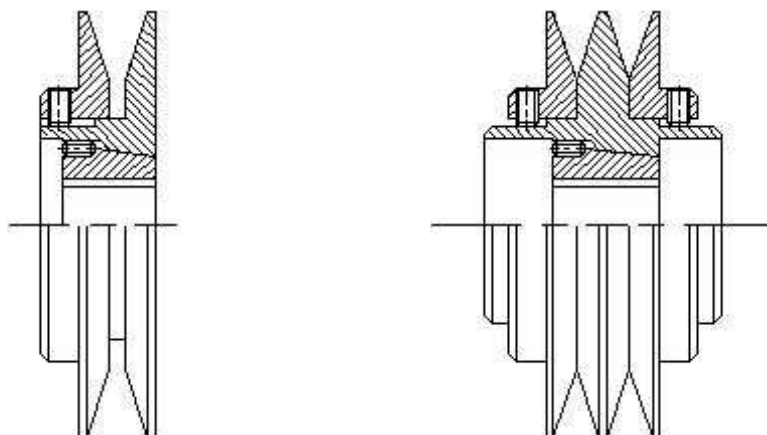


Metric Adjustable Speed V-Belt Sheave

(For Taper Bushings)



Part No.	European Taper Bushing No.	Belt Section	Adjustable Pitch Diameter		Adjusting Factor	Min-Max Power kW @ 1450rpm	Total Length	Weight kg
			Mid-Range	Min-Max				
AJT 84 Zx1	1108	SPZ or 10	71	62-80	1.64	0.8-1.6	28	0.65
AJT 93 Zx1	1108	SPZ or 10	68	57-78	1.64		36.5	0.86
AJT 95 Zx1	1108	SPZ or 10	82	73-91	1.64	1.3-2.1	30	0.85
AJT 100 Zx1	1108	SPZ or 10	87	78-96	1.64	1.5-2.3	30	1.0
AJT 108 Zx1	1210	SPZ or 10	97	90-104	1.45	2.0-2.7	35	1.3
AJT 120 Ax1	1210	SPA or 13	101	88-114	1.64	1.8-3.7	38	1.6
AJT 129 Ax1	1210	SPA or 13	110	97-123	1.64	2.5-4.2	35	1.9
AJT 138 Ax1	1615	SPA or 13	110	98-122	1.64		38	2.0
AJT 139 Ax1	1610	SPA or 13	121	109-133	1.54	3.4-5.0	35	2.5
AJT 146 Ax1	1610	SPA or 13	128	116-140	1.54	3.8-5.5	35	2.7
AJT 156 Ax1	1610	SPA or 13	138	126-150	1.54	4.5-6.2	35	3.1
AJT 160 Ax1	1615	SPA or 13	123	108-138	1.54		45	3.0
AJT 164 Ax1	1610	SPA or 13	146	134-158	1.54	5.1-6.7	35	3.5
AJT 177 Ax1	2012	SPA or 13	160	149-171	1.45	6.1-7.5	40	4.3
AJT 180 Ax1	2012	SPA or 13	143	128-158	1.45			3.8
AJT 187 Ax1	2012	SPA or 13	170	159-181	1.45	6.8-8.2	40	4.7
AJT 200 Ax1	2012	SPA or 13	163	149-177	1.45		45	4.75
AJT 178 Bx1	2012	SPB or 17	155	139-171	1.64	5.9-9.3	40	4.3
AJT 187 Bx1	2012	SPB or 17	164	148-180	1.64	6.8-10.3	40	4.7
AJT 108 Ax2	1215	SPA or 13	80	68-92	1.64			2.1
AJT 120 Ax2	1215	SPA or 13	101	88-114	1.64	3.6-7.4	65	4.4
AJT 129 Ax2	1215	SPA or 13	110	99-123	1.64	5.0-8.4	65	4.6
AJT 138 Ax2	1615	SPA or 13	110	98-122	1.54		73	3.6
AJT 139 Ax2	1615	SPA or 13	121	109-133	1.54	6.8-10.0	70	4.9
AJT 146 Ax2	1615	SPA or 13	128	116-140	1.54	7.6-11.0	70	5.3
AJT 156 Ax2	1615	SPA or 13	138	126-150	1.54	9.0-12.4	70	5.7
AJT 160 Ax2	1615	SPA or 13	123	108-138	1.54		87	5.6
AJT 164 Ax2	1615	SPA or 13	146	134-158	1.54	10.2-13.4	70	6.1
AJT 177 Ax2	2012	SPA or 13	160	149-171	1.45	12.2-15.0	90	8.1
AJT 180 Ax2	2012	SPA or 13	143	128-158	1.45		87	7.2
AJT 187 Ax2	2012	SPA or 13	170	159-181	1.45	13.6-16.4	90	8.7
AJT 200 Ax2	2012	SPA or 13	163	149-177	1.45			8.9
AJT 178 Bx2	2012	SPB or 17	155	139-171	1.64	11.8-18.6	90	8.1
AJT 187 Bx2	2012	SPB or 17	164	148-180	1.64	13.6-20.6	90	8.7

Adjustable speed v-belt pulleys are adjusted by rotating, in quarter turn increments, the precision threaded collar. There are (4) equally spaced set screws on the collar. One set screw is tightened down into a keyway on the outside diameter for the hub. The other (3) set screws are tightened down on prepared flat spots in other quadrants. The "adjusting factor", listed above, is used to compute the amount of change in pitch diameter per each quarter turn of the threaded collar.

Example:

To adjust an AJ 187 Ax1 pulley to a pitch diameter of 165 mm. Max pitch diameter for above = 181 mm, with an adjusting factor of 1.45

$$\frac{\text{max pitch diameter} - \text{desired pitch diameter}}{(4) \text{ quadrants} \times \text{adjusting factor}} = \frac{181 - 165}{4 \times 1.45} = 2\text{-}3/4 \text{ turns}$$

Note: The last digit of the part number refers to the number of grooves (1 or 2 grooves)