

Timing Pulleys - H

For Timing Belts, see **P.1497**. For Long Timing Belts, see **P.1507**. For Keyless Timing Pulleys, see **P.1463, 1464**. For Idlers with Teeth, see **P.1481**.

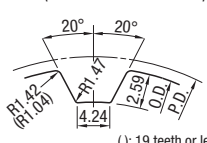


RoHS 10

Type	Belt Width					Material*1		Surface Treatment	Accessory*1 Set Screws
	19.1mm (3/4inch) H075 (Number of Teeth: Up to 36)	25.4mm (1inch) H100	38.1mm (1.5inch) H150	50.8mm (2inch) H200 (Number of Teeth: Up to 36)	76.2mm (3inch) H300 (Number of Teeth: Up to 36)	Pulley	Flange*3		
ATPA	●	●	●	●	●	Extra Super Duralumin Aluminum Alloy	Aluminum Alloy	Clear Anodize	SUS304
ATPB	●	●	●	●	Black Anodize				
ATPK	●	●	●	●	Hard Clear Anodize*2				
ATPN	●	●	●	●	Electroless Nickel Plating				
ATPT	●	●	●	●	S45C Equivalent	SPCC	Black Oxide	SCM435 (Black Oxide)	
ATP	●	●	●	●			Electroless Nickel Plating		
ATPP	●	●	●	●					

*1. The above material and accessory might be changed to the ones equivalent to the originals.
*2. Hard Clear Anodize: Film Hardness 300HV ~
*3. Flange is not included for Shape D.

Tooth Profile (ISO Standard Rack Dimensions)



(): 19 teeth or less.

Tooth groove dimensions slightly vary according to the number of teeth.

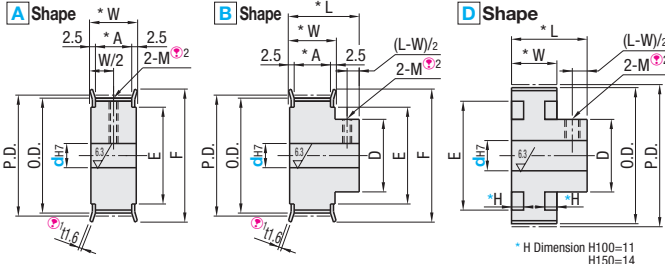
(Pitch: 12.7mm)

Aluminum flanges will have a thickness of 1.5.

t=2.0 for 38-50 teeth. (Machined Flange)

Shaft Bore Specs. H (Round hole), V or F (Stepped Hole), Y (Both Sides Stepped Hole) and WB (Two-stepped Hole) do not have tapped holes.

Pulley Shape



Tapped Hole Dimensions (Shaft Bore Specs.: P, N, C)

dh7 Shaft Bore I.D.	M (Coarse)	Accessory Set Screw
12	M4	M4x3
13-17	M5	M5x4
18-30	M6	M6x5
31-46	M8	M8x6
47-70	M10	M10x8

Number of Teeth / Dimension

mm	Number of Teeth																											
	14	15	16	17	18	19	20	21	22	24	25	26	28	30	32	34	36	38	40	42	44	48	50	60	72			
P.D.	56.60	60.64	64.68	68.72	72.77	76.81	80.85	84.89	88.94	97.01	101.06	105.11	113.19	121.26	129.36	137.45	145.53	153.62	161.70	169.79	177.87	194.04	202.13	242.55	291.06			
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	241.18	288.69			
D	39	45	48	50	50	58	58	58	58	63	63	63	71	71	88	88	88	88	88	88	88	88	88	88	88			
F	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(126)	150(135)	155(143)	170(152)	180(168)	195(175)	216	265			

Belt Nominal Width / Dimension

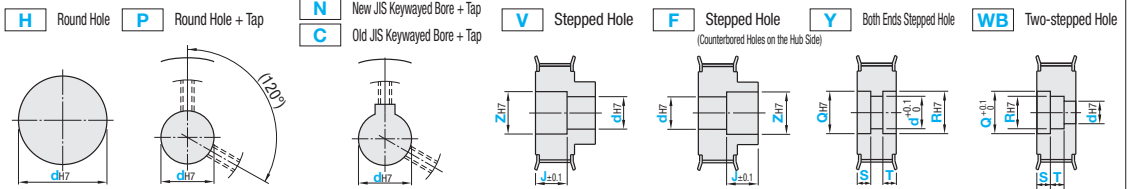
mm	Nominal				
	H075	H100	H150	H200	H300
A	21	27	40	54	80
W	26	32	45	59	85
L Number of Teeth 14-36	41	47	60	74	100
L Number of Teeth 38-50	-	53	65	-	-
L Number of Teeth 72	-	58	70	-	-

Shaft Bore Specs.

Select shaft bore spec mark and each dim. from the table below.

Surface treatment may not be applied to shaft bores.

E dimensions in () are for Shape D.



No tapped holes or set screws.

For A-Shape pulley, the screw holes are set at around 120° to keep away from peaks.

For Keyway Dimension Details, see P.1413.

Not applicable to Shape D. 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.

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

Part Number	Pulley Shape																								
	Type	Number of Teeth	Type Nominal Width	Shaft Bore Specs. "A"										Shaft Bore Specs. "B, D"											
				Shaft Bore Specs. "A": 1mm Increments "": Selectable										Shaft Bore Specs. "B, D": 1mm Increments "": Selectable											
				H(d) Round Hole		P(d) Round Hole + Tap		N(d), C(d) Keyway + Tap		V(d) Stepped Hole		Y(d), Q, R, R (WB)(d) Both Ends Stepped Hole - Two-stepped Hole		H(d) Round Hole		P(d) Round Hole + Tap		N(d), C(d) Keyway + Tap		V, F (d), T(d) Stepped Hole					
Aluminum	14	15	16	17	18	19	20	21	22	24	25	26	28	30	32	34	36	38	40	42	44	48	50	60	72
Steel	14	15	16	17	18	19	20	21	22	24	25	26	28	30	32	34	36	38	40	42	44	48	50	60	72

Shaft Bore Dia. 9, 51-54 are not available for Shaft Bore Specs. N. Shaft Bore Dia. 13, 14, 17 or 21 are not available for Shaft Bore Specs. C.



Ordering Example (Shaft Bore Specs.: H, P, N, C) ATP18H150 - B - N20 (Shaft Bore Specs.: V, F) ATP20H100 - A - V20 (Shaft Bore Specs.: Y, WB) ATP30H150 - A - Y25 - Q42 - R42 - S9 - T9