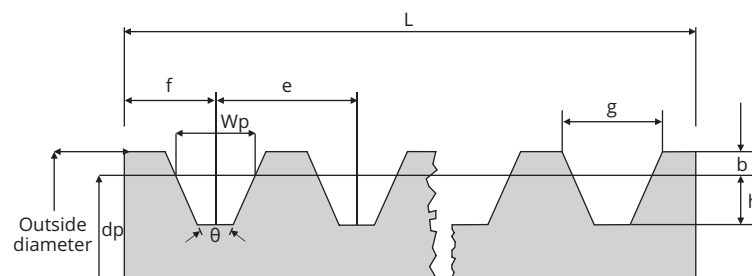


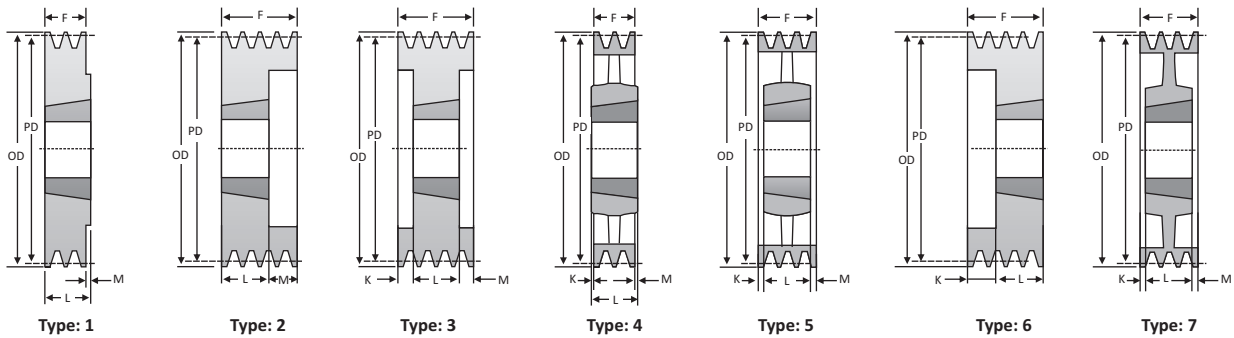
Standard V-Belt Pulley groove details

Section	Groove Pitch Width (Wp) mm	Min. distance from outside diameter to Pitch Dia. (B) mm	Min. groove depth below pitch diameter (Note 4) (h) mm	Centre to centre of groove (See note 2) (e) mm	Edge of pulley to 1st groove centre (See note 3) (f) mm	Pitch diameter (dp) mm	Groove angle (θ)mm	Min. top width of groove (g) mm
Z, SPZ ZX, XPZ	8.5	2.00	9.0	12±0.3	8.0±1.0	Up to 80 Over 80	34±0.5 38±0.5	9.7 9.9
A, SPA AX, XPA	11.0	2.75	11.0	15±0.3	10.0+2.0 -1.0	Up to 118 Over 118	34±0.5 38±0.5	12.7 12.9
B, SPB BX, XPB	14.0	3.50	14.0	19±0.4	12.5+2.0 -1.0	Up to 190 Over 190	34±0.5 38±0.5	16.1 16.4
C, SPC CX, XPC	19.0	4.80	19.0	25.5±0.5	17.0+2.0 -1.0	Up to 315 Over 315	34±0.5 38±0.5	21.9 22.3
D	27.0	8.10	19.9	37±0.6	24.0+3.0 -1.0	Up to 475 475 & over	36±0.5 38±0.5	32.3 32.6
E	32.0	9.60	23.4	44.5±0.7	29.0+4.0 -1.0	Up to 610 Over 610	36±0.5 38±0.5	38.8 39.3
3V, 3VX		0.64	8.0	10.3±0.4	8.7+2.0 -0.8	Up to 88 88 to 152 152 to 305 Above 305	36±0.5 38±0.5 40±0.5 42±0.5	8.9
5V, 5VX		1.27	13.7	17.5±0.4	12.7+3.0 -1.0	Up to 254 254 to 406 Above 406	38±0.5 40±0.5 42±0.5	15.2
8V, 8VX		2.54	22.6	28.6±0.4	19.0+6.0 -1.5	Up to 406 406 to 569 Above 569	38±0.5 40±0.5 42±0.5	25.4



1. The tolerance on the dimensions apply to the distance between the center of any two grooves whether adjacent or not
2. It is recommended that the tolerance on dimensions should be taken into account while aligning the Pulleys
3. When the Pulleys are to be used for V-Belts Z, A, B, C sections, the value of 'h' may be reduced by 20%
4. Only above dimension Pulleys should be used for Banded Belts except for 'A' section, where e=15.9 mm

Z / ZX & SPZ / XPZ section Pulleys



Product Code	Pitch Diameter (PD) (mm)	Outer Diameter (OD) (mm)	Number of grooves	Bush Number	Bush Max. Bore		F	K	L	M	Pulley Type
					Metric (mm)	Imperial (Inches)					
Z 0067 01	67	71	1	1108	28	1 1/8"	16	-	23	7	1
Z 0067 02			2	1108	28	1 1/8"	28	5	23	-	6
Z 0071 01	71	75	1	1108	28	1 1/8"	16	-	23	7	1
Z 0071 02			2	1108	28	1 1/8"	28	5	23	-	6
Z 0075 01	75	79	1	1108	28	1 1/8"	16	-	23	7	1
Z 0075 02			2	1210	32	1 1/4"	28	3	25	-	6
Z 0080 01	80	84	1	1210	32	1 1/4"	16	-	26	10	1
Z 0080 02			2	1210	32	1 1/4"	28	3	25	-	6
Z 0080 03			3	1210	32	1 1/4"	40	14	26	-	6
Z 0085 01	85	89	1	1210	32	1 1/4"	16	-	26	10	1
Z 0085 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0085 03			3	1610	42	1 5/8"	40	14	26	-	6
Z 0085 04			4	1610	42	1 5/8"	52	26	26	-	6
Z 0090 01	90	94	1	1210	32	1 1/4"	16	-	26	10	1
Z 0090 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0090 03			3	1610	42	1 5/8"	40	14	26	-	6
Z 0090 04			4	1610	42	1 5/8"	52	26	26	-	6
Z 0090 05			5	1610	42	1 5/8"	64	38	26	-	6
Z 0095 01	95	99	1	1210	32	1 1/4"	16	-	26	10	1
Z 0095 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0095 03			3	1610	42	1 5/8"	40	14	26	-	6
Z 0095 04			4	1610	42	1 5/8"	52	26	26	-	6
Z 0095 05			5	1610	42	1 5/8"	64	38	26	-	6
Z 0100 01	100	104	1	1210	32	1 1/4"	16	-	26	10	1
Z 0100 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0100 03			3	1610	42	1 5/8"	40	14	26	-	6
Z 0100 04			4	2012	50	2"	52	26	26	-	6
Z 0100 05			5	2012	50	2"	64	31	33	-	6
Z 0112 01	112	116	1	1610	42	1 5/8"	16	-	26	10	1
Z 0112 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0112 03			3	2012	50	2"	40	7	33	-	6
Z 0112 04			4	2012	50	2"	52	19	33	-	6
Z 0112 05			5	2012	50	2"	64	31	33	-	6
Z 0125 01	125	129	1	1610	42	1 5/8"	16	-	26	10	1
Z 0125 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0125 03			3	2012	50	2"	40	7	33	-	6
Z 0125 04			4	2012	50	2"	52	19	33	-	6
Z 0125 05			5	2517	60	2 1/2"	64	18	46	-	6

Z / ZX & SPZ / XPZ section Pulleys

Product Code	Pitch Diameter (PD) (mm)	Outer Diameter (OD) (mm)	Number of grooves	Bush Number	Bush Max. Bore		F	K	L	M	Pulley Type
					Metric (mm)	Imperial (Inches)					
Z 0140 01	140	144	1	1610	42	1 5/8"	16	-	26	10	1
Z 0140 02			2	1610	42	1 5/8"	28	3	25	-	6
Z 0140 03			3	2012	50	2"	40	-	33	7	2
Z 0140 04			4	2012	50	2"	52	-	33	19	2
Z 0140 05			5	2517	60	2 1/2"	64	-	46	18	2
Z 0160 01	160	164	1	1610	42	1 5/8"	16	-	26	10	1
Z 0160 02			2	2012	50	2"	28	-	33	5	1
Z 0160 03			3	2012	50	2"	40	-	33	7	2
Z 0160 04			4	2517	60	2 1/2"	52	-	46	6	2
Z 0160 05			5	2517	60	2 1/2"	64	-	46	18	2
Z 0180 01	180	184	1	1610	42	1 5/8"	16	-	26	10	1
Z 0180 02			2	2012	50	2"	28	-	33	5	1
Z 0180 03			3	2012	50	2"	40	-	33	7	2
Z 0180 04			4	2517	60	2 1/2"	52	-	46	6	2
Z 0180 05			5	2517	60	2 1/2"	64	-	46	18	2
Z 0200 01	200	204	1	2012	50	2"	16	-	33	15	1
Z 0200 02			2	2012	50	2"	28	-	33	5	1
Z 0200 03			3	2012	50	2"	40	-	33	7	2
Z 0200 04			4	2517	60	2 1/2"	52	3.5	45	3.5	3
Z 0200 05			5	2517	60	2 1/2"	64	9.5	45	9.5	7
Z 0250 01	250	254	1	2012	50	2"	16	8.0	32	8.0	4
Z 0250 02			2	2012	50	2"	28	2.0	32	2.0	4
Z 0250 03			3	2012	50	2"	40	4.0	32	4	5
Z 0250 04			4	2517	60	2 1/2"	52	3.5	45	3.5	7
Z 0250 05			5	2517	60	2 1/2"	64	9.5	45	9.5	5
Z 0315 01	315	319	1	2012	50	2"	16	8.0	32	8.0	4
Z 0315 02			2	2012	50	2"	28	2.0	32	2.0	4
Z 0315 03			3	2517	60	2 1/2"	40	2.5	45	2.5	4
Z 0315 04			4	2517	60	2 1/2"	52	3.5	45	3.5	5
Z 0315 05			5	2517	60	2 1/2"	64	9.5	45	9.5	5
Z 0400 01	400	404	1	2012	50	2"	16	8.0	32	8.0	4
Z 0400 02			2	2517	60	2 1/2"	28	8.5	45	8.5	4
Z 0400 03			3	2517	60	2 1/2"	40	2.5	45	2.5	4
Z 0400 04			4	2517	60	2 1/2"	52	3.5	45	3.5	5
Z 0400 05			5	3020	75	3"	64	6.5	51	6.5	5
Z 0500 02	500	504	2	2517	60	2 1/2"	28	8.5	45	8.5	4
Z 0500 03			3	2517	60	2 1/2"	40	2.5	45	2.5	4
Z 0500 04			4	3020	75	3"	52	0.5	51	0.5	5
Z 0500 05			5	3020	75	3"	64	6.0	76	6.0	5

- Above 'Pulley Description' is for 'Z' section Pulleys, replace 'Z' with ZX, SPZ or XPZ to arrive at respective Pulley / Product code
- Please refer 'PIX recommended minimum pulley diameter' charts given on page no. 3
- Unlisted sizes are available on request