Keyless Timing Pulleys - H

For Timing Belts, see F.1463. For Open End Belts, see F.1476. Part Number SSurface Treatment Table 1: Select Shaft Bore Dia Belt Width Belt Width Belt Width Belt Wid Max. Allowable Torque N•m D 19.1mm 25.4mm 38.1mm 50.8mm ST Bushing SH Bushing ST Bushing SH Bushing (3/4inch) (1inch) (15inch) (2inch) A:21 W:26 | A:27 W:32 | A:40 W:45 | A:54 W:59 *1. The above material and accessory might be changed to the ones equivalent to the originals. Pulley Shape E Shape F Shape 353 141 54 53 382 149 57 56 Tightening Screw * For quantity and size of 53 15.5 Tooth Profile (ISO Standard Rack Dimensions) tightening screws with flange installed see BT P 1425 Surface treatment may not be applied to shaft bores. 19 Two types of bushings are 20 available: Standard Type (ST Bushings) and Short Type (SH 24.5 Bushings), BF P.1425 Out Flange for 38~50 Toothed Electroless nickel plated bushing (Alterations BMC, BMR) decreases Tooth groove dimensions slightly vary according maximum allowable forque and allowable thrust load by 20 ~ 30% to the number of teeth (Pitch:12.7mm) 19 20 21 22 24 25 26 28 30 32 34 36 38 40 42 44 48 50 P.D. | 56.60 | 60.64 | 64.68 | 68.72 | 72.77 | 76.81 | 80.85 | 84.89 | 88.94 | 97.02 | 101.06 | 105.11 | 113.19 | 121.28 | 129.36 | 137.45 | 145.53 | 153.62 | 161.70 | 169.79 | 177.87 | 194.04 | 202.13

Pai	Part Number				dh	Range (,): Sele	Range (,): Select the former or latter, (~): Specify in 1mm Increment							
	Number	Type,	Pulley		Sha	pe E			Sha	pe F				
Type	of Teeth	Nominal	Shape	H075	H100	H150	H200	H075	H100	H150	H200			
	UI ICCUI	Width		ST Bushing	ST Bushing	ST Bushing	ST Bushing	SH Bushing	ST Bushing	ST Bushing	ST Bushing			
	14			12, 14~17	12, 14~17	15~17	16~17	12, 14~17	12, 14~17	15~17	16~17			
	15			14~20	14~20	15~20	16~20	14~20	14~20	15~20	16~20			
	16 17 18	H075		14~20, 22, 24, 25	14~20, 22, 24, 25	15~20, 22, 24, 25	16~20, 22, 24, 25	14~20, 22, 24, 25	14~20, 22, 24, 25	15~20, 22, 24, 25	16~20, 22, 24, 25			
	19	*A:21		14~20, 22, 24,	14~20, 22, 24,	15~20, 22, 24,	16~20, 22, 24,	14~20, 22, 24,	14~20, 22, 24,	15~20, 22, 24,	16~20, 22, 24,			
	20	*W:26		25, 28, 30, 32	25, 28, 30, 32	25, 28, 30, 32	25, 28, 30, 32	25, 28, 30, 32	25, 28, 30, 32	25, 28, 30, 32	25, 2, 30, 32			
	21	W.20		14~20, 22, 24, 25,	14~20, 22, 24, 25,	15~20, 22, 24, 25,	16~20, 22, 24, 25,	14~20, 22, 24, 25,	14~20, 22, 24, 25,	15~20, 22, 24, 25,	16~20, 22, 24, 25,			
	22	H100 *A:27 *W:32		28, 30, 32, 35	28, 30, 32, 35	28, 30, 32, 35	28, 30, 32, 35	28, 30, 32, 35	28, 30, 32, 35	28, 30, 32, 35	28, 30, 32, 35			
	24			19, 20, 22, 24, 25, 2	8, 30, 32, 35	19, 20, 22, 24, 25, 2	8, 30, 32, 35	19, 20, 22, 24, 25, 2	8, 30, 32	19, 20, 22, 24, 25, 2	8, 30, 32, 35			
MTPLA	25 26		E	19, 20, 22, 24, 25, 28, 30,	32, 35, 38, 40, 42	19, 20, 22, 24, 25, 28, 30,		19, 20, 22, 24, 25, 2	28, 30, 32	19, 20, 22, 24, 25, 28, 30,	32, 35, 38, 40, 42			
MTPL	26	W.32	-	20, 22, 24, 25,	20, 22, 24, 25,		20, 22, 24, 25,	20, 22, 24, 25,	20, 22, 24, 25,	20, 22, 24, 25,	20, 22, 24, 25,			
	28	H150	F	28, 30, 32, 35,	28, 30, 32, 35,	28, 30, 32, 35,	28, 30, 32, 35,	28, 30, 32	28, 30, 32	28, 30, 32, 35,	28, 30, 32, 35,			
MTPLP	30	*A:40		38, 40, 42	38, 40, 42	38, 40, 42	38, 40, 42			38, 40, 42	38, 40, 42			
	32	*W:45		20, 22, 24, 25, 28,	20, 22, 24, 25, 28, 3	30, 32, 35, 38, 40, 42	. 45, 48	20, 22, 24, 25,	20, 22, 24, 25,	20, 22, 24, 25, 28,	20, 22, 24, 25, 28, 30,			
		W.45		30, 32, 35, 38, 40, 42	20, 22, 21, 20, 20,		., 10, 10		28, 30, 32	30, 32, 35, 38, 40, 42	32, 35, 38, 40, 42, 45, 48			
	34	H200		20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	20, 22, 24, 25, 28, 3	30, 32, 35, 38, 40, 42	2, 45, 48, 50	20, 22, 24, 25, 28, 30, 32	20, 22, 24, 25, 28, 30, 32	20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42	20, 22, 24, 25, 28, 30, 32, 35, 38, 40, 42, 45, 48, 50			
	38	*A:54			25, 28, 30, 32,	25, 28, 30, 32,				25, 28, 30, 32,				
	40	*W:59		-	35, 38, 40, 42,	35, 38, 40, 42,	-	-	25, 28, 30, 32	35, 38, 40, 42	-			
	42				45, 48, 50	45, 48, 50				30, 30, 40, 42				
	44				25, 28, 30, 32,	25, 28, 30, 32,				25, 28, 30, 32,				
	48 50			-	35, 38, 40, 42,	35, 38, 40, 42,	-	-	25, 28, 30, 32	35, 38, 40, 42	-			
	50				45, 48, 50	45, 48, 50		l		00, 00, 40, 42				

O.D. 55.22 59.27 63.31 67.35 71.39 75.44 79.48 83.52 87.56 95.65 99.69 103.73 111.82 119.90 127.99 136.07 144.16 152.24 160.33 168.41 176.50 192.67 200.76 61 67 70 80 80 87 87 95 95 104 111 111 123 127 135 144 152 165 170 180 190 205 210 E 45 50 56 60 60 67 67 75 75 84 90 90 102 105 115 125 130 140 150 155 170 180 185

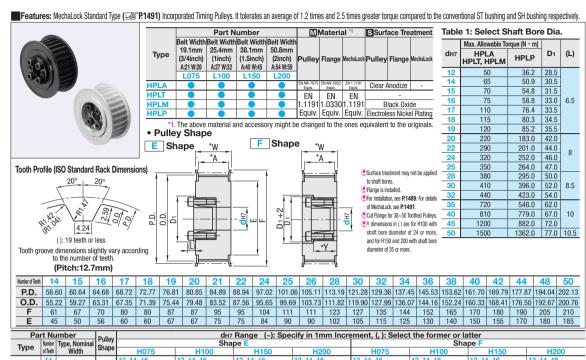
		Unit Price												Altor	Part Number				
Number				MT	PLA				MTPL (x1.0) MTPLP (x1.1)								Alterations Part Number MTPLA20H100		
of Teeth	Н	75		00		50	H2	200	H10	075		00		50		200			
	Shape E	Shape F	Shape E	Shape F	Shape E	Shape F	Shape E	Shape F	Shape E	Shape F	Shape E	Shape F	Shape E	Shape F	Shape E	Shape F	Alterations		
14																	Code		
15																			
16																		Applies electroless nicke (Antirusting treatment is	
17 18			_		_		_		_		_		_		_			Electroless nickel pla	
19			-		-		-		-		-		-		-		Spec.	30%.	
20			 						 		 		 		 			BMC: Not RoHS Complian	
21			 		_		_		_		_		_		_			BMR: RoHS Compliant (S	
22																			
24																			
25					i –		i –		i –		i –		i –		i –				
26																	Alterations	Flange Cut	
28																	Code	FC	
30																		^ ^	
32																		 	
34																			
36			<u> </u>						<u> </u>		<u> </u>		<u> </u>				0		
38											<u> </u>		├─		l		Spec.		
40 42													_		l			' 	
44	-	-	-	-	-	-	-	-	-	-			-		-	-		, , ,	
48													-		ł			For details of	
50															1				

Pulley Shape - Shaft Bore Dia.

er - Pulley Shape - Shaft Bore Dia. - (BMC···etc.) Surface Treatment cel plating on a bushing. s applied to screws.) alated bushing decreases allowable torque by 20 ant (Screw: EN 1.7220 Equiv. Dacrotized Treatment) (Screw: EN 1.7220 Equiv. GeoMet Coating) Flange Not Swaged Flange Swaged on One Side f specs., refer to the right-hand page.

Keyless Timing Pulleys - H

MechaLock Standard Type Incorporated (With Centering Function)



Part Number			Pulley	dн7 Range (~): Specify in 1mm Increment, (,): Select the former or latter										
Type	Number	Type, Nominal Width	Chang		Sha	pe E			Shape F					
Type	of Teeth	Width	Silape	11070	H100	H150	H200	H075	H100	H150	H200			
	14			12, 14~16	12, 14~16	12, 14~16	12, 14~16	12, 14~16	12, 14~16	12, 14~16	12, 14~16			
	15		l	14~19	14~19	14~19	14~19	14~19	14~19	14~19	14~19			
	16	H075	l	14~20	14~20	14~20	14~20	14~19	14~20	14~20	14~20			
	17	*A:21 *W:26		14~20, 22	14~20, 22	14~20, 22	14~20, 22	14~19	14~20, 22	14~20, 22	14~20, 22			
	19	*Y:18	l	14~20, 22,	14~20, 22,	14~20, 22,	14~20, 22,	14~19	14~20, 22,	14~20, 22,	14~20, 22,			
	20	H100	l	24, 25, 28	24, 25, 28	24, 25, 28	24, 25, 28		24, 25, 28	24, 25, 28	24, 25, 28			
	21	*A:27 *W:32		14~20, 22, 24, 25, 28, 30, 32	14~20, 22, 24, 25, 28, 30, 32	14~20, 22, 24, 25, 28, 30, 32	14~20, 22, 24, 25, 28, 30, 32	14~19	14~20, 22, 24, 25, 28, 30	14~20, 22, 24, 25,	28, 30, 32			
HPLA	24	*Y:22	F (2)	19, 20, 22, 24,	19, 20, 22, 24, 25,				19, 20, 22,	19, 20, 22, 24, 25,	28, 30, 32			
	25	(d24~:Y=23.5)		25, 28, 30, 32	19, 20, 22, 24, 25,			19	24, 25, 28, 30	19, 20, 22, 24, 25,				
HPLN 28 HPLP 30 32 34	26 28 30	H150 *A:40 *W:45		20, 22, 24, 25		20, 22, 24, 25, 28, 20, 22, 24, 25, 28, 20, 22, 24, 25, 28,	30, 32, 35 30, 32, 35, 40		-	20, 22, 24, 25, 28, 30	20, 22, 24, 25, 28, 20, 22, 24, 25, 28, 20, 22, 24, 25, 28, 30,	30, 32, 35 30, 32, 35, 40		
	32 34 36	*Y:28 (d35~:Y=32) H200		20, 22, 24, 25, 28, 30, 32	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50			-	20, 22, 24, 25, 28, 30	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50			
	38 40 42 44 48 50	*A:54 *W:59 *Y:35 (d35~:Y=39)		-	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50	-	-	20, 22, 24, 25, 28, 30	20, 22, 24, 25, 28, 30, 32, 35, 40, 45, 50	-			



											Altera		Shape - Shaft Bore Dia. - (BMC···etc.) E	
Number	Body Price 1 ~ 10 pc(s).								dH7	MechaLock Incorporation	Alteration	Surface Treatment	Flange Cut	
of Teeth		HP	LA		HPLT (x1.	HPLM (x1.05) HP	LP (x1.15)	uni	Charge (+ Body Price)	Code	BMC, BMR	FC	
0.1000.	H075	H100	H150	H200	H075	H100	H150	H200	12			Applies electroless nickel plating on a MechaLock. Lowers flange by cutting.		
14									14			Mechalock. (Antirusting treatment is applied to	FC: 0.5mm Increment	
15									15			screws.)	No surface treatment is applied	
16									16			PElectroless nickel plating decreas	on flange circumference.	
17									17		Spec.	bushing's allowable torque by 20 30%.	1 2 2	
18									18		opec.	BMC:Not RoHS Compliant	FC≥(0. D.)+1	
19 20									19			Screw: EN 1.7220 Equiv. Dacrotized Screw: EN 1.7220 Equiv. Dacrotized Screw: EN 1.7220 Equiv. GeoMet Screw: EN 1.7220 Equiv.		
									20					
21									22 24					
22									24			Coating)	V V	
24									25					
25									28					
26 28									30		Altoration	Flange Not Swaged	Flange Swaged on One Side	
									32					
30									35		Code	NFC	LFC, RFC	
32									40			Flange is not installed.	Flange is installed on either the bushing	
34									45			(Flange Included)	side (LFC) or the opposite side (RFC)	
36									50				prior to shipping. (Flange 1 pc. Included)	
38 40 42 44 48 50												١,, ١	LFC RFC	
40											Spec.			
42	-	-	-	-	-			-				+- :+	+	
44														
48												1,(

Code		Flange Cut				
	BMC, BMR	FC				
Spec.	Applies electroless nickel plating of Mechal cok. (Antinusting treatment is applied to screws.) (*Flextroless nickel plating decreas bushings allowable torque by 20 30%. SIMC Allot HAHS Compilant (Screw: BH 1.7220 Equiv. Darotized Treatment) BMR-RoHS Compilant (Screw: BH 1.7220 Equiv. GeoMe Coating)	PC: 0.5 mm Increment PC: 0.5 mm Increment				
Alteration	Flange Not Swaged	Flange Swaged on One Side				

Alteration	Flange Not Swaged	Flange Swaged on One Side
Code	NFC	LFC, RFC
Spec.	Flange is not installed. (Flange Included)	Flange is installed on either the bushing side (LFC) or the opposite side (RFC) prior to shipping, (Flange 1 pc. Included)