



# Timing Pulleys


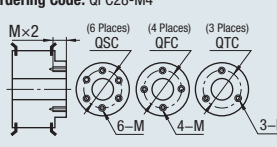
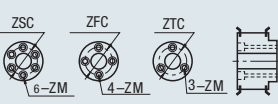
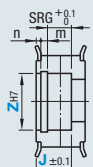
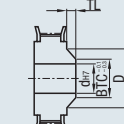
## AT5, AT10 Type, *continued*

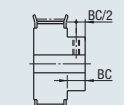
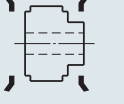
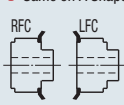
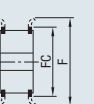
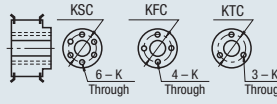
<b>Part Number Example</b>	Part Number	Pulley Shape	Shaft Bore Spec. / Inner Dia.	Z	J	Q	R	S	T
Shaft Bore: H / P / N / C	TTPA30-AT5150	A	NK10	-	-	-	-	-	-
Shaft Bore: V / F	TTPA50-AT5150	B	V20	- Z30	- J20.0	-	-	-	-
Shaft Bore: Y	TTPA24-AT10250	A	Y25	-	-	Q37	R37	S7	T7

### Inch Hole Specifications

No.	Nominal	Dimension (mm)	No.	Nominal	Dimension (mm)
A	1/8	3.175	K	1	25.400
B	3/16	4.763	L	1-1/4	31.750
C	1/4	6.350	M	1-3/8	34.925
D	5/16	7.938	N	1-1/2	38.100
E	3/8	9.525	P	1-5/8	41.275
F	1/2	12.700	Q	1-3/4	44.450
G	5/8	15.875	R	1-7/8	47.625
H	3/4	19.050	S	2	50.800
J	7/8	22.225			

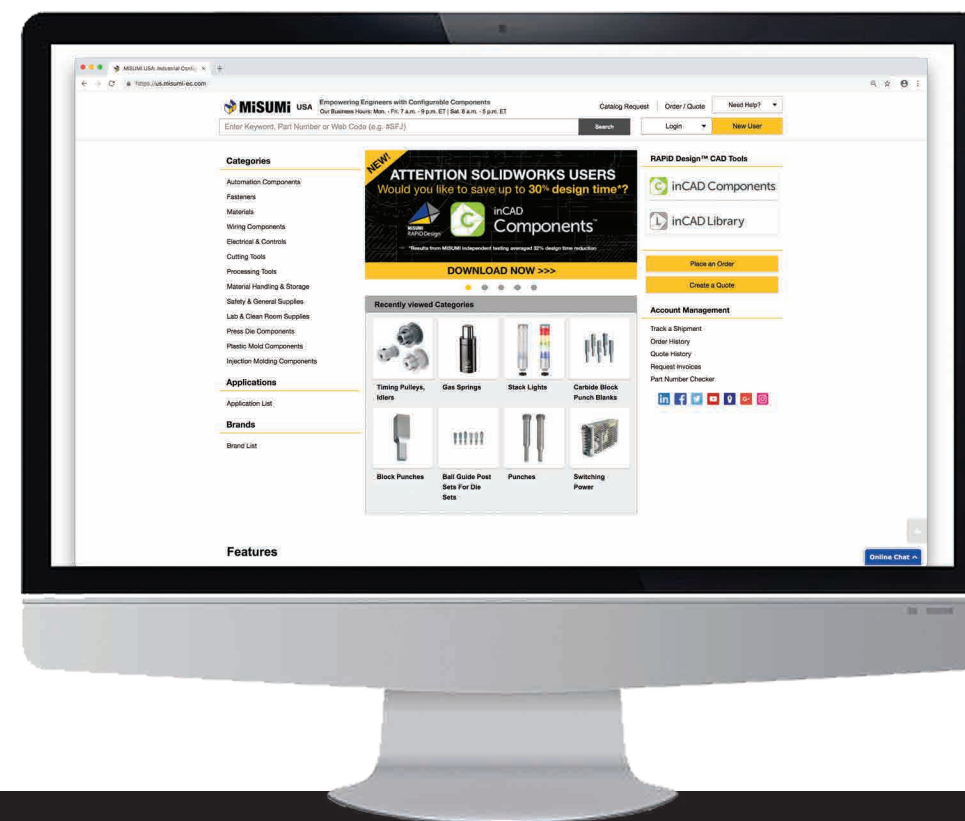
<b>Part Number Alterations</b>	Part Number	Pulley Shape	Shaft Bore Spec. / Inner Dia.	Z	J	Q	R	S	T	(KC120 / QSC / QFC / QTC / KSC / KFC / KTC / BC / NFC / RFC / LFC / FC / TPC / SLH)
	TTPA18-AT5100	A	P10	-	-	-	-	-	-	NFC

Alterations	Set Screw Angle	Side Tapped Hole	Side Counterbore Holes	Groove for Retainer Ring	Taper for Retaining Bearing
Code	KC120	QSC / QFC / QTC	ZTC-ZFC-ZSC	SRG	BTC
<b>Spec.</b>	<p>Changes an angle of set screw to 90°.</p> <p>Ⓢ For A shape pulley, the set screw hole is set at around 90° to keep away from peaks.</p> 	<p>Machines tapped hole on the side surface of hub side. (QSC, QFC, QTC: 1 mm increment)</p> <p>Ⓢ Thickness required: minimum 2 mm</p> <p>A Shape: <math>d+M+4 \leq QSC(QFC / QTC) \leq E-(M+4)</math></p> <p>B Shape: <math>d+M+4 \leq QSC(QFC / QTC) \leq D-(M+4)</math></p> <p>Ⓢ Specify KC90 when selecting QFC for the Shaft Bore specifications P and N.</p> <p>Ⓢ <math>d=Z</math> when the Shaft Bore Specifications is V.</p> <p>Ⓢ The pilot hole for tapping may go through.</p> <p>Ⓢ Not applicable to Shaft Bore Specifications F or Y.</p> <p>Ⓢ QSC is not applicable to the Shaft Bore Specification P and N.</p> <p><b>M Selection:</b> M3, M4, M5, M6, M8</p> <p><b>Ordering Code:</b> QFC28-M4</p> 	<p>Machines counterbore holes on the side surface of the hub side.</p> <p><b>Ordering Code:</b> ZTC28-ZM4</p> <p><b>Z/C Selection:</b> Please specify the hole's manufacturing position (P.C.D.)</p> <p><b>ZM Selection:</b> ZM3, ZM4, ZM5, ZM6, ZM8</p> <p>Application Notes</p> <p>Ⓢ Not applicable for 1.5GT</p> <p>Ⓢ Minimum thickness is 2mm</p> <p>Ⓢ Conditions vary depending on the shaft hole specifications</p> 	<p>Machines groove for retainer ring in line with the stepped hole of the shaft</p> <p><b>SRG Specification:</b> 2.5-36.5mm (0.5mm increments)</p> <p>Application Notes</p> <p>Ⓢ Minimum thickness is 2mm</p> <p>Ⓢ Applicable to shaft bore specifications V, F only.</p> <p>Ⓢ Use retainer ring groove standards for Z dimension</p> <p>Ⓢ <math>n \leq J-SRG-m</math></p> <p><b>Ordering Code:</b> SRG7</p> 	<p>Add taper for retaining bearing inner ring</p> <p><b>Ordering Code:</b> BTC8-TL1.5</p> <p>Application Notes</p> <p>Ⓢ Applicable to Shape A only.</p> <p>Ⓢ Applicable to shaft bore specifications H, P only.</p> <p>Ⓢ <math>TL &lt; L-W</math></p> 

Alterations	Hub Shortening	Flange Not Swaged	Flange Swaged on One Side	Flange Cut	Tapped Hole Dimensions	Set Screw Length	Side Through Holes																						
Code	BC	NFC	RFC / LFC	FC	TPC	SLH	KSC-KTC-KFC																						
<b>Spec.</b>	<p>Cuts the hub length in 0.5mm increments</p> <p><b>Ordering Code:</b> BC6.5</p> <p>Application Notes</p> <p>Ⓢ Shaft Bore specification H, V, F: <math>3 \leq BC \leq L-W</math></p> <p>Ⓢ Shaft Bore specification P, N, C: <math>M+3 \leq BC \leq L-W</math></p> <p>Ⓢ Not available for K, A shape</p> 	<p>Flange is not installed. (Flange included)</p> 	<p>Flange installed on the hub side (RFC) or the opposite side (LFC) only.</p> <p>Ⓢ Same on A Shape</p> 	<p>Cuts the outer diameter of the flange in 0.5mm increments</p> <p><b>Ordering Code:</b> FC17</p> <p>Application Notes</p> <p>Ⓢ <math>FC \geq (O.D.) + 1</math></p> <p>Ⓢ <math>FC \leq F - 2</math></p> <p>Ⓢ No surface treatment applied on flange circumference.</p> 	<p>Changes the tapped hole dimension.</p> <p>Ⓢ Applicable to Shaft Bore specification P, N, C only.</p> <table border="1"> <tr><th>M</th><th>TPC</th></tr> <tr><td>M4</td><td>M5</td></tr> <tr><td>M5</td><td>M4, M6</td></tr> <tr><td>M6</td><td>M5, M8</td></tr> <tr><td>M8</td><td>M6</td></tr> </table> <p><b>Ordering Code:</b> TPC5</p>	M	TPC	M4	M5	M5	M4, M6	M6	M5, M8	M8	M6	<p>Changes the length of the included set screws.</p> <p>Ⓢ Applicable to Shaft Bore specification P, N, C only.</p> <table border="1"> <tr><th>Set Screw</th><th>SLH</th></tr> <tr><td>M3 x 3</td><td>6</td></tr> <tr><td>M4 x 3</td><td>5, 8</td></tr> <tr><td>M5 x 4</td><td>6, 10</td></tr> <tr><td>M6 x 5</td><td>10</td></tr> <tr><td>M8 x 6</td><td>10, 12</td></tr> </table> <p><b>Ordering Code:</b> SLH10</p>	Set Screw	SLH	M3 x 3	6	M4 x 3	5, 8	M5 x 4	6, 10	M6 x 5	10	M8 x 6	10, 12	<p>Machines through hole on the side surface of hub side.</p> <p><b>Ordering Code:</b> KTC28-K4.5</p> <p><b>K, C Selection:</b> Please specify the hole's manufacturing position (P.C.D.)</p> <p><b>K Specification:</b> K4.0-11.0 (0.5mm increments)</p> <p>Application Notes</p> <p>Ⓢ Not available for K shape</p> 
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