

Timing Pulleys

H Type

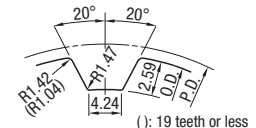
For Timing Belts, refer to P.1434, Long Timing Belts, refer to P.1444, Keyless Timing Pulleys, refer to P.1394, Idlers with Teeth, refer to P.1418.

Timing Pulleys – H Type



RoHS 10

Tooth Profile (ISO Standard Rack Dimensions)



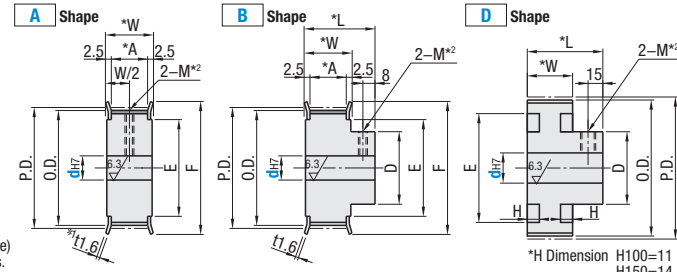
19 teeth or less
Tooth groove dimensions slightly change according to No. of teeth.

(Pitch: 12.7 mm)
*1 t=2.0 for 38–50 toothed pulleys (Cut Flange).
*2 Shaft Bore Specifications H (Round Hole), V F (Stepped Hole) and Y (Both Sides Stepped Hole), do not have tapped holes.

Belt Width 19.1 mm (3/4")		Belt Width 25.4 mm (1")		Belt Width 38.1 mm (1.5")		Belt Width 50.8 mm (2")		Material		Surface Treatment				
A: 21	W: 26	L: 41	A: 27	W: 32	L: 47	A: 40	W: 45	L: 60	A: 54		W: 59	L: 74	Pulley	Flange
ATPA_H075	ATPB_H075	ATPK_H075	ATPN_H075	ATPA_H100	ATPB_H100	ATPK_H100	ATPN_H100	ATPA_H150	ATPB_H150	ATPK_H150	ATPN_H150	Ultra Duralumin-Based Aluminum Alloy	Aluminum Alloy	Clear Anodize
ATPA_H200	ATPB_H200	ATPK_H200	ATPN_H200	ATPA_H250	ATPB_H250	ATPK_H250	ATPN_H250	ATPA_H300	ATPB_H300	ATPK_H300	ATPN_H300	1045 Carbon Steel or Equivalent	Low Carbon Steel	Black Anodize
ATPA_H400	ATPB_H400	ATPK_H400	ATPN_H400	ATPA_H500	ATPB_H500	ATPK_H500	ATPN_H500	ATPA_H600	ATPB_H600	ATPK_H600	ATPN_H600			Hard Clear Anodize*
ATPA_H800	ATPB_H800	ATPK_H800	ATPN_H800	ATPA_H1000	ATPB_H1000	ATPK_H1000	ATPN_H1000	ATPA_H1500	ATPB_H1500	ATPK_H1500	ATPN_H1500			Electroless Nickel Plating
ATPA_H2000	ATPB_H2000	ATPK_H2000	ATPN_H2000	ATPA_H3000	ATPB_H3000	ATPK_H3000	ATPN_H3000	ATPA_H4000	ATPB_H4000	ATPK_H4000	ATPN_H4000			Black Oxide
ATPA_H5000	ATPB_H5000	ATPK_H5000	ATPN_H5000	ATPA_H7000	ATPB_H7000	ATPK_H7000	ATPN_H7000	ATPA_H10000	ATPB_H10000	ATPK_H10000	ATPN_H10000			Electroless Nickel Plating

Flanges are installed. Set screws are included with P, N & C bore hole specification. *Hard Anodize Treatment: Film Hardness 300 HV min.

Pulley Shape



Tapped Hole Dimensions (Shaft Bore: P / N / C)

d _{H7} Shaft Bore Inner Dia.	M (Coarse)	Accessory Set Screw
12	M4	M4 x 3
13-17	M5	M5 x 4
18-30	M6	M6 x 5
31-46	M8	M8 x 6
47-65	M10	M10 x 8

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	92.98	97.02	101.06	105.11	109.15	113.19	117.23	121.28	125.32	129.36	133.40	137.44	141.48	145.52	149.56	153.60	157.64	161.68	165.72	169.76	173.80	177.84	181.88	185.92	189.96	194.00	198.04	202.08	206.12	210.16	214.20	218.24	222.28	226.32	230.36	234.40	238.44	242.48	246.52	250.56	254.60	258.64	262.68	266.72	270.76	274.80	278.84	282.88	286.92	290.96	295.00	299.04	303.08	307.12	311.16	315.20	319.24	323.28	327.32	331.36	335.40	339.44	343.48	347.52	351.56	355.60	359.64	363.68	367.72	371.76	375.80	379.84	383.88	387.92	391.96	396.00	400.04	404.08	408.12	412.16	416.20	420.24	424.28	428.32	432.36	436.40	440.44	444.48	448.52	452.56	456.60	460.64	464.68	468.72	472.76	476.80	480.84	484.88	488.92	492.96	497.00	501.04	505.08	509.12	513.16	517.20	521.24	525.28	529.32	533.36	537.40	541.44	545.48	549.52	553.56	557.60	561.64	565.68	569.72	573.76	577.80	581.84	585.88	589.92	593.96	598.00	602.04	606.08	610.12	614.16	618.20	622.24	626.28	630.32	634.36	638.40	642.44	646.48	650.52	654.56	658.60	662.64	666.68	670.72	674.76	678.80	682.84	686.88	690.92	694.96	699.00	703.04	707.08	711.12	715.16	719.20	723.24	727.28	731.32	735.36	739.40	743.44	747.48	751.52	755.56	759.60	763.64	767.68	771.72	775.76	779.80	783.84	787.88	791.92	795.96	799.00	803.04	807.08	811.12	815.16	819.20	823.24	827.28	831.32	835.36	839.40	843.44	847.48	851.52	855.56	859.60	863.64	867.68	871.72	875.76	879.80	883.84	887.88	891.92	895.96	899.00	903.04	907.08	911.12	915.16	919.20	923.24	927.28	931.32	935.36	939.40	943.44	947.48	951.52	955.56	959.60	963.64	967.68	971.72	975.76	979.80	983.84	987.88	991.92	995.96	999.00	1003.04	1007.08	1011.12	1015.16	1019.20	1023.24	1027.28	1031.32	1035.36	1039.40	1043.44	1047.48	1051.52	1055.56	1059.60	1063.64	1067.68	1071.72	1075.76	1079.80	1083.84	1087.88	1091.92	1095.96	1099.00	1103.04	1107.08	1111.12	1115.16	1119.20	1123.24	1127.28	1131.32	1135.36	1139.40	1143.44	1147.48	1151.52	1155.56	1159.60	1163.64	1167.68	1171.72	1175.76	1179.80	1183.84	1187.88	1191.92	1195.96	1199.00	1203.04	1207.08	1211.12	1215.16	1219.20	1223.24	1227.28	1231.32	1235.36	1239.40	1243.44	1247.48	1251.52	1255.56	1259.60	1263.64	1267.68	1271.72	1275.76	1279.80	1283.84	1287.88	1291.92	1295.96	1299.00	1303.04	1307.08	1311.12	1315.16	1319.20	1323.24	1327.28	1331.32	1335.36	1339.40	1343.44	1347.48	1351.52	1355.56	1359.60	1363.64	1367.68	1371.72	1375.76	1379.80	1383.84	1387.88	1391.92	1395.96	1399.00	1403.04	1407.08	1411.12	1415.16	1419.20	1423.24	1427.28	1431.32	1435.36	1439.40	1443.44	1447.48	1451.52	1455.56	1459.60	1463.64	1467.68	1471.72	1475.76	1479.80	1483.84	1487.88	1491.92	1495.96	1499.00	1503.04	1507.08	1511.12	1515.16	1519.20	1523.24	1527.28	1531.32	1535.36	1539.40	1543.44	1547.48	1551.52	1555.56	1559.60	1563.64	1567.68	1571.72	1575.76	1579.80	1583.84	1587.88	1591.92	1595.96	1599.00	1603.04	1607.08	1611.12	1615.16	1619.20	1623.24	1627.28	1631.32	1635.36	1639.40	1643.44	1647.48	1651.52	1655.56	1659.60	1663.64	1667.68	1671.72	1675.76	1679.80	1683.84	1687.88	1691.92	1695.96	1699.00	1703.04	1707.08	1711.12	1715.16	1719.20	1723.24	1727.28	1731.32	1735.36	1739.40	1743.44	1747.48	1751.52	1755.56	1759.60	1763.64	1767.68	1771.72	1775.76	1779.80	1783.84	1787.88	1791.92	1795.96	1799.00	1803.04	1807.08	1811.12	1815.16	1819.20	1823.24	1827.28	1831.32	1835.36	1839.40	1843.44	1847.48	1851.52	1855.56	1859.60	1863.64	1867.68	1871.72	1875.76	1879.80	1883.84	1887.88	1891.92	1895.96	1899.00	1903.04	1907.08	1911.12	1915.16	1919.20	1923.24	1927.28	1931.32	1935.36	1939.40	1943.44	1947.48	1951.52	1955.56	1959.60	1963.64	1967.68	1971.72	1975.76	1979.80	1983.84	1987.88	1991.92	1995.96	1999.00	2003.04	2007.08	2011.12	2015.16	2019.20	2023.24	2027.28	2031.32	2035.36	2039.40	2043.44	2047.48	2051.52	2055.56	2059.60	2063.64	2067.68	2071.72	2075.76	2079.80	2083.84	2087.88	2091.92	2095.96	2099.00	2103.04	2107.08	2111.12	2115.16	2119.20	2123.24	2127.28	2131.32	2135.36	2139.40	2143.44	2147.48	2151.52	2155.56	2159.60	2163.64	2167.68	2171.72	2175.76	2179.80	2183.84	2187.88	2191.92	2195.96	2199.00	2203.04	2207.08	2211.12	2215.16	2219.20	2223.24	2227.28	2231.32	2235.36	2239.40	2243.44	2247.48	2251.52	2255.56	2259.60	2263.64	2267.68	2271.72	2275.76	2279.80	2283.84	2287.88	2291.92	2295.96	2299.00	2303.04	2307.08	2311.12	2315.16	2319.20	2323.24	2327.28	2331.32	2335.36	2339.40	2343.44	2347.48	2351.52	2355.56	2359.60	2363.64	2367.68	2371.72	2375.76	2379.80	2383.84	2387.88	2391.92	2395.96	2399.00	2403.04	2407.08	2411.12	2415.16	2419.20	2423.24	2427.28	2431.32	2435.36	2439.40	2443.44	2447.48	2451.52	2455.56	2459.60	2463.64	2467.68	2471.72	2475.76	2479.80	2483.84	2487.88	2491.92	2495.96	2499.00	2503.04	2507.08	2511.12	2515.16	2519.20	2523.24	2527.28	2531.32	2535.36	2539.40	2543.44	2547.48	2551.52	2555.56	2559.60	2563.64	2567.68	2571.72	2575.76	2579.80	2583.84	2587.88	2591.92	2595.96	2599.00	2603.04	2607.08	2611.12	2615.16	2619.20	2623.24	2627.28	2631.32	2635.36	2639.40	2643.44	2647.48	2651.52	2655.56	2659.60	2663.64	2667.68	2671.72	2675.76	2679.80	2683.84	2687.88	2691.92	2695.96	2699.00	2703.04	2707.08	2711.12	2715.16	2719.20	2723.24	2727.28	2731.32	2735.36	2739.40	2743.44	2747.48	2751.52	2755.56	2759.60	2763.64	2767.68	2771.72	2775.76	2779.80	2783.84	2787.88	2791.92	2795.96	2799.00	2803.04	2807.08	2811.12	2815.16	2819.20	2823.24	2827.28	2831.32	2835.36	2839.40	2843.44	2847.48	2851.52	2855.56	2859.60	2863.64	2867.68	2871.72	2875.76	2879.80	2883.84	2887.88	2891.92	2895.96	2899.00	2903.04	2907.08	2911.12	2915.16	2919.20	2923.24	2927.28	2931.32	2935.36	2939.40	2943.44	2947.48	2951.52	2955.56	2959.60	2963.64	2967.68	2971.72	2975.76	2979.80	2983.84	2987.88	2991.92	2995.96	2999.00	3003.04	3007.08	3011.12	3015.16	3019.20	3023.24	3027.28	3031.32	3035.36	3039.40	3043.44	3047.48	3051.52	3055.56	3059.60	3063.64	3067.68	3071.72	3075.76	3079.80	3083.84	3087.88	3091.92	3095.96	3099.00	3103.04	3107.08	3111.12	3115.16	3119.20	3123.24	3127.28	3131.32	3135.36	3139.40	3143.44	3147.48	3151.52	3155.56	3159.60	3163.64	3167.68	3171.72	3175.76	3179.80	3183.84	3187.88	3191.92	3195.96	3199.00	3203.04	3207.08	3211.12	3215.16	3219.20	3223.24	3227.28	3231.32	3235.36	3239.40	3243.44	3247.48	3251.52	3255.56	3259.60	3263.64	3267.68	3271.72	3275.76	3279.80	3283.84	3287.88	3291.92	3295.96	3299.00	3303.04	3307.08	3311.12	3315.16	3319.20	3323.24	3327.28	3331.32	3335