

# Taper Bore Pulleys for SPZ 'V' Belts

Catalogue No.	Pitch Circle Dia. Dm	Pulley Type	Taper Bush Size	Min. Bore d	Max. Bore d	Pulley Width B	Bore Length L	Hub Step K	Hub Step M	Hub Dia. N	Rim Dia. J	Approx Weight kg
<b>SPZ 2 Groove Pulleys</b>												
SPZ 50-2-1008	50	9	1008	9	25	28	49.0	27.0	-	60	-	0.40
SPZ 56-2-1108	56	9	1108	9	28	28	49.0	27.0	-	60	-	0.50
SPZ 60-2-1108	60	9	1108	9	28	28	49.0	27.0	-	64	-	0.60
SPZ 63-2-1108	63	3	1108	9	28	28	22.2	6.0	-	-	37	0.30
SPZ 67-2-1108	67	3	1108	9	28	28	22.2	6.0	-	-	38	0.40
SPZ 71-2-1108	71	3	1108	9	28	28	22.2	6.0	-	-	42	0.40
SPZ 75-2-1210	75	3	1210	11	32	28	25.4	2.5	-	-	46	0.40
SPZ 80-2-1210	80	3	1210	11	32	28	25.4	2.5	-	-	51	0.60
SPZ 85-2-1610	85	3	1610	14	42	28	25.4	2.5	-	-	56	0.50
SPZ 90-2-1610	90	3	1610	14	42	28	25.4	2.5	-	-	61	0.70
SPZ 95-2-1610	95	3	1610	14	42	28	25.4	2.5	-	-	66	0.80
SPZ100-2-1610	100	3	1610	14	42	28	25.4	2.5	-	-	71	0.90
SPZ106-2-1610	106	3	1610	14	42	28	25.4	2.5	-	-	77	1.10
SPZ112-2-1610	112	3	1610	14	42	28	25.4	2.5	-	-	83	1.30
SPZ118-2-1610	118	3	1610	14	42	28	25.4	2.5	-	-	89	1.30
SPZ125-2-1610	125	3	1610	14	42	28	25.4	2.5	-	-	96	1.40
SPZ132-2-1610	132	3	1610	14	42	28	25.4	2.5	-	-	111	1.50
SPZ140-2-1610	140	2	1610	14	42	28	25.4	2.5	-	-	111	1.70
SPZ150-2-2012	150	1	2012	14	50	28	33.5	-	5.5	112	-	2.00
SPZ160-2-2012	160	1	2012	14	50	28	31.8	-	4.0	112	-	2.50
SPZ170-2-2012	170	1	2012	14	50	28	31.8	-	4.0	112	-	2.50
SPZ180-2-2012	180	1	2012	14	50	28	31.8	-	4.0	112	-	2.50
SPZ190-2-2012	190	1	2012	14	50	28	31.8	-	4.0	112	-	2.60
SPZ200-2-2012	200	1	2012	14	50	28	31.8	-	4.0	112	-	2.80
SPZ224-2-2012	224	5	2012	14	50	28	31.8	-	4.0	112	195	3.20
SPZ250-2-2012	250	7	2012	14	50	28	31.8	2.0	2.0	112	221	3.50
SPZ280-2-2012	280	7	2012	14	50	28	31.8	2.0	2.0	112	251	4.00
SPZ315-2-2012	315	7	2012	14	50	28	31.8	2.0	2.0	112	286	4.20
SPZ355-2-2012	355	7	2012	14	50	28	31.8	2.0	2.0	112	326	5.10
SPZ400-2-2517	400	7	2517	19	65	28	44.5	8.5	8.5	124	371	6.30
SPZ450-2-2517	450	7	2517	19	65	28	44.5	8.5	8.5	120	424	8.20
SPZ500-2-2517	500	7	2517	19	65	28	44.5	8.5	8.5	124	471	9.10
SPZ630-2-2517	630	7	2517	19	65	28	44.5	8.5	8.5	124	601	11.70
<b>SPZ 3 Groove Pulleys</b>												
SPZ 63-3-1108	63	3	1108	9	28	40	22.2	18.0	-	-	37	0.40
SPZ 67-3-1108	67	3	1108	9	28	40	22.2	18.0	-	-	38	0.50
SPZ 71-3-1108	71	3	1108	9	28	40	22.2	18.0	-	-	42	0.60
SPZ 75-3-1210	75	3	1210	11	32	40	25.4	14.5	-	-	46	0.50
SPZ 80-3-1210	80	3	1210	11	32	40	25.4	14.5	-	-	51	0.70
SPZ 85-3-1610	85	3	1610	14	42	40	25.4	14.5	-	-	56	0.60
SPZ 90-3-1610	90	3	1610	14	42	40	25.4	14.5	-	-	61	0.80
SPZ 95-3-1610	95	3	1610	14	42	40	25.4	14.5	-	-	66	0.90
SPZ100-3-1610	100	3	1610	14	42	40	25.4	14.5	-	-	71	1.10
SPZ106-3-1610	106	3	1610	14	42	40	25.4	14.5	-	-	77	1.30
SPZ112-3-2012	112	3	2012	14	50	40	31.8	8.0	-	-	83	1.30
SPZ118-3-2012	118	3	2012	14	50	40	31.8	8.0	-	-	89	1.60
SPZ125-3-2012	125	2	2012	14	50	40	31.8	-	8.0	-	96	1.80
SPZ132-3-2012	132	2	2012	14	50	40	31.8	-	8.0	-	111	2.30
SPZ140-3-2012	140	2	2012	14	50	40	31.8	-	8.0	-	111	2.60
SPZ150-3-2012	150	2	2012	14	50	40	31.8	-	8.0	-	121	3.10
SPZ160-3-2012	160	2	2012	14	50	40	31.8	-	8.0	-	131	3.60
SPZ170-3-2012	170	6	2012	14	50	40	31.8	-	8.0	112	141	4.20
SPZ180-3-2012	180	6	2012	14	50	40	31.8	-	8.0	112	151	4.80
SPZ190-3-2012	190	6	2012	14	50	40	31.8	-	8.0	112	161	4.90
SPZ200-3-2012	200	6	2012	14	50	40	31.8	-	8.0	112	171	3.50
SPZ224-3-2012	224	6	2012	14	50	40	31.8	4.0	4.0	112	195	3.90
SPZ250-3-2012	250	8	2012	14	50	40	31.8	4.0	4.0	112	221	4.30
SPZ280-3-2517	280	7	2517	19	65	40	44.5	2.5	2.5	124	251	5.30
SPZ315-3-2517	315	7	2517	19	65	40	44.5	2.5	2.5	124	286	6.10
SPZ355-3-2517	355	7	2517	19	65	40	44.5	2.5	2.5	124	326	7.30
SPZ400-3-2517	400	7	2517	19	65	40	44.5	2.5	2.5	124	371	8.00
SPZ450-3-2517	450	7	2517	19	65	40	44.5	2.5	2.5	120	424	9.80
SPZ500-3-2517	500	7	2517	19	65	40	44.5	2.5	2.5	124	471	11.40
SPZ630-3-2517	630	7	2517	19	65	40	44.5	2.5	2.5	124	601	15.90
<b>SPZ 4 Groove Pulleys</b>												
SPZ 80-4-1210	80	3	1210	11	32	52	25.4	26.5	-	-	51	0.80
SPZ 85-4-1610	85	3	1610	14	42	52	25.4	26.5	-	-	56	0.90
SPZ 90-4-1610	90	3	1610	14	42	52	25.4	26.5	-	-	61	1.00
SPZ 95-4-1610	95	3	1610	14	42	52	25.4	26.5	-	-	66	1.10
SPZ100-4-1610	100	3	1610	14	42	52	25.4	26.5	-	-	71	1.10
SPZ106-4-1610	106	3	1610	14	42	52	25.4	26.5	-	-	77	1.30
SPZ112-4-2012	112	3	2012	14	50	52	31.8	20.0	-	-	83	1.50
SPZ118-4-2012	118	3	2012	14	50	52	31.8	20.0	-	-	89	1.80
SPZ125-4-2012	125	2	2012	14	50	52	31.8	-	20.0	-	96	2.20
SPZ132-4-2012	132	2	2012	14	50	52	31.8	-	20.0	-	111	2.50
SPZ140-4-2012	140	2	2012	14	50	52	31.8	-	20.0	-	111	2.90
SPZ150-4-2517	150	2	2517	19	65	52	44.5	-	7.5	-	121	3.70
SPZ160-4-2517	160	2	2517	19	65	52	44.5	-	7.5	-	131	4.40

All dimensions in mm

For standard sizes of Taper Bore Bushes available refer to page 10

## Pulley Installation

Correct accurate installation of V-Belt Pulleys is essential to provide long life of the belts. Pulley alignment and parallelism are very important as any misalignment of the pulleys will cause unequal loading in the belt and cause edge wear on the belt. Pulley alignment can be checked by placing a straight edge across the outside edge of the pulleys, and adjusting until contact occurs evenly across both pulleys.

## Pulley Types

Pulley types referred to in the tables are as drawings shown below.

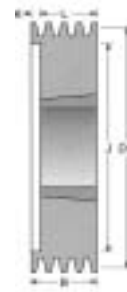


Figure 3

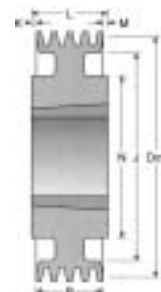


Figure 5

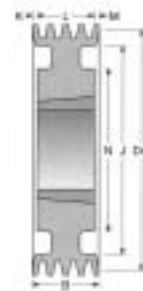


Figure 6

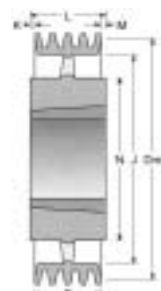


Figure 7

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# Taper Bore Pulleys for SPZ 'V' Belts

Catalogue No.	Pitch Circle Dia. Dm	Pulley Type	Taper Bush Size	Min. Bore d	Max. Bore d	Pulley Width B	Bore Length L	Hub Step K	Hub Step M	Hub Dia. N	Rim Dia. J	Approx Weight kg
<b>SPZ 4 Groove Pulleys</b>												
SPZ170-4-2517	170	2	2517	19	65	52	44.5	-	7.5	-	141	5.30
SPZ180-4-2517	180	6	2517	19	65	52	44.5	-	7.5	124	151	6.10
SPZ190-4-2517	190	6	2517	19	65	52	44.5	-	7.5	124	161	5.30
SPZ200-4-2517	200	6	2517	19	65	52	44.5	4.0	4.0	124	171	4.70
SPZ224-4-2517	224	8	2517	19	65	52	44.5	4.0	4.0	124	195	5.20
SPZ250-4-2517	250	8	2517	19	65	52	44.5	4.0	4.0	124	221	5.70
SPZ280-4-2517	280	8	2517	19	65	52	44.5	4.0	4.0	124	251	6.40
SPZ315-4-2517	315	8	2517	19	65	52	44.5	4.0	4.0	124	286	7.60
SPZ355-4-2517	355	8	2517	19	65	52	44.5	4.0	4.0	124	326	8.90
SPZ400-4-2517	400	8	2517	19	65	52	44.5	4.0	4.0	124	371	10.10
SPZ450-4-3020	450	8	3020	25	75	52	51	0.5	0.5	145	424	11.80
SPZ500-4-3020	500	8	3020	25	75	52	51	0.5	0.5	159	471	14.30
SPZ630-4-3020	630	8	3020	25	75	52	51	0.5	0.5	145	601	20.00
<b>SPZ 5 Groove Pulleys</b>												
SPZ 85-5-1610	85	3	1610	14	42	64	25.4	38.5	-	-	56	1.00
SPZ 90-5-1610	90	3	1610	14	42	64	25.4	38.5	-	-	61	1.20
SPZ 95-5-1610	95	3	1610	14	42	64	25.4	38.5	-	-	66	1.30
SPZ100-5-2012	100	3	2012	14	50	64	31.8	32.0	-	-	71	1.30
SPZ106-5-2012	106	3	2012	14	50	64	31.8	32.0	-	-	77	1.50
SPZ112-5-2012	112	3	2012	14	50	64	31.8	32.0	-	-	83	1.80
SPZ118-5-2012	118	3	2012	14	50	64	31.8	32.0	-	-	89	1.80
SPZ125-5-2012	125	3	2012	14	50	64	31.8	32.0	-	-	96	2.30
SPZ132-5-2517	132	3	2517	19	65	64	44.5	19.5	-	-	111	2.70
SPZ140-5-2517	140	2	2517	19	65	64	44.5	-	19.5	-	111	3.20
SPZ150-5-2517	150	2	2517	19	65	64	44.5	-	19.5	-	121	4.00
SPZ160-5-2517	160	2	2517	19	65	64	44.5	-	19.5	-	131	4.80
SPZ170-5-2517	170	2	2517	19	65	64	44.5	-	19.5	-	141	5.90
SPZ180-5-2517	180	6	2517	19	65	64	44.5	-	19.5	124	151	6.30
SPZ190-5-2517	190	6	2517	19	65	64	44.5	-	19.5	124	161	6.30
SPZ200-5-2517	200	6	2517	19	65	64	44.5	10.0	10.0	124	171	5.50
SPZ224-5-2517	224	6	2517	19	65	64	44.5	10.0	10.0	124	195	6.00
SPZ250-5-2517	250	8	2517	19	65	64	44.5	10.0	10.0	124	221	6.40
SPZ280-5-2517	280	8	2517	19	65	64	44.5	10.0	10.0	124	251	7.10
SPZ315-5-2517	315	8	2517	19	65	64	44.5	10.0	10.0	124	286	8.60
SPZ355-5-2517	355	8	2517	19	65	64	44.5	10.0	10.0	124	326	10.00
SPZ400-5-3020	400	8	3020	25	75	64	51	6.5	6.5	145	371	11.70
SPZ450-5-3020	450	8	3020	25	75	64	51	6.5	6.5	145	424	13.90
SPZ500-5-3020	500	8	3020	25	75	64	51	6.5	6.5	145	471	17.60
SPZ630-5-3020	630	8	3020	25	75	64	51	6.5	6.5	145	601	22.70
<b>SPZ 6 Groove Pulleys</b>												
SPZ100-6-2012	100	3	2012	14	50	76	31.8	44.0	-	-	71	1.40
SPZ106-6-2012	106	3	2012	14	50	76	31.8	44.0	-	-	77	1.60
SPZ112-6-2012	112	3	2012	14	50	76	31.8	44.0	-	-	83	1.90
SPZ118-6-2517	118	3	2517	19	65	76	44.5	31.5	-	-	89	2.00
SPZ125-6-2517	125	3	2517	19	65	76	44.5	31.5	-	-	96	2.50
SPZ132-6-2517	132	3	2517	19	65	76	44.5	31.5	-	-	111	2.90
SPZ140-6-2517	140	2	2517	19	65	76	44.5	-	31.5	-	111	3.50
SPZ150-6-2517	150	2	2517	19	65	76	44.5	-	31.5	-	121	4.40
SPZ160-6-2517	160	2	2517	19	65	76	44.5	-	31.5	-	131	5.20
SPZ170-6-2517	170	2	2517	19	65	76	44.5	-	31.5	-	141	6.50
SPZ180-6-2517	180	6	2517	19	65	76	44.5	-	31.5	124	151	6.80
SPZ190-6-2517	190	6	2517	19	65	76	44.5	-	31.5	124	161	6.90
SPZ200-6-2517	200	6	2517	19	65	76	44.5	16.0	16.0	124	171	6.10
SPZ224-6-2517	224	6	2517	19	65	76	44.5	16.0	16.0	124	195	6.60
SPZ250-6-2517	250	8	2517	19	65	76	44.5	16.0	16.0	124	221	7.00
SPZ280-6-2517	280	8	2517	19	65	76	44.5	16.0	16.0	124	251	7.80
SPZ315-6-2517	315	8	2517	19	65	76	44.5	16.0	16.0	124	286	9.30
SPZ355-6-2517	355	8	2517	19	65	76	44.5	16.0	16.0	124	326	10.70
SPZ400-6-3020	400	8	3020	25	75	76	51	12.5	12.5	145	371	14.50
SPZ450-6-3030	450	8	3030	25	75	76	76	-	-	145	424	16.90
SPZ500-6-3020	500	8	3020	25	75	76	51	12.5	12.5	145	471	19.90
SPZ630-6-3535	630	7	3535	32	90	76	89	6.5	6.5	178	601	33.60
<b>SPZ 8 Groove Pulleys</b>												
SPZ140-8-2517	140	4	2517	19	65	100	44.5	28.0	28.0	-	111	4.00
SPZ150-8-2517	150	4	2517	19	65	100	44.5	28.0	28.0	-	121	5.10
SPZ160-8-2517	160	4	2517	19	65	100	44.5	28.0	28.0	-	131	5.60
SPZ180-8-3020	180	4	3020	25	75	100	51	24.5	24.5	-	151	7.10
SPZ190-8-3020	190	4	3020	25	75	100	51	24.5	24.5	-	161	8.20
SPZ200-8-3020	200	4	3020	25	75	100	51	24.5	24.5	-	171	9.30
SPZ224-8-3020	224	4	3020	25	75	100	51	24.5	24.5	-	195	11.80
SPZ250-8-3020	250	8	3020	25	75	100	51	24.5	24.5	145	221	10.50
SPZ280-8-3020	280	8	3020	25	75	100	51	24.5	24.5	145	251	10.80
SPZ315-8-3020	315	8	3020	25	75	100	51	24.5	24.5	145	286	12.90
SPZ355-8-3030	355	8	3030	25	75	100	76	12.0	12.0	145	326	16.00
SPZ400-8-3030	400	8	3030	25	75	100	76	12.0	12.0	145	371	18.20
SPZ450-8-3535	450	8	3535	32	90	100	89	5.5	5.5	178	424	24.00

## Pulley Types

Pulley types referred to in the tables are as drawings shown below.

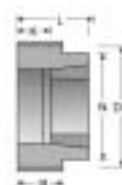


Figure 9

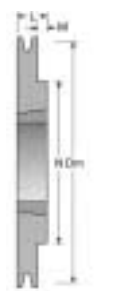


Figure 1



Figure 2

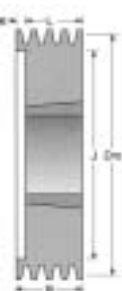


Figure 3

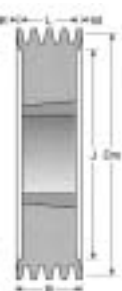


Figure 4

All dimensions in mm

For standard sizes of Taper Bore Bushes available refer to page 10

## Pulley Installation

Correct accurate installation of V-Belt Pulleys is essential to provide long life of the belts. Pulley alignment and parallelism are very important as any misalignment of the pulleys will cause unequal loading in the belt and cause edge wear on the belt. Pulley alignment can be checked by placing a straight edge across the outside edge of the pulleys, and adjusting until contact occurs evenly across both pulleys.

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