

Standard Timing Belt Pulleys

Each timing belt pulley must match a timing belt of the same series, top width, and pitch.

H Series and L Series—Require a bushing to mount to the drive shaft and adapt the bore, or center hole, to the shaft size. They have trapezoidal tooth-shaped grooves that deliver low to moderate amounts of torque.

XL Series—These plain-bore timing belt pulleys have a starting bore, or center hole, that can be machined to the correct size of the shaft and application. Pulleys have trapezoidal tooth-shaped grooves that deliver low to moderate amounts of torque.



No. of Teeth	Pitch Dia.	Outside Dia.	Max. Bore Dia.	Min. Bore Dia.	Req. Bushing Series	Material	Item No.
H Series Bushed-Bore Timing Belt Pulleys							
For 1 in Belt Width							
14	2.228 in	2.438 in	1 in	3/8 in	G	Steel	6GEK1
16	2.546 in	2.492 in	1 in	3/8 in	G	Steel	6GEK2
18	2.856 in	2.811 in	1 1/2 in	3/8 in	H	Steel	6GEK3
20	3.183 in	3.129 in	1 1/2 in	3/8 in	H	Steel	6GEK4
22	3.501 in	3.813 in	1 1/2 in	3/8 in	H	Steel	6GEK5
22	3.501 in	3.813 in	1 3/4 in	1/2 in	P1	Steel	6GEK6
24	3.82 in	4.063 in	1 1/2 in	3/8 in	H	Steel	6GEK7
26	4.138 in	4.084 in	1 1/2 in	3/8 in	H	Steel	6GEK9
30	4.775 in	5 in	1 1/2 in	3/8 in	H	Steel	6GEL1
32	5.093 in	5.313 in	2 1/16 in	3/4 in	Q1	Steel	6GEL3
40	6.366 in	6.563 in	2 1/16 in	3/4 in	Q1	Steel	6GEL5
44	7.003 in	6.949 in	2 1/16 in	3/4 in	Q1	Steel	6GEL6
48	7.639 in	7.585 in	2 1/16 in	3/4 in	Q1	Steel	6GEL7
72	11.459 in	11.405 in	2 1/16 in	3/4 in	Q1	Steel	6GEL9
L Series Bushed-Bore Timing Belt Pulleys							
18	2.149 in	2.438 in	1 in	3/8 in	G	Steel	6GEH5
19	2.268 in	2.238 in	1 in	3/8 in	G	Steel	6GEH6
20	2.387 in	2.357 in	1 in	3/8 in	G	Steel	6GEH7
22	2.626 in	2.596 in	1 in	3/8 in	G	Steel	6GEH9
24	2.865 in	2.835 in	1 1/2 in	3/8 in	H	Steel	6GEJ0
26	3.104 in	3.074 in	1 1/2 in	3/8 in	H	Steel	6GEJ1
28	3.342 in	3.312 in	1 1/2 in	3/8 in	H	Steel	6GEJ2
30	3.581 in	3.813 in	1 1/2 in	3/8 in	H	Steel	6GEJ3
32	3.82 in	4.063 in	1 1/2 in	3/8 in	H	Steel	6GEJ4
36	4.297 in	4.688 in	1 1/2 in	3/8 in	H	Steel	6GEJ5
40	4.775 in	4.745 in	1 1/2 in	3/8 in	H	Steel	6GEJ7
44	5.252 in	5.222 in	1 1/2 in	3/8 in	H	Steel	6GEJ8
48	5.73 in	6 in	1 1/2 in	3/8 in	H	Steel	6GEJ9
60	7.162 in	7.132 in	1 1/2 in	3/8 in	H	Steel	6GEK0

No. of Teeth	Pitch Dia.	Outside Dia.	Max. Bore Dia.	Min. Bore Dia.	Req. Bushing Series	Material	Item No.
For 1/2 in Belt Width							
18	2.149 in	2.438 in	1 in	3/8 in	G	Steel	6FFV4
19	2.268 in	2.238 in	1 in	3/8 in	G	Steel	6FFV5
21	2.507 in	2.477 in	1 in	3/8 in	G	Steel	6FFV7
24	2.865 in	2.835 in	1 1/2 in	3/8 in	H	Steel	6FFV9
28	3.342 in	3.312 in	1 1/2 in	3/8 in	H	Steel	6GEG7
30	3.581 in	4.063 in	1 1/2 in	3/8 in	H	Steel	6GEG8
32	3.82 in	4.063 in	1 1/2 in	3/8 in	H	Steel	6GEG9
36	4.297 in	4.688 in	1 1/2 in	3/8 in	H	Steel	6GEH0
40	4.775 in	4.745 in	1 1/2 in	3/8 in	H	Steel	6GEH1
44	5.252 in	5.222 in	1 1/2 in	3/8 in	H	Steel	6GEH2
XL Series Plain-Bore Timing Belt Pulleys							
For 1/4 in, 3/8 in Belt Width							
48	1.364 in	3.056 in	3.036 in	1 in		Aluminum	6FFV1
For 3/8 in Belt Width							
10	0.637 in	0.875 in	1/4 in			Aluminum	6FFR3
14	0.891 in	1.094 in	3/8 in			Aluminum	6FFR4
20	0.955 in	1.188 in	3/8 in			Aluminum	6FFR7
15	1.019 in	1.25 in	1/2 in			Aluminum	6FFR8
18	1.146 in	1.375 in	1/2 in			Aluminum	6FFR9
20	1.273 in	1.5 in	3/8 in			Aluminum	6FFT0
22	1.401 in	1.625 in	3/8 in			Aluminum	6FFT2
24	1.528 in	1.75 in	3/8 in			Aluminum	6FFT3
28	1.783 in	2 in	3/4 in			Aluminum	6FFT4
30	1.91 in	2.125 in	1/2 in			Aluminum	6FFT5
44	2.801 in	2.781 in	1/2 in			Aluminum	6FFV0
60	3.82 in	3.813 in	1/2 in			Aluminum	6FFV2
72	4.584 in	4.563 in	1/2 in			Aluminum	6FFV3



H Series Bushed-Bore 6GEK3

Metric Timing Belt Pulleys

Pulleys must be matched with a compatible timing belt series, pitch, and width.

Bushed-Bore—Require a bushing to mount to the drive shaft and adapt the bore, or center hole, to the shaft size. Falcon HTC and Falcon Pd Series are for more demanding drive systems such as in heavy conveying equipment. Hawk Pd Series are for high capacity use; SilentSync Series for low noise and low vibration applications such as robotics.

Plain-Bore—Have a starting bore, or center hole, that can be machined to the size of the shaft. Keyways and/or set screws can be machined to fit the needs of the shaft and application. SilentSync Series are for low noise and low vibration applications such as robotics.

No. of Teeth	Pitch Dia.	Outside Dia.	Max. Bore Dia.	Req. Bushing Series	Material	Item No.
Falcon HTC Series Bushed-Bore Timing Belt Pulleys						
For 20 mm Belt Width						
30	133.7 mm	130.9 mm	2 in	2012	Cast Iron	3PDW1
40	178.3 mm	175.5 mm	2 1/2 in	2517	Cast Iron	3PDX8
For 21 mm Belt Width						
22	56.023 mm	54.42 mm	1 in	1008	Cast Iron	3PDV4
For 36 mm Belt Width						
140	356.5 mm	355.1 mm	3 in	3020	Cast Iron	3PDV2
For 37 mm Belt Width						
28	124.8 mm	122 mm	2 in	2012	Cast Iron	3PDV7
50	222.8 mm	220 mm	3 in	3020	Cast Iron	3PDZ1
60	267.4 mm	264.6 mm	3 in	3020	Cast Iron	3PDZ8
For 62 mm Belt Width						
50	127.324 mm	125.7 mm	2 1/2 in	2517	Cast Iron	3PDZ3
For 68 mm Belt Width						
40	178.3 mm	175.5 mm	3 in	3020	Cast Iron	3PDY1
56	249.6 mm	246.8 mm	3 1/2 in	3535	Cast Iron	3PDZ5
Falcon Pd Series Bushed-Bore Timing Belt Pulleys						
For 12 mm Belt Width						
22	56.023 mm	54.42 mm	1 in	1008	Cast Iron	2UWF4
25	63.662 mm	62.06 mm	1 3/8 in	1108	Cast Iron	2UWF5
34	86.581 mm	84.98 mm	1 1/2 in	1610	Steel	2UWH2
38	96.767 mm	95.17 mm	1 1/2 in	1610	Steel	2UWJ1
45	114.592 mm	112.99 mm	2 in	2012	Cast Iron	2UWJ9
50	127.324 mm	125.7 mm	2 in	2012	Cast Iron	2UWJ6
56	142.603 mm	141 mm	2 in	2012	Cast Iron	2UWL1
60	152.789 mm	151.19 mm	2 in	2012	Cast Iron	2UWL4
For 21 mm Belt Width						
25	63.662 mm	62.06 mm	1 3/8 in	1108	Cast Iron	2UWF6
26	66.209 mm	64.61 mm	1 3/8 in	1108	Cast Iron	2UWF8
28	71.302 mm	69.7 mm	1 3/8 in	1108	Cast Iron	2UWG2
30	76.395 mm	74.79 mm	1 1/2 in	1610	Steel	2UWG4
32	81.488 mm	79.89 mm	1 1/2 in	1610	Steel	2UWG8
34	86.581 mm	84.98 mm	1 1/2 in	1610	Steel	2UWH3
38	96.767 mm	95.17 mm	1 1/2 in	1610	Cast Iron	2UWJ2
40	101.86 mm	100.26 mm	1 1/2 in	1610	Cast Iron	2UWJ5
50	127.324 mm	125.7 mm	2 in	2012	Cast Iron	2UWK7
55	134.964 mm	133.59 mm	2 in	2012	Cast Iron	2UWK9
56	142.603 mm	141 mm	2 in	2012	Cast Iron	2UWL2
60	152.789 mm	151.19 mm	2 1/4 in	2517	Cast Iron	2UWL5
75	190.986 mm	189.39 mm	2 1/4 in	2517	Cast Iron	2UWL9
80	203.719 mm	202.12 mm	3 in	3020	Cast Iron	2UWN3
For 36 mm Belt Width						
32	81.488 mm	79.89 mm	1 1/2 in	1615	Steel	2UWG9
40	101.86 mm	100.26 mm	2 in	2012	Steel	2UWJ6
45	114.592 mm	112.99 mm	2 in	2012	Cast Iron	2UWK2
56	142.603 mm	141 mm	2 1/4 in	2517	Cast Iron	2UWL3
60	152.789 mm	151.19 mm	2 1/4 in	2517	Cast Iron	2UWL6
75	190.986 mm	189.39 mm	22 mm	3020	Cast Iron	2UWN1

No. of Teeth	Pitch Dia.	Outside Dia.	Max. Bore Dia.	Req. Bushing Series	Material	Item No.
Hawk Pd Series Bushed-Bore Timing Belt Pulleys						
For 20 mm Belt Width						
24	8 mm	61.12 mm	59.74 mm	—	JA	Cast Iron 3PEC1
30	8 mm	76.39 mm	75.13 mm	—	H, QT	Cast Iron 3PEC3
34	8 mm	86.58 mm	85.22 mm	—	SH	Cast Iron 3PEC4
56	8 mm	142.6 mm	141.22 mm	—	SDS	Cast Iron 3PEC8
72	8 mm	183.35 mm	181.97 mm	—	SDS	Cast Iron 3PEC9
For 30 mm Belt Width						
30	8 mm	76.39 mm	75.13 mm	12.7 mm	H, QT	Cast Iron 2UWN5
36	8 mm	91.67 mm	90.3 mm	12.7 mm	SH	Cast Iron 2UWN8
38	8 mm	96.774 mm	95.4 mm	12.7 mm	SH	Cast Iron 2UWN9
40	8 mm	101.86 mm	100.48 mm	12.7 mm	SH	Cast Iron 2UWP1
44	8 mm	112.04 mm	110.67 mm	12.7 mm	SDS	Cast Iron 2UWP2
48	8 mm	122.23 mm	120.85 mm	—	SDS	Cast Iron 3PE02
56	8 mm	142.6 mm	141.22 mm	12.7 mm	SDS	Cast Iron 2UWP3
72	8 mm	183.35 mm	181.97 mm	12.7 mm	SK	Cast Iron 2UWP5
80	8 mm	203.708 mm	202.34 mm	12.7 mm	SK	Cast Iron 2UWP6
For 40 mm Belt Width						
40	14 mm	178.25 mm	175.46 mm	—	SF	Cast Iron 3RAV7
For 50 mm Belt Width						
34	8 mm	86.58 mm	85.22 mm	—	SH	Cast Iron 3PED4
48	8 mm	122.23 mm	120.85 mm	—	SD	Cast Iron 3PED7
56	8 mm	142.6 mm	141.22 mm	—	SK	Cast Iron 3PED8
64	8 mm	162.967 mm	161.59 mm	—	SK	Cast Iron 3PED9
72	8 mm	183.35 mm	181.97 mm	—	SK	Cast Iron 3PEF1
SilentSync Series Bushed-Bore Timing Belt Pulleys						
For 32 mm Belt Width						
32	8 mm	81.49 mm	80.12 mm	—	H	Steel 45PN34
35	8 mm	96.77 mm	95.4 mm	—	SH	Steel 45PN40
78	8 mm	190.99 mm	189.62 mm	—	SF	Cast Iron 45PN56
For 35 mm Belt Width						
56	14 mm	249.56 mm	246.77 mm	—	E	Cast Iron 45PN98
For 70 mm Belt Width						
45	14 mm	200.54 mm	197.75 mm	—	E	Steel 45PR04
SilentSync Series Plain-Bore Timing Belt Pulleys						
For 16 mm Belt Width						
34	8 mm	86.58 mm	85.21 mm	—	—	Steel 45PM69
60	8 mm	152.79 mm	151.42 mm	—	—	Steel 45PM87
For 32 mm Belt Width						
20	8 mm	50.93 mm	49.56 mm	—	—	Steel 45PN11
24	8 mm	61.12 mm	59.75 mm	—	—	Steel 45PN17
30	8 mm	76.4 mm	75.03 mm	—	—	Steel 45PN33
60	8 mm	152.79 mm	151.42 mm	—	—	Steel 45PN54
For 52.5 mm Belt Width						
40	14 mm	178.26 mm	175.46 mm	—	—	Steel 45PP40
For 70 mm Belt Width						
30	14 mm	133.69 mm	130.9 mm	—	—	Steel 45PP73



Falcon Pd Series Bushed-Bore 2UWF4

Timing Belts Available

See pages 103 and 104 or search "timing belts" on Grainger.com for an even broader offering.