



Single-Stranded Plain-Bore Sprockets

For more sprocket sizes, go to Grainger.com
Type B plain bore ANSI standard sprockets are for use with standard roller chain and have 1-sided hub extension.



5GVF2

Outside Dia.	No. of Teeth	Bore Dia.	Material	Brand	Mfr. Model	Item No.
ANSI Sprocket No. 35"						
1.130"	8	3/8 in	Carbon Steel	Tsubaki	35B8	5WDY2 *
1.630"	12	1/2 in	Carbon Steel	Tsubaki	35B12	5WDY6 *
1.990"	15	1/2 in	Stainless Steel	Tsubaki	35B15SS	5GVF2
1.990"	15	1/2 in	Carbon Steel	Tsubaki	35B15	5WDY9
2.352"	18	1/2 in	Carbon Steel	Tsubaki	35B18	5WDZ2
4.990"	40	1/2 in	Stainless Steel	Tsubaki	35B40SS	5GVG8
ANSI Sprocket No. 40"						
1.510"	8	1/2 in	Carbon Steel	Tsubaki	40B8	5WEA8 *
1.670"	9	1/2 in	Carbon Steel	Tsubaki	40B9	5WEA9 *
2.330"	13	1/2 in	Carbon Steel	Tsubaki	40B13	5WEC3
2.810"	16	3/8 in	Carbon Steel	Tsubaki	40B16	5WEC6
2.980"	17	3/8 in	Carbon Steel	Tsubaki	40B17	5WEC7
3.780"	22	3/8 in	Stainless Steel	Tsubaki	40B22SS	5GVJ2
ANSI Sprocket No. 50"						
2.710"	12	3/8 in	Carbon Steel	Tsubaki	50B12	5XXD0 *
3.110"	14	3/8 in	Carbon Steel	Tsubaki	50B14	5XXD2
3.720"	17	3/8 in	Carbon Steel	Tsubaki	50B17	5XXD5
3.920"	18	3/8 in	Carbon Steel	Tsubaki	50B18	5XXD6
4.920"	23	3/4 in	Carbon Steel	Tsubaki	50B23	5XXE1
ANSI Sprocket No. 60"						
4.460"	17	3/4 in	Carbon Steel	Tsubaki	60B17	5XXG4
5.670"	22	3/4 in	Stainless Steel	Tsubaki	60B22SS	5GVP4
7.590"	30	1 in	Carbon Steel	Tsubaki	60B30	5XXH6
ANSI Sprocket No. 80"						
5.300"	15	1 in	Carbon Steel	Tsubaki	80B15	5XXK3
5.950"	17	1 in	Carbon Steel	Tsubaki	80B17	5XXK5
6.270"	18	1 in	Carbon Steel	Tsubaki	80B18	5XXK6
7.240"	21	1 in	Carbon Steel	Tsubaki	80B21	5XXK9
7.880"	23	1 in	Carbon Steel	Tsubaki	80B23	5XXL1
8.520"	25	1 in	Carbon Steel	Tsubaki	80B25	5XXL3
8.840"	26	1 1/8 in	Carbon Steel	Tsubaki	80B26	5XXL4

* Has recessed groove in hub for chain clearance.



Composite Idler Sprockets

Quiet, lightweight idlers require no lubrication and are corrosion-resistant, with wear-resistant glass-reinforced nylon and insertion-molded ABEC-1 G203-2RS bearing with 1/2" bore adapter. Compatible with tensioners on page 121; order separately.



ANSI Chain Size	No. of Teeth	Outside Dia.	Bore Dia.	Mfr. Model	Item No.
40	17	2.98"	1 1/8 in	CS4002/CB0004	3ZP37
50	15	3.40"	1 1/8 in	CS5002/CB0004	3ZP38
60	13	3.52"	1 1/8 in	CS6002/CB0004	3ZP39

Single-Stranded Plain-Bore No Hub Sprockets



These plain-bore sprockets have a starting bore, or center hole, that can be machined to the correct size of the shaft. They are steel construction with a black oxide finish for corrosion resistance. Sprockets offer more mounting options and are often used in applications that require customization. For our larger assortment, go to Grainger.com and search for "plain-bore roller chain sprockets".

Chain Number	For Chain Pitch	No. of Teeth	Pitch Diameter	Outside Diameter	Bore Diameter	Maximum Bore Diameter	Item No.
25	1/4 in	18	1.44 in	2 in	1/4 in	3/4 in	55VX32
25	1/4 in	20	1.598 in	2 in	1/4 in	7/8 in	55VX33
25	1/4 in	60	4.777 in	5 in	1/2 in	1 3/8 in	55VX40
40	1/2 in	30	4.783 in	5 in	3/8 in	2 1/4 in	55VY45
50	3/8 in	12	2.415 in	3 in	3/8 in	1 1/4 in	55WA04
60	3/4 in	24	5.746 in	6 in	1 in	2 3/4 in	55WC32



6AGNO



6AGN4



Steel Idler Sprockets

Maintain proper chain tension, guide chain around obstacles and prevent excessive chain wear and vibration. Hardened steel teeth. Special tightener shaft not required on ball bearing sprocket idlers. Required shafts for needle bearing models sold separately on page 121.

ANSI Chain Size	No. of Teeth	Outside Dia. (In.)	Bore Dia.	Shaft Req.	Mfr. Model	Item No.
Ball Bearing Idler Sprockets						
40	17	2 3/32	3/8 in	—	HB40A17X5/8	6AGN0
50	15	3 3/16	3/8 in	—	HB50A15X5/8	6AGN1
60	13	3 1/2	3/8 in	—	HB60A13X5/8	6AGN2
80	12	4 1/3	3/4 in	—	HB80A12X3/4	6AGN3
Needle Bearing Idler Sprockets						
35	13	1 1/4	1/2 in	6AGL5	HN35B13	6AGN4
40	19	3 3/2	1 in	6AGL6	HN40B19	6AGN5
50	17	3 2/3	1 in	6AGL6	HN50B17	6AGN6
60	17	4 1/2	1 in	6AGL6	HN60B17	6AGN7
80	13	4 2/3	1 in	6AGL6	HN80B13	6AGN8



V-Belt Idler Pulleys

Prevent belt slippage and position belt away from obstacles. Needle bearings. Required tightener shafts sold separately on page 121.



6AGP4

Belt Type	Outside Dia.	Bore Dia.	Shaft Req.	Mfr. Model	Item No.
4L, A	2.5 in	1/2 in	6AGL5	NAK25	6AGP4
	3.05 in	1/2 in	6AGL5	NAK30	6AGP5
5L, B	4.96 in	1 in	6AGL6	NBK52	6AGP8



Flat-Face Idler Pulleys

Prevent belt slippage. Can be used with flat belts, gearbelts, or the back side of V-belts. Include needle bearings. For use with drive tighteners and tightener shafts, sold separately on page 121.



6AGP0

Outside Dia.	Bore Dia.	Shaft Req.	Mfr. Model	Item No.
1.75 in	1/2 in	6AGL5	N1D05F	6AGP0
	1 in	6AGL6	N4D1F	6AGP2
4.375 in	1 in	6AGL7	N4D2F	6AGP3



Timing Belt Idler Pulleys

Position belt away from obstacles. Prevent belt slippage. Include needle bearings. For use with drive tighteners and tightener shafts, sold separately on page 121.



6AGN9

Belt Type	No. of Grooves	Outside Dia.	Bore Dia.	Shaft Req.	Mfr. Model	Item No.
H	16	2.5 in	1 in	6AGL6	N16H100	6AGN9
L	22	2.6 in	1 in	6AGL6	N22L100	6AGP1