Non-Backlash Timing Pulleys

S8M Type



0 (R)-d=2 for shaft bore specification Y. 0 L Dimensions in () are for 44–60 toothed pulleys. 🗞 For shaft hole specification N, shaft hole diameters 51 to 54 can not be manufactured.

Non-Backlash Timing Pulleys

S8M Type, continued

品	Part Number	Part Number	- Pulley S	hape - Shaft Bore Sp	oec. / Inner Dia Z	- J - Q -	R - S	- T
	Example Shaft Bore : H / P / N / C BLPA40S8M150 - A - N30							
	Shaft Bore: BLPA20S8M250 - A - Y15 - Q20 - R23 - S3 - T15							
	_							
(F	Part Number	Part Number - S	ulley - Shaft Bore Spe hape - / Inner Dia.	^{ec.} - Z - J -	Q - R - S	- T - (KC90 / QS	C / QFC / QTC / C / RFC / LFC / F	KSC / KFC / KTC / BC / FC / TPC / SLH)
0	BLPA36S8M250 - A - H65 - NFC							
Alterations	Set Screw Angle	Side la	pped Hole	Side C	ounterbore Holes	Groove for Re	stainer Ring	Taper for Retaining Bearing
code	Changes an angle (USC / U	the side surface of hub side	A Machines counthore l	boles on the side surface o	f Machines groove t	tor rotainer ring	Add taper for retaining bearing
	set screw to 90°.	(QSC, QFC, QTC: 1 mm In	(QSC, QFC, QTC: 1 mm Increment) Thickness required: minimum 2 mm A Shape: d+M+4≤QSC(QFC / QTC)=E-(M+4) B Shape: d+M+4≤QSC(QFC / QTC)=E-(M+4) C Saciel' (CSC) when a clocking of CC feet that Choff		Vide intersection of the side statistic statistics of the side stati		pped hole of	inner ring
	pulley, the set	Thickness required: m A Shape: d+M+4<0S0					n:	Ordering Code: BTC8-TL1.5 Application Notes
	at around 90° to	B Shape: d+M+4≤QSC					nm increments)	O Applicable to Shape A only.
	peaks.	Bore specifications P a	ind N.	ZM Selection: ZM3, ZM4, ZM5, ZM6, ZM8		Minimum thick	ness is 2mm	O Applicable to shaft bore specifications H, P only.
	 U d=2 when the Shaft Bore Specifications is V. O The pilot hole for tapping may go through. Not applicable to the Shaft Bore Specifications F or Y. O SC is not applicable to the Shaft Bore. 		Application Notes Not applicable for 1.5GT		specifications	V, F only.	① TL < L-W	
			ot applicable to Shaft Bore Specifications F or Y.		 Minimum thickness is 2mm Conditions vary depending on the shaft hole specifications 		ig groove 2 dimension	<u>_+ +™</u>
Spec.	$\downarrow \downarrow$	Specification P and N.					RG7	
		P, N, C, KC90 is not availa	ble.	ZSC ZFC	ZSC ZFC ZTC		SRG +0.1	
		M Selection: M3, M4, M5, M6, M8 Ordering Code: QFC28-M4						
		M×2 (6 Places)	(4 Places) (3 Places)	6-ZM 4	<u>-zm</u>		┍┢╆┿╅╴╿	
						Ā		
			<u>4-M</u> <u>3-M</u>					
Alterations	Hub Shortenin	g 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
	Cuts the hub length	in Flange is not Installed.	Flange installed on	Cuts the outer diameter	Changes the tapped	Changes the length	Machines throu	ugh hole on the side surface
	Ordering Code: BC	6.5	or the opposite side	increments	Applicable to Shaft Para appointion	SCIEWS.	Ordering Code: KTC28-K4.5	
	Application Notes	1	Same on A Shape	Application Notes	P, N, C only.	Bore specification	K, C Selection Please specify	: the hole's manufacturing position
	specification H, 3 <bc<i -w<="" td=""><td>V, F:</td><td>RFC LFC</td><td>\bigcirc FC ≥ (0.D.) + 1</td><td>M TPC</td><td>r, N, C Olly.</td><td>(P.C.D.) K Specificatio</td><td>n: K4 0-11 0 (0 5mm increments)</td></bc<i>	V, F:	RFC LFC	\bigcirc FC ≥ (0.D.) + 1	M TPC	r, N, C Olly.	(P.C.D.) K Specificatio	n: K4 0-11 0 (0 5mm increments)
	Shaft Bore Shaft Bore	╷╷│╻└╌┙҇て		 In the surface 	M4 M5 M5 M4, M6	Set Screw SLH M4 x 3 5, 8	Application Not	tes
Spec.	M+3≤BC≤L-W	N, U.	╎└┰╴┝╌╴│	treatment applied on flange	M6 M5, M8	M5 x 4 6, 10	😣 Not availab	le for K shape
	Not available for K, A shape	r		circumference.	M10 M8	M6 x 5 10 M8 x 6 10, 12	KSC	C KFC KTC
)=((+) ^{BC/2}			Ì−ĨŢİ	Ordering Code: TPC5	M10 x 8 12, 15	E C	
						Ordering Code:		
	BC			<u>,</u>		olino.		Through Through Through
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Features of Non-Backlash Pullevs (S8M)								
– Non-ba	acklash pulley has	reduced backlash compar	e to conventional type t	o work with high-accu	uracy positioning mech	anism.		
- Backlash is significantly smaller than standard pulleys. (The amount reduced depends on application.)								

- Use regular S8M timing belt.

Reference: Comparison of Deviation Angles Between Non-Backlash Pulleys & Standard Pulleys



Timing Pulleys / Belts / Keyless

Bushings

📌 MiSUMi

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