	90	4	63	517	1	65	1	187	567	33.7
SPB 560 / 4	560	4	3525	90	7	82	517	8.5	65	8.5	187	567	40.6
SPB 560 / 5	560	5	3525	90	5	101	517	18	65	18	187	567	48.5
SPB 560 / 6	560	6	3525	90	5	120	517	27.5	65	27.5	187	567	57
SPB 560 / 8	560	8	4030	100	5	158	517	41	76	41	216	567	71.2
SPB 630 / 2	630	2	3020	75	4	44	587	3.5	51	3.5	144	637	27
SPB 630 / 3	630	3	3525	90	4	63	587	1	65	1	187	637	33.1
SPB 630 / 4	630	4	3525	90	7	82	587	8.5	65	8.5	187	637	41.5
SPB 630 / 5	630	5	3525	90	5	101	587	18	65	18	187	637	53
SPB 630 / 6	630	6	3525	90	5	120	587	27.5	65	27.5	187	637	62
SPB 630 / 8	630	8	4030	100	5	158	587	41	76	41	216	637	90
SPB 710 / 3	710	3	3525	90	4	63	664	1	65	1	187	717	39.2
SPB 710 / 4	710	4	4030	100	7	82	664	3.5	76	3.5	216	717	57
SPB 710 / 5	710	5	4030	100	5	101	664	12.5	76	12.5	216	717	62
SPB 710 / 6	710	6	4535	110	5	120	664	15.5	89	15.5	242	717	63
SPB 710 / 8	710	8	4535	110	5	158	664	34.3	89	34.3	242	717	91
SPB 800 / 3	800	3	3525	90	4	63	754	1	65	1	187	807	47
SPB 800 / 4	800	4	4030	100	7	82	754	3.5	76	3.5	216	807	68
SPB 800 / 5	800	5	4030	100	5	101	754	12.5	76	12.5	216	807	75.5
SPB 800 / 6	800	6	4535	110	5	120	754	15.5	89	15.5	242	807	93
SPB 800 / 8	800	8	4535	110	5	158	754	34.5	89	34.5	242	807	98
SPB 900 / 3	900	3	4030	90	4	63	854	6.5	76	6.5	216	907	79
SPB 900 / 4	900	4	4030	100	7	82	854	3	76	3	216	907	83
SPB 900 / 5	900	5	4535	110	5	101	854	6	89	6	242	907	85
SPB 900 / 6	900	6	4535	110	5	120	854	15.5	89	15.5	242	907	100
SPB 900 / 8	900	8	4535	110	5	158	854	34.5	89	34.5	242	907	118
SPB 1000 / 3	1000	3	4030	100	4	63	954	6.5	76	6.5	216	1007	80
SPB 1000 / 4	1000	4	4030	100	7	82	954	3	76	3	216	1007	83
SPB 1000 / 5	1000	5	4535	110	5	101	954	6	89	6	242	1007	88
SPB 1000 / 6	1000	6	4535	110	5	120	954	15.5	89	15.5	242	1007	115
SPB 1000 / 8	1000	8	4535	110	5	158	954	34.5	89	34.5	242	1007	137

4

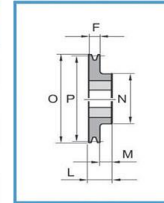
- وزن های اعلام شده ، تقریبی می باشد.

- سفارشات خارج از ابعاد استاندارد، شامل هزینه اضافی و زمان تحویل طولانی تر خواهد بود.

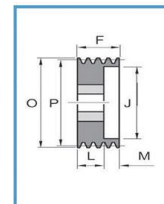
- توانایی تولید تا قطر ۱۶۰۰ میلیمتر

Pulleys for Taper bush C, SPC, SPCX belts

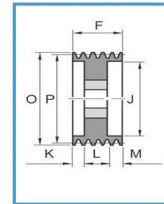
TYPE	P	N ² Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPC 200 / 3	200	3	2517	65	3	85	144	20	45	20	-	209.6	10
SPC 200 / 4	200	4	3020	75	3	111	144	30	51	30	-	209.6	12
SPC 200 / 5	200	5	3525	90	3	136	144	35.5	65	35.5	-	209.6	16
SPC 200 / 6	200	6	3535	90	3	162	144	36.5	89	36.5	-	209.6	19
SPC 200 / 8	200	8	3535	90	3	213	144	62	89	62	-	209.6	22
SPC 212 / 3	212	3	3020	75	3	85	156	17	51	17	-	221.6	11
SPC 212 / 4	212	4	3020	75	3	111	156	30	51	30	-	221.6	13.5
SPC 212 / 5	212	5	3525	90	3	136	156	35.5	65	35.5	-	221.6	17
SPC 212 / 6	212	6	3535	90	3	162	156	36.5	89	36.5	-	221.6	21
SPC 212 / 8	212	8	3535	90	3	213	156	62	89	62	-	221.6	25
SPC 224 / 3	224	3	3020	75	3	85	168	17	51	17	-	233.6	12
SPC 224 / 4	224	4	3525	90	3	111	168	23	65	23	-	233.6	15
SPC 224 / 5	224	5	3525	90	3	136	168	35.5	65	35.5	-	233.6	19
SPC 224 / 6	224	6	3535	90	3	162	168	36.5	89	36.5	-	233.6	24
SPC 224 / 8	224	8	3535	90	3	213	168	62	89	62	-	233.6	27
SPC 236 / 3	236	3	3020	75	3	85	180	17	51	17	-	245.6	14
SPC 236 / 4	236	4	3525	90	3	111	180	23	65	23	-	245.6	19.5
SPC 236 / 5	236	5	3525	90	3	136	180	35.5	65	35.5	-	245.6	21.8
SPC 236 / 6	236	6	3535	90	3	162	180	36.5	89	36.5	-	245.6	24.4
SPC 236 / 8	236	8	3535	90	3	213	180	62	89	62	-	245.6	29.7
SPC 250 / 3	250	3	3020	75	3	85	194	17	51	17	-	259.6	15
SPC 250 / 4	250	4	3525	90	3	111	194	23	65	23	-	259.6	24
SPC 250 / 5	250	5	3525	90	3	136	194	35.5	65	35.5	-	259.6	25.6
SPC 250 / 6	250	6	3535	90	3	162	194	36.5	89	36.5	-	259.6	28.6
SPC 250 / 8	250	8	3535	90	3	213	194	62	89	62	-	259.6	33.8
SPC 250 / 10	250	10	4040	100	3	264	194	81	102	81	-	259.6	49
SPC 265 / 3	265	3	3525	90	3	85	209	10	65	10	-	274.6	15
SPC 265 / 4	265	4	3525	90	3	111	209	23	65	23	-	274.6	26
SPC 265 / 5	265	5	3525	90	3	136	209	35.5	65	35.5	-	274.6	38.4
SPC 265 / 6	265	6	3535	90	3	162	209	36.5	89	36.5	-	274.6	32
SPC 265 / 8	265	8	3535	90	3	213	209	62	89	62	-	274.6	38
SPC 280 / 3	280	3	3525	90	3	85	224	10	65	10	-	289.6	16
SPC 280 / 4	280	4	3525	90	3	111	224	23	65	23	-	289.6	31
SPC 280 / 5	280	5	3525	90	3	136	224	35.5	65	35.5	-	289.6	31
SPC 280 / 6	280	6	3535	90	3	162	224	36.5	89	36.5	-	289.6	33
SPC 280 / 8	280	8	3535	90	3	213	224	62	89	62	-	289.6	42
SPC 280 / 10	280	10	4040	100	3	264	224	81	102	81	-	289.6	54
SPC 300 / 3	300	3	3525	90	3	85	244	10	65	10	-	309.6	25
SPC 300 / 4	300	4	3525	90	7	111	244	23	65	23	187	309.6	32
SPC 300 / 5	300	5	3525	90	7	136	244	35.5	65	35.5	187	309.6	32
SPC 300 / 6	300	6	3535	90	7	162	244	36.5	89	36.5	187	309.6	33.3
SPC 300 / 8	300	8	4040	100	3	213	244	55.5	102	55.5	216	309.6	47
SPC 300 / 10	300	10	4545	110	3	264	244	75	114	75	-	309.6	68



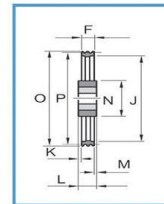
Type 1



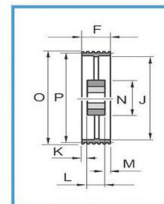
Type 2



Type 3



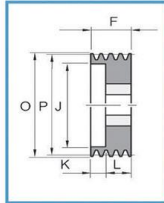
Type 4



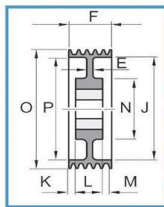
Type 5

5

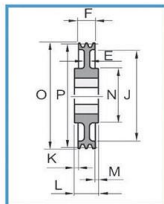
Pulleys for Taper bush C, SPC, SPCX belts



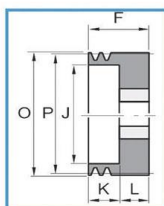
Type 6



Type 7



Type 8

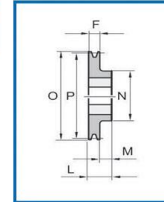


Type 9

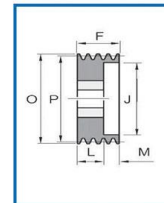
TYPE	P	N [*] Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPC 315 / 3	315	3	3525	90	3	85	259	10	65	10	187	324.6	25
SPC 315 / 4	315	4	3525	90	7	111	259	23	65	23	187	324.6	32
SPC 315 / 5	315	5	3525	90	7	136	259	35.5	65	35.5	187	324.6	30
SPC 315 / 6	315	6	3535	90	7	162	259	36.5	89	36.5	187	324.6	45.5
SPC 315 / 8	315	8	4040	100	3	213	259	55.5	102	55.5	-	324.6	47
SPC 315 / 10	315	10	4545	110	3	264	259	75	114	75	-	324.6	61
SPC 335 / 3	335	3	3525	90	7	85	279	10	65	10	187	344.6	25
SPC 335 / 4	335	4	3525	90	7	111	279	23	65	23	187	344.6	32
SPC 335 / 5	335	5	3525	90	7	136	279	35.5	65	35.5	187	344.6	34.3
SPC 335 / 6	335	6	3535	90	7	162	279	36.5	89	36.5	187	344.6	45
SPC 335 / 8	335	8	4040	100	7	213	279	55.5	102	55.5	216	344.6	50.5
SPC 355 / 3	355	3	3525	90	7	85	299	10	65	10	187	364.6	25
SPC 355 / 4	355	4	3525	90	7	111	299	23	65	23	187	364.6	32
SPC 355 / 5	355	5	3525	90	7	136	299	35.5	65	35.5	187	364.6	39
SPC 355 / 6	355	6	3535	90	7	162	299	36.5	89	36.5	187	364.6	45
SPC 355 / 8	355	8	4040	100	7	213	299	55.5	102	55.5	216	364.6	55
SPC 355 / 10	355	10	4545	110	7	264	299	75	114	75	242	364.6	68
SPC 375 / 3	375	3	3525	90	7	85	319	10	65	10	187	384.6	29
SPC 375 / 4	375	4	3525	90	7	111	319	23	65	23	187	384.6	38
SPC 375 / 5	375	5	3525	90	7	136	319	35.5	65	35.5	187	384.6	41
SPC 375 / 6	375	6	4040	100	7	162	319	30	102	30	216	384.6	58
SPC 375 / 8	375	8	4545	110	7	213	319	49.5	114	49.5	242	384.6	71
SPC 400 / 3	400	3	3525	90	5	85	344	10	65	10	187	409.6	33
SPC 400 / 4	400	4	3525	90	5	111	344	23	65	23	187	409.6	34
SPC 400 / 5	400	5	3535	90	5	136	344	35.5	65	35.5	187	409.6	45.5
SPC 400 / 6	400	6	4040	100	7	162	344	30	103	30	216	409.6	47
SPC 400 / 8	400	8	4545	110	7	213	344	49.5	114	49.5	242	409.6	76
SPC 400 / 10	400	10	5050	125	7	264	344	68.5	127	68.5	267	409.6	92
SPC 425 / 3	425	3	3525	90	5	85	369	10	65	10	187	434.6	37
SPC 425 / 4	425	4	3535	90	5	111	369	23	89	11	187	434.6	42
SPC 425 / 5	425	5	4040	100	5	136	369	17	102	17	216	434.6	56
SPC 425 / 6	425	6	4545	110	7	162	369	24	114	24	242	434.6	69
SPC 425 / 8	425	8	5050	125	7	213	369	43	127	43	267	434.6	90
SPC 450 / 3	450	3	3525	90	5	85	394	10	65	10	187	459.6	33
SPC 450 / 4	450	4	3535	90	5	111	394	23	89	23	187	459.6	38.5
SPC 450 / 5	450	5	4040	100	5	136	394	17	102	17	216	459.6	54.5
SPC 450 / 6	450	6	4545	110	7	162	394	24	114	24	242	459.6	61
SPC 450 / 8	450	8	5050	125	7	213	394	43	127	43	267	459.6	84
SPC 450 / 10	450	10	5050	125	7	264	394	68.5	127	68.5	267	459.6	107
SPC 475 / 3	475	3	3525	90	5	85	419	10	65	10	187	484.6	40
SPC 475 / 4	475	4	3535	90	5	111	419	23	89	11	187	484.6	52
SPC 475 / 5	475	5	4040	100	5	136	419	17	102	17	216	484.6	68
SPC 475 / 6	475	6	4545	110	7	162	419	24	114	24	242	484.6	83
SPC 475 / 8	475	8	5050	125	7	213	419	43	127	43	267	484.6	98

Pulleys for Taper bush C, SPC, SPCX belts

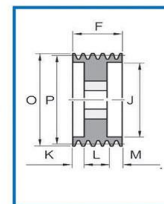
TYPE	P	N ^o Grooves	BUSH	Max Bore	Pulley Type	F	J	K	L	M	N	Outside dia (O)	Weight (kg)
SPC 500 / 3	500	3	3535	90	4	85	444	2	89	2	187	509.6	40
SPC 500 / 4	500	4	3535	90	5	111	444	11	89	11	187	509.6	53.5
SPC 500 / 5	500	5	4040	100	5	136	444	17	102	17	216	509.6	60
SPC 500 / 6	500	6	4545	110	5	162	444	24	114	24	242	509.6	69
SPC 500 / 8	500	8	5050	125	7	213	444	43	127	43	267	509.6	90
SPC 500 / 10	500	10	5050	125	7	264	444	68.5	127	68.5	267	509.6	105
SPC 530 / 3	530	3	3535	90	4	85	474	2	89	2	187	539.6	53
SPC 530 / 4	530	4	3535	90	5	111	474	11	89	11	187	539.6	60
SPC 530 / 5	530	5	4040	100	5	136	474	17	102	17	216	539.6	71
SPC 530 / 6	530	6	4545	110	5	162	474	24	114	24	242	539.6	86
SPC 530 / 8	530	8	5050	125	7	213	474	43	127	43	267	539.6	118
SPC 560 / 3	560	3	3535	90	4	85	504	2	89	2	187	569.6	45
SPC 560 / 4	560	4	4040	100	5	111	504	4.5	102	4.5	216	569.6	61
SPC 560 / 5	560	5	4545	110	5	136	504	11	114	11	242	569.6	64
SPC 560 / 6	560	6	5050	125	5	162	504	17.5	127	17.5	267	569.6	86
SPC 560 / 8	560	8	5050	125	5	213	504	43	127	43	267	569.6	107
SPC 560 / 10	560	10	5050	125	5	264	504	68.5	127	68.5	267	569.6	123
SPC 630 / 3	630	3	4040	100	4	85	574	8.5	102	8.5	216	639.6	57
SPC 630 / 4	630	4	4545	110	4	111	574	1.5	114	1.5	242	639.6	68
SPC 630 / 5	630	5	5050	125	5	136	574	4.5	127	4.5	267	639.6	100
SPC 630 / 6	630	6	5050	125	5	162	574	17.5	127	17.5	267	639.6	114
SPC 630 / 8	630	8	5050	125	5	213	574	43	127	43	267	639.6	139
SPC 630 / 10	630	10	5050	125	5	264	574	68.5	127	68.5	267	639.6	139
SPC 710 / 3	710	3	4040	100	4	85	654	8.5	102	8.5	216	719.6	67
SPC 710 / 4	710	4	4545	110	4	111	654	1.5	114	1.5	242	719.6	80
SPC 710 / 5	710	5	5050	125	5	136	654	4.5	127	4.5	267	719.6	101
SPC 710 / 6	710	6	5050	125	5	162	654	17.5	127	17.5	267	719.6	115
SPC 710 / 8	710	8	5050	125	5	213	654	43	127	43	267	719.6	138
SPC 710 / 10	710	10	5050	125	5	264	654	68.5	127	68.5	267	719.6	157
SPC 800 / 3	800	3	4545	110	4	85	737	4	114	25	242	809.6	82
SPC 800 / 4	800	4	5050	125	4	111	737	4	127	12	267	809.6	120
SPC 800 / 5	800	5	5050	125	5	136	737	4.5	127	4.5	267	809.6	132
SPC 800 / 6	800	6	5050	125	5	162	737	17.5	127	17.5	267	809.6	136
SPC 800 / 8	800	8	5050	125	5	213	737	43	127	43	267	809.6	154
SPC 800 / 10	800	10	5050	125	5	264	737	68.5	127	68.5	267	809.6	171
SPC 1000 / 3	1000	3	5050	125	4	85	937	8	127	34	267	1009.6	110
SPC 1000 / 4	1000	4	5050	125	4	111	937	4	127	12	267	1009.6	139
SPC 1000 / 5	1000	5	5050	125	5	136	937	4.5	127	4.5	267	1009.6	133
SPC 1000 / 6	1000	6	5050	125	5	162	937	17.5	127	17.5	267	1009.6	158
SPC 1000 / 8	1000	8	5050	125	5	213	937	43	127	43	267	1009.6	206
SPC 1000 / 10	1000	10	5050	125	5	264	937	68.5	127	68.5	267	1009.6	223



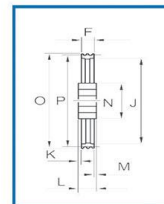
Type 1



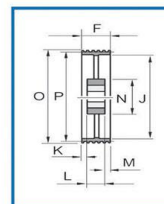
Type 2



Type 3



Type 4



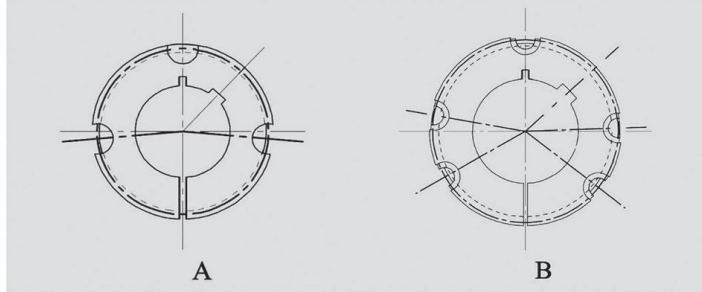
Type 5

5

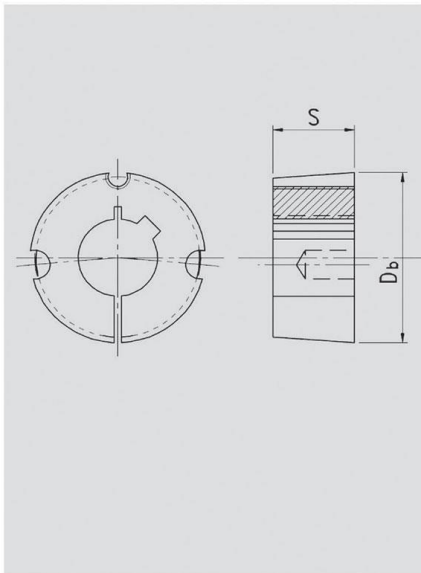
- وزن های اعلام شده ، تقریبی می باشد.
 - سفارشات خارج از ابعاد استاندارد، شامل هزینه اضافی و زمان تحویل طولانی تر خواهد بود.
 - توانایی تولید پولی تا قطر ۱۶۰۰ میلیمتر



Taper Bush

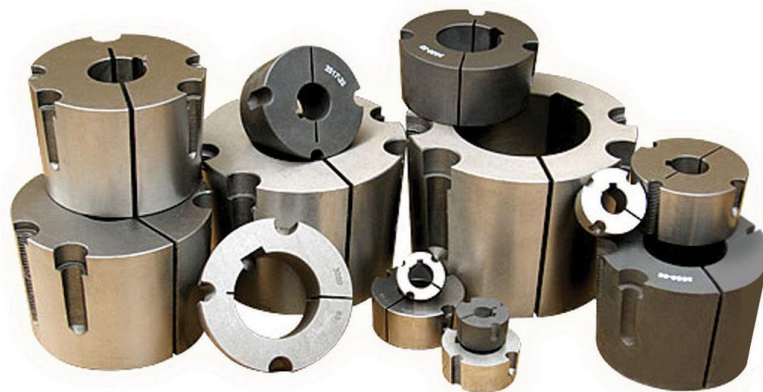


Taper Lock Bush



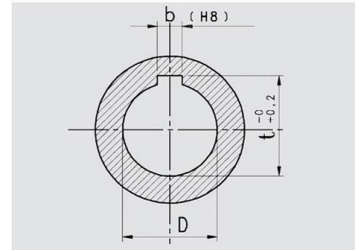
Designation	S (mm)	Db (mm)	Screw B.S.W	qty	Torque (Nm)	Weight (kg)
1008 A	22.3	35.0	1/4" x 1/2"	2	5.6	0.1
1108 A	22.3	38.0	1/4" x 1/2"	2	5.6	0.1
1210 A	25.4	47.5	3/8" x 5/8"	2	20.0	0.2
1215 A	38.1	47.5	3/8" x 5/8"	2	20.0	0.25
1610 A	25.4	57.0	3/8" x 5/8"	2	20.0	0.3
1615 A	38.1	57.0	3/8" x 5/8"	2	20.0	0.5
2012 A	32.0	70.0	7/16" x 7/8"	2	30.0	0.7
2517 A	44.5	85.5	1/2" x 1"	2	50.0	1.5
3020 A	50.8	108.0	5/8" x 1"1/4	2	90.0	2.7
3030 A	76.2	108.0	5/8" x 1"1/4	2	90.0	3.6
3525 B	63.6	127.0	1/2" x 1"1/2	3	115.0	3.8
3535 B	88.9	127.0	1/2" x 1"1/2	3	115.0	5.0
4030 B	76.2	146.0	5/8" x 1"1/4	3	170.0	5.6
4040 B	101.6	146.0	5/8" x 1"3/4	3	170.0	7.7
4535 B	89.0	162.0	3/4" x 2"	3	190.0	7.5
4545 B	114.0	162.0	3/4" x 2"	3	190.0	10.0
5040 B	102.0	178.0	7/8" x 2"1/4	3	270.0	11.1
5050 B	127.0	178.0	7/8" x 2"1/4	3	270.0	14.0

6





Taper Lock mm Bushes



Keyways for Metric Bores

DIN 6885 - ISO R773

Bore ØD	mm b	mm t	1008	1108	1210	1215	1610	1615	2012	2517	3020	3030	3525	3535	4030	4040	4535	4545	5040	5050	
10	3	D+1.4																			
11	4	D+1.8																			
12	4	D+1.8																			
14	5	D+2.3																			
16	5	D+2.3																			
18	6	D+2.8																			
19	6	D+2.8																			
20	6	D+2.8																			
22	6	D+2.8																			
24	8	D+3.3		*																	
25	8	D+3.3		*																	
28	8	D+3.3			*																
30	8	D+3.3																			
32	10	D+3.3																			
35	10	D+3.3																			
38	10	D+3.3																			
40	12	D+3.3																			
42	12	D+3.3																			
45	14	D+3.8																			
48	14	D+3.8																			
50	14	D+3.8																			
55	16	D+4.3																			
60	18	D+4.4																			
65	18	D+4.4																			
70	20	D+4.9																			
75	20	D+4.9																			
80	22	D+5.4																			
85	22	D+5.4																			
90	25	D+5.4																			
95	25	D+5.4																			
100	28	D+6.4																			
105	28	D+6.4																			
110	28	D+6.4																			
115	32	D+7.4																			
120	32	D+7.4																			
125	32	D+7.4																			

7

مواردیکه با علامت * مشخص شده است خارج از استاندارد DIN 6885 میباشد .

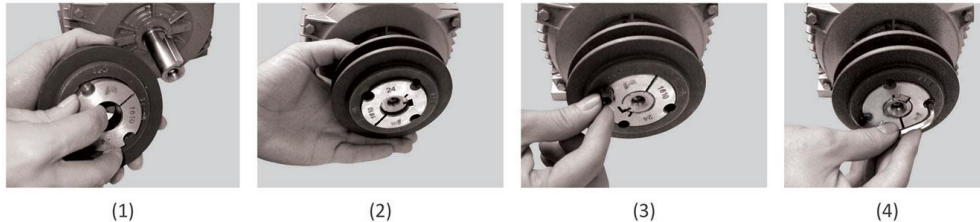


To Install :

- 1- After ensuring that mating tapered surfaces are completely clean and free from oil and dirt, insert bush in pulley so that holes line up.
- 2 - Sparingly oil thread screws. place screws loosley in threaded holes, as shown in picture.
- 3 - Clean shaft and fit pulley-bush assembly to shaft and locate in position desired . Remember that bush will nip the shaft first and then the pulley.
- 4 - Using a hexagon wrench tighten screws gradually and alternately to torque shown on tabe page 19.
- 5 - hammer against large-end of bush, using a block or sleeve to prevent damage. (This will ensure that the bush is seated squarely in place).
- 6 - If a key is to be fitted, place it in the shaft key way before fitting the bush .
- 7 - After a short time of running, check tightness of screws
- 8 - Fill empty holes with grease exclude dirt .

نصب کردن :

- ۱ - پس از اطمینان از تمیزی سطوح جفت شونده و عاری بودن آنها از روغن و گرد و غبار ، بوش را به گونه ای وارد پولی کنید که سوراخ ها در امتداد هم قرار گیرند .
- ۲ - دندانچه پیچها را کمی روغنی کنید و پیچها را در محل سوراخ ها چنانکه در تصویر نشان داده شده ، شل ببندید .
- ۳ - شفت را تمیز کنید و مجموعه پولی و بوش را بر روی شفت نصب کنید و در محل مورد نظر قرار دهید . به یاد داشته باشید که نیروی وارده بیشتر بر روی بوش و بعد روی پولی باشد .
- ۴ - با استفاده از آچار آلن پیچها را به تدریج و یکی پس از دیگری تا رسیدن به گشتاور درج شده طبق جدول صفحه ۱۹ محکم کنید .
- ۵ - به منظور پیشگیری از صدمه با استفاده از یک بلوک یا غلاف ، قسمت بزرگ بوش را بکوبید . (این امر ، محکم شدن بوش در جای خود را تضمین میکند .) اکنون پیچها میتوانند کمی بیشتر سفت شوند . کوبیدن بوش و سفت کردن پیچها را یکی دو بار دیگر تکرار کنید تا از محکم شدن بوش روی شفت مطمئن شوید .
- ۶ - اگر قرار است خار نصب شود ، قبل از نصب کردن بوش آن را در جای خود قرار دهید .
- ۷ - پس از زمان کوتاهی کار کردن ، سفتی پیچها را مجدداً امتحان کنید .
- ۸ - سوراخهای خالی را با گریس پر کنید تا جلوی ورود گرد و غبار گرفته شود .



(1)

(2)

(3)

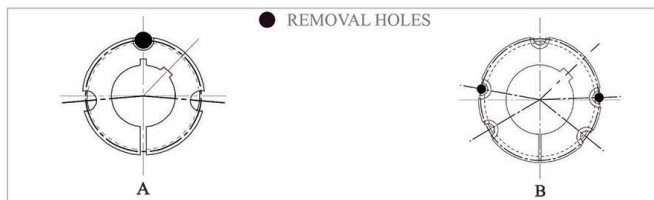
(4)

To Remove :

Slacken all screws and remove one or two according to number of removal holes as show in the drawing . Insert screws into removal holes after having oiled them . Tighten screws alternately until bush is loosened in hub and assembly free from shaft . Remove assembly from shaft .

باز کردن :

تمام پیچها را شل کنید . یک یا دو پیچ را بر حسب اینکه سوراخهای باز کردن یکی یا دو تا (مطابق شکل) باشد باز کنید . پیچها را روغنکاری کرده ، این بار داخل سوراخهای مخصوص باز کردن قرار دهید . پیچها را یکی بعد از دیگری به تناوب سفت کنید تا بوش در جای خود شل شود . سپس مجموعه را از شفت باز کنید .



Pulley balance

All V-belt pulley are balanced to ISO specifications 254 and 1940; quality is G6.3 at max, rim speed of 30 m/s within of 5 gr , 0.2% of the equivalent pulley mass .

تمام پولی های شیار V مطابق مشخصات ایزو ۲۵۴ و ایزو ۱۹۴۰ بالانس میشوند . در سرعت حداکثر ۳۰ متر بر ثانیه با گرید ISO G6.3 در محدوده ۵ گرم تا ۰.۲٪ جرم معادل پولی .

Pulley diameter	Pulley face	Max unbalance
200 ~ 300	63	6
300 ~ 600		10
200 ~ 300	63 ~ 100	10
300 ~ 600		15
600 ~ 1000		20
> 1000		30
200 ~ 300	100 ~ 200	20
300 ~ 600		30
600 ~ 1000		40
> 1000		60
200 ~ 300	> 200	30
300 ~ 600		45
600 ~ 1000		60
> 1000		90

مقایسه با (DIN 7168 T1(5.81)		تولرانس طول							
درجه تولرانس	از 5.0 تا 3	از 3 تا 6	از 6 تا 30	از 30 تا 120	از 120 تا 400	از 400 تا 1000	از 1000 تا 2000	از 2000 تا 4000	از 4000 تا 8000
f (ظریف)	±0,05	±0,05	±0,1	±0,15	±0,2	±0,3	±0,5	±0,8	-
m (متوسط)	±0,1	±0,1	±0,2	±0,3	±0,5	±0,8	±1,2	±2	±3
g (خشن)	±0,15	±0,2	±0,5	±0,8	±1,2	±2	±3	±4	±5
gg (خیلی خشن)	-	±0,5	±1	±1,5	±2	±3	±4	±6	±8

Tolerances

Max difference among the pitch diameter of grooves of the same pulley:
0.4 mm for SPZ - SPA - SPB
0.6 mm for SPC

حداکثر اختلاف بین قطرگام های شیارهای یک پولی :
0.4 میلیمتر برای SPZ - SPA - SPB
0.6 میلیمتر برای SPC

● Max tolerance of pitch diameter Dp

● تولرانس قطر گام Dp

□ Tolerance of eccentricity concerning the outside diameter
Tolerance of lateral oscillation concerning the pitch diameter

□ تولرانس خارج از مرکز مربوط به قطر خارجی
تولرانس نوسان جانبی مربوط به قطر گام

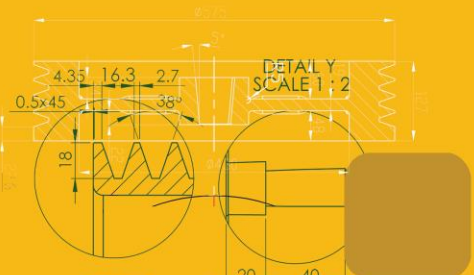
Dp (mm)	50	56	63	71	80	90	100	112	118	125	132	140	150	160	180	190	200	212
* (mm) +	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
* (mm) -	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7
□ (mm)	0.2						0.3						0.4					

Dp (mm)	224	236	250	280	300	315	355	400	450	500	560	630	710	800	900	1000	1120	1250	
* (mm) +	1.8	1.9	2.0	2.2	2.4	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.7	6.4	7.2	8.0	9.0	10.0	
* (mm) -	1.8	1.9	2.0	2.2	2.4	2.5	2.8	3.2	3.6	4.0	4.5	5.0	5.7	6.4	7.2	8.0	9.0	10.0	
□ (mm)	0.4			0.5					0.6				0.8			1			

9







کارخانه: شهریار رو-روی، ویرج، مجتمع صنعتی
 مصطفی خمینی شماره ۹
 تلفن: ۶۵۷۶۷۹۰۰ - ۶۵۷۶۷۹۰۲ - ۶۵۷۶۵۴۳۱
 فاکس: ۶۵۷۶۵۴۴۴

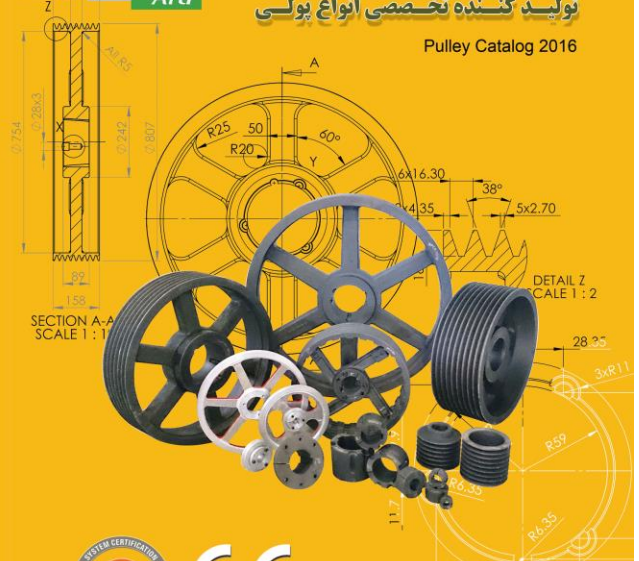
Tel: +98 21 65767902
 +98 21 65767900
 Fax: +98 21 65765424
 www.hamarakara.net
 info@hamarakara.net



شرکت هم آرا کارا

تولید کننده تخصصی انواع پولی

Pulley Catalog 2016



Pulley with Taper Bush





Technical Engineering Group

Pulley Catalog - 2016



Manufacturer of Aluminium and cast iron pulley. and industrial accessories



تولید پولی الومینیومی دو تکه لبه دار



تولید پولی تا قطر ۱۶۰۰ میلیمتر با دستگاه های کاروسل ، تراش CNC

این نسخه کاتالوگ، پنجمین نسخه ویکی از کامل ترین نسخه ها، در زمینه اطلاعات فنی پولی های گوه ای، قفل شو (PULLEY WITH TAPER BUSH LOCK) که توسط گروه فنی و مهندسی هم آرا ، در اختیار صنایع کشور قرار میگیرد . علاوه بر این بامراجعه به سایت hamarakara.net ودانلود نرم افزار انتخاب پولی ،می توان پولی های مورد نیاز خود را انتخاب نمود .

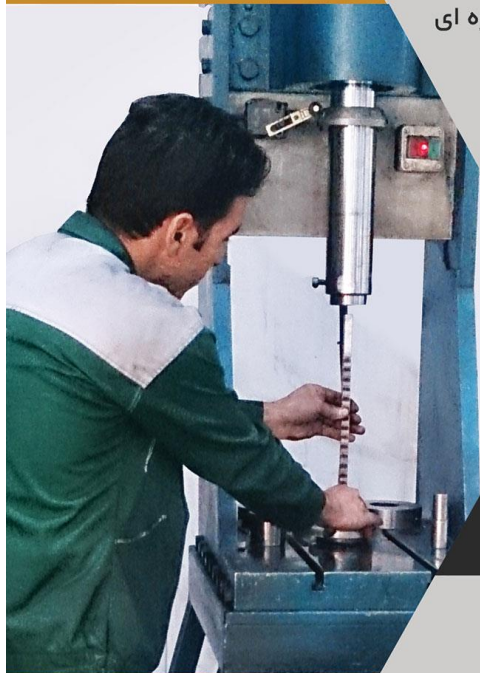
از سال ۱۳۷۷ که شرکت هم آرا، تولید پولی های گوه ای از جنس چدن و آلومینیوم را به صورت تخصصی در دستور کار خود قرار داد، تمام تلاش علمی و عملی خود را برای ارائه قطعه، متناسب با استانداردهای جهانی بکار گرفت. در این راستا، با تحقیقات مداوم در روزرسانی تکنولوژی تولید و ارتقاء، دائم کیفیت، خط تولید را به ماشین آلات مدرن، کاروسل و تراش CNC، دستگاه بالانس، دستگاه خانکش اتوماتیک، دستگاه حک لیزری تجهیز نموده و با بخدمت گرفتن پرسنل مجرب و کار آمد، سعی نموده تا در کمترین زمان علاوه بر کیفیت، از نظر کمیت نیز، به نیازهای صنایع مختلف پاسخگو باشد.

همکاری و ارتباط تنگاتنگ با بیش از ۵۰۰ کارخانه و شرکت مهندسی در بخش های مختلف صنعت، نظیر صنعت سیمان، فولاد، خودرو، سرمایش و گرمایش، پتروشیمی حاصل تلاش سالهای اخیر بوده و به یقین می توان گفت که امروزه شرکت هم آرا، یکی از معتبرترین تولیدکننده گان در این عرصه می باشد.

گروه فنی و مهندسی هم آرا در این سالها، با تغییرات ساختاری تولید و مدیریت قادر به اخذ گواهینامه ISO ۹۰۰۱-۲۰۰۸ مدیریت کیفیت ، از شرکت SGS گردیده است.

طبیعی است که پیشرفت و موفقیت های بدست آمده این شرکت ، بدون پشتیبانی صاحبان صنایع و ارائه پیشنهادات و انتقادهای سازنده دست اندرکاران میسر نمی گردید.

مراحل تکمیلی تولید تیپر گوه ای



حک ابعاد پولی و کد پیگیری



CE



بالانس استاتیک و دینامیک پولی های تولیدی

واحد طراحی برای انواع پولی های دو تکه



www.hamarakara.net www.hamaramedia.com
Tel: +98 21 65767900 Fax: +98 21 65765424

CELAB®
Via Maira snc
04100 Latina
Italy
celab@celab.com



CERTIFICATE

- USE OF STANDARD -

Certificate Number UCN : 801422881492
Job : J18461
Date of Issue : 2016-04-27
Certificate valid up to : 2020-04-26

Brand Name : Ham Ara
Type : Pulley and V-Belt
Model N : Pulley and V-Belt

Manufacturer : Hamarakara Technical Engineering Group
Address : No 9, Shahrake Mostafa Khomeini, Vire, Shahriyar
Teheran Islamic Republic of Iran

Standard Used : ISO 3142:1997 ; ISO 4183:1995 ; DIN 2211

Conclusion:
After inspection of the technical documentation issued by the customer, and in his request, we express our opinion that this documentation meets the technical requirement of the above standards.

*This opinion is only valid for the equipment and configuration described, in conjunction with the test data detailed above and with compliance with all applicable legal requirement for the product .
The following manufacturer documents was inspected:*

Presence of test report using standards as indicated by the manufacturer	<input checked="" type="checkbox"/> OK
--	--

Copyright of this Certificate is owned by CELAB® Italy and may not be reproduced other than in full and with the prior approval of the General Manager. Use of this certificate is subjected to Celab regulation available on Celab web site.

Check the authenticity of this certificate and related information before use in the web site www.celab.com introducing the UCN number in the 'Check document authenticity' area. You will see copy of this certificate and regulation on certificate use. This document is released only for scope allowed by laws-

Massimiliano Bertoldi
General Manager - CELAB
www.celab.com

Massimiliano Bertoldi

www.celab.com

Doc 125 Voluntary Certificate of Standard rev 2.1



Certificate CH15/0409

The management system of

HAM ARA KARA Co.

No. 9, 1st Sanat St., Sanat Industrial Zone, Vireh, Shahrjar, Tehran, Iran

has been assessed and certified as meeting the requirements of

ISO 9001:2008

For the following activities

Manufacturing aluminium and Cast-Iron pulley and Aluminium damper for air ventilating systems

This certificate is valid from 23 March 2015 until 22 March 2018 and remains valid subject to satisfactory surveillance audits
Recertification audit due before 6 March 2018
Issue 1. Certified since March 2015



Authorised by

SGS Société Générale de Surveillance SA Systems & Services Certification
Technoparkstrasse 1 8005 Zurich Switzerland
t +41 (0)44 445-16-80 f +41 (0)44 445-16-88 www.sgs.com



Page 1 of 1



This document is issued by the Company subject to its General Conditions of Certification Services accessible at www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitations of liability, indemnification and jurisdictional issues established therein. The authenticity of this document may be verified at <http://www.sgs.com/en/Our-Company/Certified-Clients-Directories/Certified-Clients-Directories.aspx>. Any unauthorised alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Introduction

On the market you find many V-belts, among which the most used are the “narrow” SPZ -SPA - SPB - SPC (DIN 7753/1), the “classical” Z - A - B - C (DIN 2215 - ISO and UNI 5265) and the american narrow 3V - 5V (RMA-MPTA). On the “**narrow V-belt pulleys**” (DIN 2211 - ISO 4183) it is possible to use correctly all these V-belts. HAMARA presents in this catalogue its own range of standard pulleys, which are, in regard to the grooves, all produced according to DIN 2211 (ISO 4183) except for C - section .

Manufactured Types

PULLEYS

Traditional V groove pulleys suitable for normal applications for use with the following belt types :

- **SPZ - Z - 3V**
- **SPA - A**
- **SPB - B - 5V**
- **SPC - C**

Materials

Our pulleys are made of cast iron, quality DIN 1691 GG20 - GG25.

Features

The dimensions are very precise as the pulleys are turned exclusively by means of CNC or automatic lathes.

These pulleys can be used for speed up to 35 m/s.

Protective Treatment

Our pulleys are black phosphated.

HAMARA Taper Lock Bushing

HAMARA taper lock bushes have a truncated cone shape and a grooved bore. They are positioned at the end of the standard shafts according to the regulations concerning the electric motor. The HAMARA Taper Lock has to be fitted into the slot of the transmission unit which is equipped with a cone shaped bore. This device enables alignment and the locking of this part of the shaft using the screws supplied.

It also enables:

- A quick assembly (no need of reboring and no need of skilled workers for its functioning)
- A recovery of the endurance thanks to the elastic taper bush
- An effective connection to the transmission shaft.
- A reduced hindrance (no projection and a firm lock around the whole length of the bush enabling a greater capacity)
- An axial position to eliminate both washers and screws from the head of the shaft.
- A fast and easy disassembly (no need of special tools, no risk of damaging the bearings) plus the possibility of replacing and reutilizing the different components.
- A simplified process for the making of the shafts (no reboring of the transmission units, no mending, no waste of time during both the assembling and the disassembly).
- The bush and transmission unit after being replaced can be reutilized.



Introduction

On the market you find many V-belts, among which the most used are the “narrow” SPZ -SPA - SPB - SPC (DIN 7753/1), the “classical” Z - A - B - C (DIN 2215 - ISO and UNI 5265) and the american narrow 3V - 5V (RMA-MPTA). On the “**narrow V-belt pulleys**” (DIN 2211 - ISO 4183) it is possible to use correctly all these V-belts. HAMARA presents in this catalogue its own range of standard pulleys, which are, in regard to the grooves, all produced according to DIN 2211 (ISO 4183) except for C - section .

Manufactured Types

PULLEYS

Traditional V groove pulleys suitable for normal applications for use with the following belt types :

- **SPZ - Z - 3V**
- **SPA - A**
- **SPB - B - 5V**
- **SPC - C**

Materials

Our pulleys are made of cast iron, quality DIN 1691 GG20 - GG25.

Features

The dimensions are very precise as the pulleys are turned exclusively by means of CNC or automatic lathes.

These pulleys can be used for speed up to 35 m/s.

Protective Treatment

Our pulleys are black phosphated.

HAMARA Taper Lock Bushing

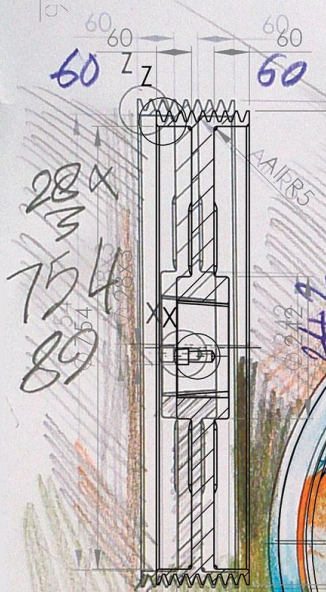
HAMARA taper lock bushes have a truncated cone shape and a grooved bore. They are positioned at the end of the standard shafts according to the regulations concerning the electric motor. The HAMARA Taper Lock has to be fitted into the slot of the transmission unit which is equipped with a cone shaped bore. This device enables alignment and the locking of this part of the shaft using the screws supplied.

It also enables:

- A quick assembly (no need of reboring and no need of skilled workers for its functioning)
- A recovery of the endurance thanks to the elastic taper bush
- An effective connection to the transmission shaft.
- A reduced hindrance (no projection and a firm lock around the whole length of the bush enabling a greater capacity)
- An axial position to eliminate both washers and screws from the head of the shaft.
- A fast and easy disassembly (no need of special tools, no risk of damaging the bearings) plus the possibility of replacing and reutilizing the different components.
- A simplified process for the making of the shafts (no reboring of the transmission units, no mending, no waste of time during both the assembling and the disassembly).
- The bush and transmission unit after being replaced can be reutilized.



DETAIL Y
SCALE 1 : 2



SECTION AA
SCALE 1 : 10



Manufacturer of
Aluminium and cast iron pulley
and industrial accessories

