


High Torque Timing Pulleys - S14M

For High Torque Timing Belts, see **P.1465** and for Idlers with Teeth, see **P.1451**. On 2014 and later, S14M Type is to be delivered with flange included.



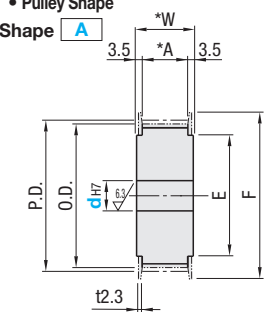
Shipped with flange included. **RoHS10**

Type	Belt Width		Material*		Surface Treatment
	40mm	60mm	Pulley	Flange	
HTPTNF	●	●	S45C Equivalent	S45C	-
HTPMNF	●	●			Black Oxide

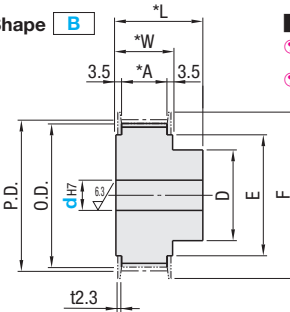
* The above material might be changed to the one equivalent to the original.

• Pulley Shape

Shape A

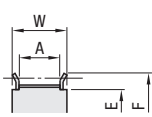


Shape B

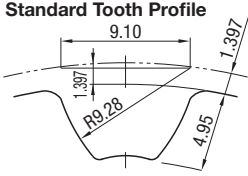


■ Flange Shape

Flanges are normally machined but may be substituted with press formed products in some cases.
Press formed flange may be shaped as shown below.



Standard Tooth Profile



Tooth groove dimensions slightly vary according to the number of teeth.
(Pitch:14.0mm)

Number of Teeth / Dimension

mm	Number of Teeth										
	28	30	32	34	36	40	42	44	48	50	56
P.D.	124.78	133.69	142.60	151.52	160.43	178.25	187.17	196.08	213.90	222.82	249.55
O.D.	121.98	130.90	139.81	148.72	157.63	175.46	184.37	193.28	211.11	220.02	246.76
D	90	100	110	120	120	135	145	155	160	160	160
F	136	144	152	161	172	190	200	208	224	235	260
E	101	111	121	131	141	161	164	173	190	200	224

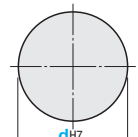
Belt Nominal Width / Dimension

mm	Nominal	
	S14M400	S14M600
A	46	67
W	53	74
L (Number of Teeth 28-40)	73	94
L (Number of Teeth 44-56)	78	99

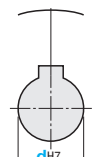
Shaft Bore Specs

Surface treatment may not be applied to shaft bores. Upon delivery, Flange is included without being swaged on.

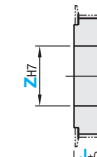
H Round Hole




N New JIS Keywayed Bore



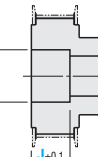
C Old JIS Keywayed Bore



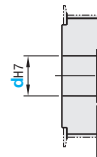
G New JIS Keywayed Bore + Stepped Hole



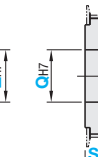
V Stepped Hole



F Stepped Hole (Counterbored Holes on the Hub Side)



Y Both Ends Stepped Hole



No tapped holes or set screws.
Specify Alteration TP when tapped hole is required.

No tapped holes or set screws.
For Keyway Dimension Details, see P.1377.
Specify Alteration TP when tapped hole is required.

No tapped holes or set screws.
Specify Alteration TP when tapped hole is required.

No tapped holes or set screws.

Applicable to Shape B only.
No tapped holes or set screws.

Applicable to Shape A only.
Shaft Bore Dia. d is +0.1 / 0
No tapped holes or set screws.

Part Number	Type	Number of Teeth	Type Nominal Width	Pulley Shape	Shaft Bore Specifications (-): Specify in 1mm Increment, (:): Select the former or latter									
					A					B				
					H Round Hole	N, C, G Keyway	V Stepped Hole		Y Both Ends Stepped			H Round Hole	N, C, G Keyway	V, F Stepped Hole
28	Steel HTPTNF	30	S14M400	A	30-70	30-70	30-66	30-70	30-66	35-75	30-60	30-60	30-56	30-60
30					30-80	30-70	30-76	30-80	30-76	35-85	30-70	30-70	30-66	30-70
32					30-85	30-70	30-81	30-85	30-81	35-90	30-75	30-70	30-71	30-75
34					30-90	30-70	30-86	30-90	30-86	35-95	30-85	30-70	30-81	30-85
36					30-95	30-70	30-91	30-95	30-91	35-100	30-85	30-70	30-81	30-85
40					35-105	35-70	35-101	35-105	35-101	40-110	35-95	35-70	35-91	35-95
42					35-110	35-70	35-106	35-110	35-106	40-115	35-100	35-70	35-96	35-100
44					35-115	35-70	35-111	35-115	35-111	40-120	35-100	35-70	35-96	35-100
48					40-120	40-70	40-116	40-120	40-116	45-125	40-110	40-70	40-106	40-110
50					40-130	40-70	40-126	40-130	40-126	45-135	40-110	40-70	40-106	40-110
56	40-150	40-70	40-146	40-150	40-146	45-155	40-110	40-70	40-106	40-110				

Shaft Bore Dia. 31, 32, 46 ~ 49, 51 ~ 54, or 56 ~ 59 are not available for Shaft Bore Specs. N, C and G.
When Z±d+ key height for Shaft Bore Specs. G, keyway is added to the Z dimension part.

Ordering Example

Part Number - Pulley Shape - Shaft Bore Specs, I.D. - Z - J - Q - R - S - T

(Shaft Bore Specs.: H, N, C) HTPTNF32-S14M400 - A - H40

(Shaft Bore Specs.: G, V, F) HTPMNF48-S14M600 - B - G70 - Z90 - J90.0

(Shaft Bore Specs.: Y) HTPMNF56-S14M400 - A - Y80 - Q120 - R120 - S20 - T20