

NO. 25 ROLLER CHAIN SPROCKETS

0.250" Pitch

Without Hub

Minimum Plain Bore

Steel



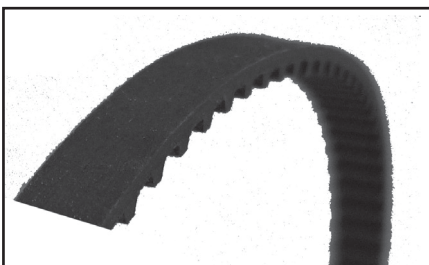
Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Max. Bore (in)	Overall Length (in)
25A18	A	18	1.568"	0.250"	1.000"	0.110"
25A19	A	19	1.648"	0.250"	1.000"	0.110"
25A20	A	20	1.729"	0.250"	1.250"	0.110"
25A21	A	21	1.809"	0.375"	1.250"	0.110"
25A22	A	22	1.889"	0.375"	1.250"	0.110"
25A23	A	23	1.969"	0.375"	1.375"	0.110"
25A24	A	24	2.049"	0.375"	1.500"	0.110"
25A25	A	25	2.129"	0.375"	1.500"	0.110"
25A26	A	26	2.209"	0.375"	1.750"	0.110"
25A28	A	28	2.369"	0.375"	1.000"	0.110"
25A30	A	30	2.529"	0.375"	2.000"	0.110"
25A32	A	32	2.688"	0.375"	2.000"	0.110"
25A35	A	35	2.928"	0.375"	2.250"	0.110"
25A36	A	36	3.008"	0.375"	2.250"	0.110"
25A40	A	40	3.327"	0.375"	2.500"	0.110"
25A42	A	42	3.500"	0.500"	2.500"	0.110"
25A45	A	45	3.725"	0.500"	3.000"	0.110"
25A48	A	48	3.964"	0.500"	3.500"	0.110"
25A54	A	54	4.442"	0.500"	4.000"	0.110"
25A60	A	60	4.920"	0.500"	4.500"	0.110"
25A70	A	70	5.717"	0.500"	5.000"	0.110"
25A72	A	72	5.876"	0.500"	5.250"	0.110"

Roller Chain Sprockets

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 25A72 = 25 Chain + A for Hubless + 72 Teeth



For timing belts,
see page 180.



For idler sprockets,
see page 369.



For timing pulleys,
see page 2.

NO. 25 ROLLER CHAIN SPROCKETS

0.250" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
25B9	B	9	0.837"	0.250"	0.250"	0.110"	0.500"	0.438"
25B10	B	10	0.919"	0.250"	0.250"	0.110"	0.500"	0.500"
25B11	B	11	1.002"	0.250"	0.313"	0.110"	0.500"	0.562"
25B12	B	12	1.083"	0.250"	0.375"	0.110"	0.500"	0.625"
25B13	B	13	1.167"	0.250"	0.438"	0.110"	0.500"	0.719"
25B14	B	14	1.246"	0.250"	0.563"	0.110"	0.500"	0.812"
25B15	B	15	1.326"	0.250"	0.563"	0.110"	0.500"	0.891"
25B16	B	16	1.407"	0.250"	0.563"	0.110"	0.500"	0.969"
25B17	B	17	1.487"	0.250"	0.625"	0.110"	0.500"	1.031"
25B18	B	18	1.568"	0.250"	0.750"	0.110"	0.500"	1.125"
25B19	B	19	1.648"	0.250"	0.813"	0.110"	0.500"	1.219"
25B20	B	20	1.729"	0.250"	0.875"	0.110"	0.625"	1.281"
25B21	B	21	1.809"	0.250"	0.875"	0.110"	0.625"	1.375"
25B22	B	22	1.889"	0.250"	0.938"	0.110"	0.625"	1.438"
25B23	B	23	1.969"	0.250"	1.000"	0.110"	0.625"	1.500"
25B24	B	24	2.049"	0.375"	1.000"	0.110"	0.625"	1.500"
25B25	B	25	2.129"	0.375"	1.000"	0.110"	0.625"	1.500"
25B26	B	26	2.209"	0.375"	1.000"	0.110"	0.625"	1.500"
25B28	B	28	2.369"	0.375"	1.000"	0.110"	0.625"	1.500"
25B30	B	30	2.529"	0.375"	1.000"	0.110"	0.625"	1.500"
25B32	B	32	2.688"	0.375"	1.000"	0.110"	0.625"	1.500"
25B35	B	35	2.928"	0.375"	1.000"	0.110"	0.625"	1.500"
25B36	B	36	3.008"	0.375"	1.000"	0.110"	0.750"	1.500"
25B40	B	40	3.327"	0.500"	1.375"	0.110"	0.750"	2.000"
25B45	B	45	3.725"	0.500"	1.375"	0.110"	0.750"	2.000"
25B48	B	48	3.964"	0.500"	1.375"	0.110"	0.750"	2.000"
25B54	B	54	4.442"	0.500"	1.375"	0.110"	0.750"	2.000"
25B60	B	60	4.920"	0.500"	1.375"	0.110"	0.750"	2.000"
25B70	B	70	5.717"	0.500"	1.375"	0.110"	0.750"	2.000"

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 25B72 = 25 Chain + B for Hub + 72 Teeth

NO. 25 ROLLER CHAIN SPROCKETS

0.250" Pitch

Hub

Finished Bore

Steel



All sprockets with a 0.500" bore or smaller are supplied with two set screws.
Sprockets with bores 0.625" or greater have a standard keyway and two set screws.
Keyway is centered on tooth and set screws are located over the key at 90 degrees.

Part Number	Type	No. of Teeth	Outside Diameter (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)	Stock Bores (in)
25BF9	B	9	0.837"	0.110"	0.500"	0.438"	1/4"
25BF10	B	10	0.919"	0.110"	0.500"	0.500"	1/4"
25BF11	B	11	1.002"	0.110"	0.500"	0.563"	1/4"
25BF12	B	12	1.083"	0.110"	0.500"	0.625"	1/4", 3/8"
25BF13	B	13	1.167"	0.110"	0.500"	0.719"	1/4", 3/8"
25BF14	B	14	1.246"	0.110"	0.500"	0.813"	1/4", 3/8", 1/2"
25BF15	B	15	1.326"	0.110"	0.500"	0.891"	1/4", 3/8", 1/2"
25BF16	B	16	1.407"	0.110"	0.500"	0.969"	1/4", 3/8", 1/2"
25BF17	B	17	1.487"	0.110"	0.500"	1.030"	1/4", 3/8", 1/2", 5/8"
25BF18	B	18	1.568"	0.110"	0.500"	1.125"	1/4", 3/8", 1/2", 5/8", 3/4"
25BF19	B	19	1.648"	0.110"	0.500"	1.219"	1/4", 3/8", 1/2", 5/8", 3/4"
25BF20	B	20	1.729"	0.110"	0.625"	1.281"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
25BF21	B	21	1.809"	0.110"	0.625"	1.375"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
25BF22	B	22	1.889"	0.110"	0.625"	1.438"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8"
25BF23	B	23	1.969"	0.110"	0.625"	1.500"	1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF24	B	24	2.049"	0.110"	0.625"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF25	B	25	2.129"	0.110"	0.625"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF26	B	26	2.209"	0.110"	0.625"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF28	B	28	2.369"	0.110"	0.625"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF30	B	30	2.529"	0.110"	0.625"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF32	B	32	2.688"	0.110"	0.625"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF36	B	36	3.008"	0.110"	0.750"	1.500"	3/8", 1/2", 5/8", 3/4", 7/8", 1"
25BF40	B	40	3.327"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"
25BF45	B	45	3.725"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"
25BF48	B	48	3.964"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"
25BF54	B	54	4.442"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"
25BF60	B	60	4.920"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"
25BF70	B	70	5.717"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"
25BF72	B	72	5.876"	0.110"	0.750"	2.000"	1/2", 5/8", 3/4", 7/8", 1", 1-1/4", 1-3/8"

Steel finished bore #25 roller chain sprocket part numbers can be determined as follows:
25BF + Tooth Count + "X" + Bore size
Example: 25BF72x1-3/8

NO. 25 ROLLER CHAIN SPROCKETS

0.250" Pitch

Hub

Minimum Plain Bore

Stainless Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
25B9SS	B	9	0.837"	0.250"	0.250"	0.110"	0.500"	0.438"
25B10SS	B	10	0.919"	0.250"	0.250"	0.110"	0.500"	0.500"
25B11SS	B	11	1.002"	0.250"	0.313"	0.110"	0.500"	0.563"
25B12SS	B	12	1.083"	0.250"	0.375"	0.110"	0.500"	0.625"
25B13SS	B	13	1.167"	0.250"	0.438"	0.110"	0.500"	0.719"
25B14SS	B	14	1.246"	0.250"	0.563"	0.110"	0.500"	0.813"
25B15SS	B	15	1.326"	0.250"	0.563"	0.110"	0.500"	0.891"
25B16SS	B	16	1.407"	0.250"	0.563"	0.110"	0.500"	0.969"
25B17SS	B	17	1.487"	0.250"	0.625"	0.110"	0.500"	1.031"
25B18SS	B	18	1.568"	0.250"	0.750"	0.110"	0.500"	1.125"
25B19SS	B	19	1.648"	0.250"	0.813"	0.110"	0.500"	1.219"
25B20SS	B	20	1.729"	0.250"	0.875"	0.110"	0.625"	1.281"
25B21SS	B	21	1.809"	0.250"	0.875"	0.110"	0.625"	1.375"
25B22SS	B	22	1.889"	0.250"	0.938"	0.110"	0.625"	1.438"
25B23SS	B	23	1.969"	0.250"	1.000"	0.110"	0.625"	1.500"
25B24SS	B	24	2.049"	0.375"	1.000"	0.110"	0.625"	1.500"
25B25SS	B	25	2.129"	0.375"	1.000"	0.110"	0.625"	1.500"
25B26SS	B	26	2.209"	0.375"	1.000"	0.110"	0.625"	1.500"
25B28SS	B	28	2.369"	0.375"	1.000"	0.110"	0.625"	1.500"
25B30SS	B	30	2.529"	0.375"	1.000"	0.110"	0.625"	1.500"
25B32SS	B	32	2.688"	0.375"	1.000"	0.110"	0.625"	1.500"
25B36SS	B	36	3.008"	0.375"	1.000"	0.110"	0.750"	1.500"
25B40SS	B	40	3.327"	0.500"	1.375"	0.110"	0.750"	2.000"
25B45SS	B	45	3.725"	0.500"	1.375"	0.110"	0.750"	2.000"
25B48SS	B	48	3.964"	0.500"	1.375"	0.110"	0.750"	2.000"
25B54SS	B	54	4.442"	0.500"	1.375"	0.110"	0.750"	2.000"
25B60SS	B	60	4.920"	0.500"	1.375"	0.110"	0.750"	2.000"
25B70SS	B	70	5.717"	0.500"	1.375"	0.110"	0.750"	2.000"
25B72SS	B	72	5.876"	0.500"	1.375"	0.110"	0.750"	2.000"

Stainless steel roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth + SS

For example: 25B72SS = 25 Chain + B for Hub + 72 Teeth + SS

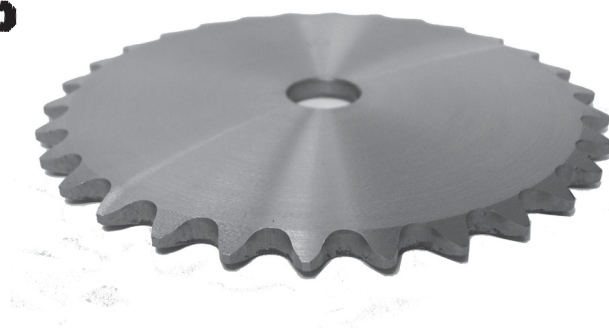
NO. 35 ROLLER CHAIN SPROCKETS

0.375" Pitch

Without Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Overall Length (in)
35A15	A	15	1.990"	0.500"	1.500"	0.168"
35A16	A	16	2.110"	0.500"	1.500"	0.168"
35A17	A	17	2.230"	0.500"	1.750"	0.168"
35A18	A	18	2.350"	0.500"	1.750"	0.168"
35A19	A	19	2.470"	0.500"	2.000"	0.168"
35A20	A	20	2.590"	0.500"	2.000"	0.168"
35A21	A	21	2.710"	0.500"	2.000"	0.168"
35A22	A	22	2.830"	0.500"	2.500"	0.168"
35A23	A	23	2.950"	0.500"	2.500"	0.168"
35A24	A	24	3.070"	0.500"	2.500"	0.168"
35A25	A	25	3.190"	0.500"	2.750"	0.168"
35A26	A	26	3.310"	0.500"	2.750"	0.168"
35A27	A	27	3.430"	0.500"	2.750"	0.168"
35A28	A	28	3.550"	0.500"	3.000"	0.168"
35A30	A	30	3.790"	0.500"	3.000"	0.168"
35A32	A	32	4.030"	0.500"	3.500"	0.168"
35A35	A	35	4.390"	0.625"	3.500"	0.168"
35A36	A	36	4.510"	0.625"	3.500"	0.168"
35A40	A	40	4.990"	0.625"	4.000"	0.168"
35A42	A	42	5.230"	0.625"	4.000"	0.168"
35A45	A	45	5.590"	0.625"	4.500"	0.168"
35A48	A	48	5.950"	0.625"	4.500"	0.168"
35A54	A	54	6.660"	0.625"	5.000"	0.168"
35A60	A	60	7.380"	0.750"	6.000"	0.168"
35A70	A	70	8.580"	0.750"	7.000"	0.168"
35A72	A	72	8.810"	0.750"	7.000"	0.168"
35A80	A	80	9.770"	0.750"	8.000"	0.168"
35A84	A	84	10.250"	0.750"	9.000"	0.168"
35A96	A	96	11.680"	0.750"	10.000"	0.168"
35A112	A	112	13.590"	0.750"	12.000"	0.168"

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 35A112 = 35 Chain + A for Hubless + 112 Teeth

NO. 35 ROLLER CHAIN SPROCKETS

0.375" Pitch

Hub

Minimum Plain Bore

Steel



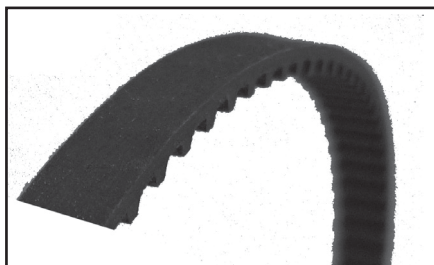
Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
35B8	B	8	1.130"	0.375"	0.375"	0.168"	0.750"	• 0.750"
35B9	B	9	1.260"	0.375"	0.375"	0.168"	0.750"	• 0.844"
35B10	B	10	1.380"	0.375"	0.563"	0.168"	0.750"	• 0.969"
35B11	B	11	1.500"	0.375"	0.563"	0.168"	0.750"	• 1.063"
35B12	B	12	1.630"	0.500"	0.563"	0.168"	0.750"	• 1.219"
35B13	B	13	1.750"	0.500"	0.688"	0.168"	0.750"	• 1.250"
35B14	B	14	1.870"	0.500"	0.875"	0.168"	0.750"	1.250"
35B15	B	15	1.990"	0.500"	0.875"	0.168"	0.750"	1.344"
35B16	B	16	2.110"	0.500"	0.938"	0.168"	0.750"	1.469"
35B17	B	17	2.230"	0.500"	1.063"	0.168"	0.750"	1.594"
35B18	B	18	2.350"	0.500"	1.188"	0.168"	0.750"	1.719"
35B19	B	19	2.470"	0.500"	1.250"	0.168"	0.750"	1.844"
35B20	B	20	2.590"	0.500"	1.313"	0.168"	0.750"	1.938"
35B21	B	21	2.710"	0.500"	1.375"	0.168"	0.875"	2.000"
35B22	B	22	2.830"	0.500"	1.375"	0.168"	0.875"	2.000"
35B23	B	23	2.950"	0.500"	1.375"	0.168"	0.875"	2.000"
35B24	B	24	3.070"	0.500"	1.375"	0.168"	0.875"	2.000"
35B25	B	25	3.190"	0.500"	1.375"	0.168"	0.875"	2.000"
35B26	B	26	3.310"	0.500"	1.375"	0.168"	0.875"	2.000"

- Has a recessed groove in the hub for chain clearance •

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 35B26 = 35 Chain + B for Hub + 26 Teeth



For timing belts,
see page 180.



For idler sprockets,
see page 369.



For timing pulleys,
see page 2.

NO. 35 ROLLER CHAIN SPROCKETS

0.375" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
35B27	B	27	3.430"	0.500"	1.375"	0.168"	0.875"	2.000"
35B28	B	28	3.550"	0.500"	1.375"	0.168"	0.875"	2.000"
35B30	B	30	3.790"	0.500"	1.375"	0.168"	0.875"	2.000"
35B32	B	32	4.030"	0.500"	1.375"	0.168"	0.875"	2.000"
35B35	B	35	4.390"	0.625"	1.500"	0.168"	0.875"	2.250"
35B36	B	36	4.510"	0.625"	1.500"	0.168"	0.875"	2.250"
35B40	B	40	4.990"	0.625"	1.500"	0.168"	1.000"	2.250"
35B42	B	42	5.230"	0.625"	1.500"	0.168"	1.000"	2.250"
35B45	B	45	5.590"	0.625"	1.500"	0.168"	1.000"	2.250"
35B48	B	48	5.950"	0.625"	1.500"	0.168"	1.000"	2.250"
35B54	B	54	6.660"	0.625"	1.500"	0.168"	1.000"	2.250"
35B60	B	60	7.380"	0.750"	1.500"	0.168"	1.000"	2.250"
35B70	B	70	8.580"	0.750"	1.500"	0.168"	1.000"	2.250"
35B72	B	72	8.810"	0.750"	1.500"	0.168"	1.000"	2.250"
35B80	B	80	9.770"	0.750"	1.500"	0.168"	1.000"	2.250"
35B84	B	84	10.250"	0.750"	1.500"	0.168"	1.000"	2.250"
35B96	B	96	11.680"	0.750"	1.500"	0.168"	1.000"	2.250"
35B112	B	112	13.590"	0.750"	1.500"	0.168"	1.000"	2.250"

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 35B72 = 35 Chain + B for Hub + 72 Teeth

Are you looking for expertly crafted miniature components?

B&B Manufacturing prides ourselves on offering superior mechanical components at low factory prices from our highly skilled machinists. B&B provides the expert product information you need, when you need it. For more information on miniature precision mechanical components, B&B Manufacturing engineers are only an email or phone call away from providing the support and product information you need to make informed decisions. Our engineering and application support, shortened lead times, lean enterprise, low factory prices, custom component capabilities, and industry applications sets B&B Manufacturing apart from other precision mechanical component manufacturers and distributors. B&B Manufacturing is constantly adding services, features, and improvement programs in order to help us better serve our mechanical parts customers.

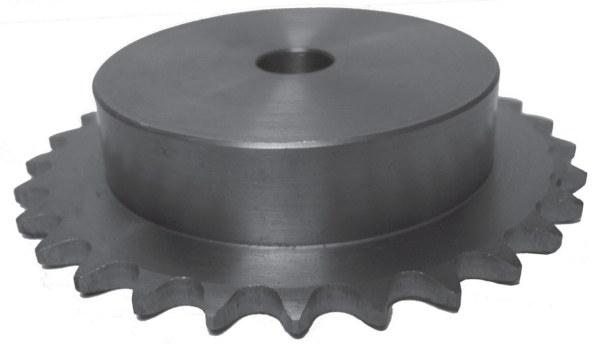
NO. 41 ROLLER CHAIN SPROCKETS

0.500" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
41B6	B	6	1.170"	0.375"	0.375"	0.227"	0.875"	• 0.656"
41B7	B	7	1.340"	0.375"	0.375"	0.227"	0.875"	• 0.750"
41B8	B	8	1.510"	0.500"	0.500"	0.227"	0.875"	• 0.984"
41B9	B	9	1.670"	0.500"	0.625"	0.227"	0.875"	• 1.125"
41B10	B	10	1.840"	0.500"	0.750"	0.227"	0.875"	• 1.250"
41B11	B	11	2.000"	0.500"	0.875"	0.227"	0.875"	• 1.438"
41B12	B	12	2.170"	0.500"	0.938"	0.227"	0.875"	1.563"
41B13	B	13	2.330"	0.500"	1.000"	0.227"	0.875"	• 1.563"
41B14	B	14	2.490"	0.500"	1.250"	0.227"	0.875"	1.750"
41B15	B	15	2.650"	0.625"	1.313"	0.227"	0.875"	1.906"
41B16	B	16	2.810"	0.625"	1.375"	0.227"	0.875"	2.063"
41B17	B	17	2.980"	0.625"	1.500"	0.227"	1.000"	2.234"
41B18	B	18	3.140"	0.625"	1.625"	0.227"	1.000"	2.375"
41B19	B	19	3.300"	0.625"	1.750"	0.227"	1.000"	2.469"
41B20	B	20	3.460"	0.625"	1.875"	0.227"	1.000"	2.750"
41B21	B	21	3.620"	0.625"	1.875"	0.227"	1.000"	2.875"
41B22	B	22	3.780"	0.625"	2.000"	0.227"	1.000"	3.000"
41B23	B	23	3.940"	0.625"	2.250"	0.227"	1.000"	3.188"
41B24	B	24	4.100"	0.625"	2.250"	0.227"	1.000"	3.250"
41B25	B	25	4.260"	0.625"	2.250"	0.227"	1.000"	3.250"
41B26	B	26	4.420"	0.625"	2.250"	0.227"	1.000"	3.250"
41B27	B	27	4.580"	0.625"	2.250"	0.227"	1.000"	3.250"
41B28	B	28	4.740"	0.625"	2.250"	0.227"	1.000"	3.250"
41B30	B	30	5.060"	0.625"	2.250"	0.227"	1.000"	3.250"
41B32	B	32	5.380"	0.625"	2.250"	0.227"	1.000"	3.250"
41B35	B	35	5.860"	0.625"	2.375"	0.227"	1.000"	3.250"
41B36	B	36	6.020"	0.625"	2.375"	0.227"	1.000"	3.250"
41B40	B	40	6.650"	0.750"	2.375"	0.227"	1.063"	3.250"
41B42	B	42	6.970"	0.750"	2.375"	0.227"	1.063"	3.500"

Roller chain sprocket part numbers can be determined as follows:
 Chain + (A for Hubless or B for Hub) + Number of Teeth
 For example: 41B42 = 41 Chain + B for Hub + 42 Teeth

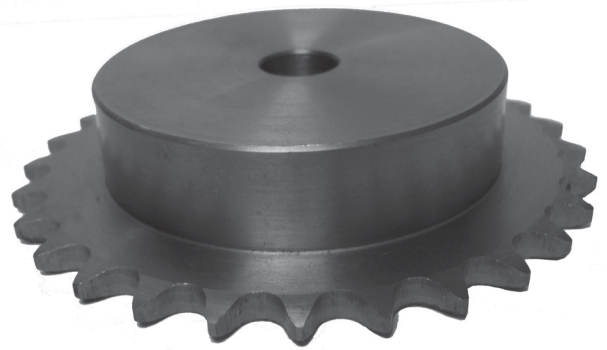
NO. 41 ROLLER CHAIN SPROCKETS

0.500" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
41B45	B	45	7.450"	0.750"	2.375"	0.227"	1.063"	3.500"
41B48	B	48	7.930"	0.750"	2.375"	0.227"	1.063"	3.500"
41B54	B	54	8.890"	0.750"	2.375"	0.227"	1.063"	3.500"
41B60	B	60	9.840"	0.750"	2.375"	0.227"	1.063"	3.500"
41B70	B	70	11.430"	0.750"	2.750"	0.227"	1.188"	4.000"
41B72	B	72	11.750"	0.750"	2.750"	0.227"	1.188"	4.000"
41B80	B	80	13.030"	0.750"	2.750"	0.227"	1.188"	4.000"
41B84	B	84	13.660"	0.750"	2.750"	0.227"	1.188"	4.000"
41B96	B	96	15.570"	1.000"	2.750"	0.227"	1.188"	4.000"
41B112	B	112	18.120"	1.000"	2.750"	0.227"	1.188"	4.000"

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 41B112 = 41 Chain + B for Hub + 112 Teeth

Plain bores, often referred to as minimum plain bores or MPB, are simply untapered bores drilled through the center of a pulley, gear, sprocket, or sheave. Sometimes component part numbers use MPB to designate the plain bore style.

Finished bores are plain bores with the addition of either a keyway, set screws, or both. Timing pulleys and roller chain sprockets often use a F in the part number to illustrate a finished bore.

A keyway is a slot cut into a pulley, gear, sprocket, or sheave to accept a key that engages with a similar slot on a shaft to prohibit the relative motion of the two components. Keys connecting shafts to pulley hubs are commonly used to achieve reliable no-slip power transmission in belt drive systems.

A set screw is a screw through the pulley, gear, sprocket, or sheave used to tighten the component to the shaft and limit slippage. Typically, set screws are used on larger diameter components as they typically transmit higher loads.

There are some advantages to having a plain bore. With a plain bore, it is easier to customize how the component is affixed to the shaft. A plain bore can be opened to a larger bore diameter, can be made into a finished bore, or can even be customized in other ways such as incorporating pins or screws.

There are also advantages to having a finished bore. The most noteworthy advantage is the increased prevention of shaft slippage. It allows for the component to move larger loads with increased accuracy. A noteworthy disadvantage is in the food and beverage industry where set screw holes will at times fill with debris depending on the application.

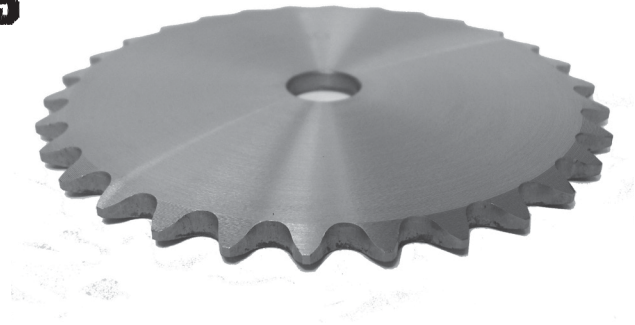
NO. 40 ROLLER CHAIN SPROCKETS

0.500" Pitch

Without Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Overall Length (in)
40A15	A	15	2.405"	0.500"	1.250"	0.284"
40A16	A	16	2.563"	0.625"	1.375"	0.284"
40A17	A	17	2.721"	0.625"	1.438"	0.284"
40A18	A	18	2.879"	0.625"	1.500"	0.284"
40A19	A	19	3.038"	0.625"	1.750"	0.284"
40A20	A	20	3.196"	0.625"	1.875"	0.284"
40A21	A	21	3.355"	0.625"	1.875"	0.284"
40A22	A	22	3.513"	0.625"	1.875"	0.284"
40A23	A	23	3.672"	0.625"	2.000"	0.284"
40A24	A	24	3.831"	0.625"	2.250"	0.284"
40A25	A	25	3.989"	0.625"	2.250"	0.284"
40A26	A	26	4.148"	0.625"	2.250"	0.284"
40A27	A	27	4.307"	0.625"	2.250"	0.284"
40A28	A	28	4.466"	0.625"	2.250"	0.284"
40A30	A	30	4.624"	0.625"	2.250"	0.284"
40A32	A	32	5.101"	0.625"	2.250"	0.284"
40A35	A	35	5.578"	0.625"	2.250"	0.284"
40A36	A	36	5.737"	0.625"	2.250"	0.284"
40A40	A	40	6.373"	0.750"	2.375"	0.284"
40A42	A	42	6.691"	0.750"	2.375"	0.284"
40A45	A	45	7.168"	0.750"	2.375"	0.284"
40A48	A	48	7.645"	0.750"	2.375"	0.284"
40A54	A	54	8.599"	0.750"	2.375"	0.284"
40A60	A	60	9.554"	0.750"	2.375"	0.284"
40A70	A	70	11.145"	0.750"	2.750"	0.284"
40A72	A	72	11.750"	0.750"	2.750"	0.284"

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 40A72 = 40 Chain + A for Hubless + 72 Teeth

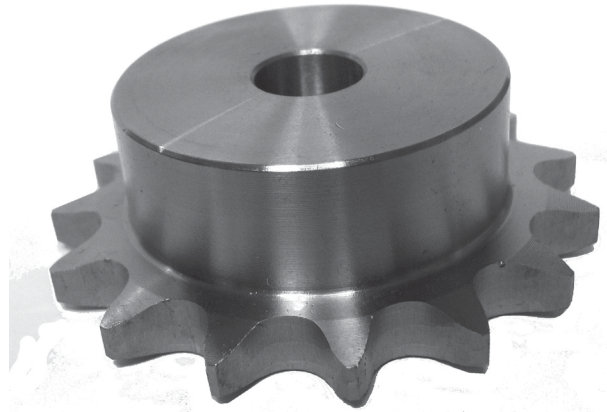
NO. 40 ROLLER CHAIN SPROCKETS

0.500" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
40B8	B	8	1.500"	0.500"	0.500"	0.284"	0.875"	• 0.969"
40B9	B	9	1.670"	0.500"	0.563"	0.284"	0.875"	• 1.063"
40B10	B	10	1.840"	0.500"	0.750"	0.284"	0.875"	• 1.250"
40B11	B	11	2.000"	0.500"	0.875"	0.284"	0.875"	• 1.375"
40B12	B	12	2.170"	0.500"	1.000"	0.284"	0.875"	• 1.438"
40B13	B	13	2.330"	0.500"	1.063"	0.284"	0.875"	• 1.438"
40B14	B	14	2.490"	0.500"	1.125"	0.284"	0.875"	• 1.688"
40B15	B	15	2.650"	0.500"	1.250"	0.284"	0.875"	• 1.813"
40B16	B	16	2.810"	0.625"	1.375"	0.284"	0.875"	2.000"
40B17	B	17	2.980"	0.625"	1.438"	0.284"	1.000"	2.125"
40B18	B	18	3.140"	0.625"	1.500"	0.284"	1.000"	2.313"
40B19	B	19	3.300"	0.625"	1.750"	0.284"	1.000"	2.500"
40B20	B	20	3.460"	0.625"	1.875"	0.284"	1.000"	2.625"
40B21	B	21	3.620"	0.625"	1.875"	0.284"	1.000"	2.750"
40B22	B	22	3.780"	0.625"	1.875"	0.284"	1.000"	2.875"
40B23	B	23	3.940"	0.625"	2.000"	0.284"	1.000"	3.000"
40B24	B	24	4.100"	0.625"	2.250"	0.284"	1.000"	3.250"
40B25	B	25	4.260"	0.625"	2.250"	0.284"	1.000"	3.250"
40B26	B	26	4.420"	0.625"	2.250"	0.284"	1.000"	3.250"
40B27	B	27	4.580"	0.625"	2.250"	0.284"	1.000"	3.250"
40B28	B	28	4.740"	0.625"	2.250"	0.284"	1.000"	3.250"
40B29	B	29	4.900"	0.625"	2.250"	0.284"	1.000"	3.250"
40B30	B	30	5.060"	0.625"	2.250"	0.284"	1.000"	3.250"
40B31	B	31	5.220"	0.625"	2.250"	0.284"	1.000"	3.250"
40B32	B	32	5.380"	0.625"	2.250"	0.284"	1.000"	3.250"
40B33	B	33	5.540"	0.625"	2.250"	0.284"	1.000"	3.250"
40B34	B	34	5.700"	0.625"	2.250"	0.284"	1.000"	3.250"
40B35	B	35	5.860"	0.625"	2.250"	0.284"	1.000"	3.250"
40B36	B	36	6.020"	0.625"	2.250"	0.284"	1.000"	3.250"
40B37	B	37	6.180"	0.625"	2.250"	0.284"	1.000"	3.250"

- Has a recessed groove in the hub for chain clearance •

Roller chain sprocket part numbers can be determined as follows:

Chain + (A for Hubless or B for Hub) + Number of Teeth

For example: 40B37 = 40 Chain + B for Hub + 37 Teeth

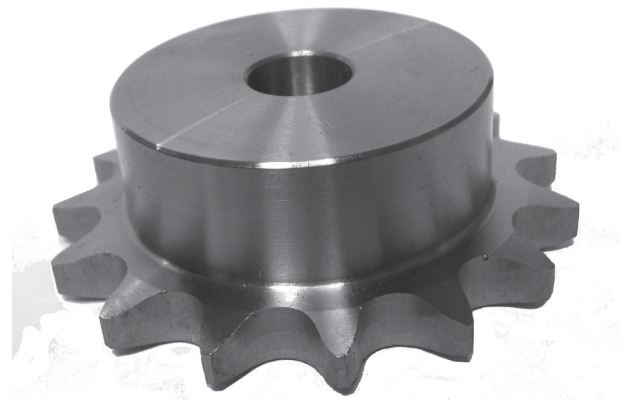
NO. 40 ROLLER CHAIN SPROCKETS

0.500" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
40B38	B	38	6.330"	0.625"	2.250"	0.284"	1.000"	3.250"
40B39	B	39	6.490"	0.625"	2.250"	0.284"	1.000"	3.250"
40B40	B	40	6.650"	0.750"	2.375"	0.284"	1.125"	3.500"
40B41	B	41	6.810"	0.750"	2.375"	0.284"	1.125"	3.500"
40B42	B	42	6.970"	0.750"	2.375"	0.284"	1.125"	3.500"
40B43	B	43	7.130"	0.750"	2.375"	0.284"	1.125"	3.500"
40B44	B	44	7.290"	0.750"	2.375"	0.284"	1.125"	3.500"
40B45	B	45	7.450"	0.750"	2.375"	0.284"	1.125"	3.500"
40B46	B	46	7.610"	0.750"	2.375"	0.284"	1.125"	3.500"
40B47	B	47	7.770"	0.750"	2.375"	0.284"	1.125"	3.500"
40B48	B	48	7.930"	0.750"	2.375"	0.284"	1.125"	3.500"
40B49	B	49	8.090"	0.750"	2.375"	0.284"	1.125"	3.500"
40B50	B	50	8.250"	0.750"	2.375"	0.284"	1.125"	3.500"
40B51	B	51	8.410"	0.750"	2.375"	0.284"	1.125"	3.500"
40B52	B	52	8.570"	0.750"	2.375"	0.284"	1.125"	3.500"
40B53	B	53	8.730"	0.750"	2.375"	0.284"	1.125"	3.500"
40B54	B	54	8.890"	0.750"	2.375"	0.284"	1.125"	3.500"
40B55	B	55	9.040"	0.750"	2.375"	0.284"	1.125"	3.500"
40B56	B	56	9.200"	0.750"	2.375"	0.284"	1.125"	3.500"
40B57	B	57	9.360"	0.750"	2.375"	0.284"	1.125"	3.500"
40B58	B	58	9.520"	0.750"	2.375"	0.284"	1.125"	3.500"
40B59	B	59	9.680"	0.750"	2.375"	0.284"	1.125"	3.500"
40B60	B	60	9.840"	0.750"	2.375"	0.284"	1.125"	3.500"
40B70	B	70	11.430"	0.750"	2.750"	0.284"	1.250"	4.000"
40B72	B	72	11.750"	0.750"	2.750"	0.284"	1.250"	4.000"
40B80	B	80	13.030"	0.750"	2.750"	0.284"	1.250"	4.000"
40B84	B	84	13.660"	0.750"	2.750"	0.284"	1.250"	4.000"
40B96	B	96	15.570"	1.000"	2.750"	0.284"	1.250"	4.000"
40B112	B	112	18.120"	1.000"	2.750"	0.284"	1.250"	4.000"

Roller chain sprocket part numbers can be determined as follows:
 Chain + (A for Hubless or B for Hub) + Number of Teeth
 For example: 40B112 = 40 Chain + B for Hub + 112 Teeth

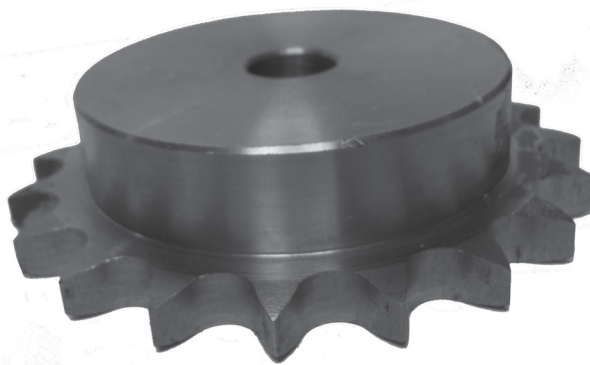
NO. 50 ROLLER CHAIN SPROCKETS

0.625" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
50B8	B	8	1.880"	0.625"	0.625"	0.343"	1.000"	• 1.125"
50B9	B	9	2.090"	0.625"	0.750"	0.343"	1.000"	• 1.375"
50B10	B	10	2.300"	0.625"	0.875"	0.343"	1.000"	1.563"
50B11	B	11	2.500"	0.625"	1.000"	0.343"	1.000"	• 1.750"
50B12	B	12	2.710"	0.625"	1.250"	0.343"	1.000"	1.984"
50B13	B	13	2.910"	0.625"	1.313"	0.343"	1.000"	1.875"
50B14	B	14	3.110"	0.625"	1.438"	0.343"	1.000"	2.125"
50B15	B	15	3.320"	0.625"	1.500"	0.343"	1.000"	2.375"
50B16	B	16	3.520"	0.625"	1.750"	0.343"	1.000"	2.500"
50B17	B	17	3.720"	0.625"	1.875"	0.343"	1.000"	2.688"
50B18	B	18	3.920"	0.625"	1.875"	0.343"	1.000"	2.875"
50B19	B	19	4.120"	0.625"	2.000"	0.343"	1.000"	3.000"
50B20	B	20	4.320"	0.750"	2.000"	0.343"	1.000"	3.000"
50B21	B	21	4.520"	0.750"	2.000"	0.343"	1.000"	3.000"
50B22	B	22	4.720"	0.750"	2.000"	0.343"	1.000"	3.000"
50B23	B	23	4.920"	0.750"	2.000"	0.343"	1.000"	3.000"
50B24	B	24	5.120"	0.750"	2.000"	0.343"	1.250"	3.000"
50B25	B	25	5.320"	0.750"	2.000"	0.343"	1.250"	3.000"
50B26	B	26	5.520"	0.750"	2.000"	0.343"	1.250"	3.000"
50B27	B	27	5.720"	0.750"	2.000"	0.343"	1.250"	3.000"
50B28	B	28	5.920"	0.750"	2.000"	0.343"	1.250"	3.000"
50B29	B	29	6.120"	0.750"	2.000"	0.343"	1.250"	3.000"
50B30	B	30	6.320"	0.750"	2.250"	0.343"	1.250"	3.250"
50B31	B	31	6.520"	0.750"	2.250"	0.343"	1.250"	3.250"
50B32	B	32	6.720"	0.750"	2.250"	0.343"	1.250"	3.250"
50B33	B	33	6.920"	0.750"	2.250"	0.343"	1.250"	3.250"
50B34	B	34	7.120"	0.750"	2.250"	0.343"	1.250"	3.250"
50B35	B	35	7.320"	0.750"	2.250"	0.343"	1.250"	3.250"
50B36	B	36	7.520"	0.750"	2.250"	0.343"	1.250"	3.250"
50B37	B	37	7.720"	0.750"	2.250"	0.343"	1.250"	3.250"

- Has a recessed groove in the hub for chain clearance •

Roller chain sprocket part numbers can be determined as follows:
 Chain + (A for Hubless or B for Hub) + Number of Teeth
 For example: 50B37 = 50 Chain + B for Hub + 37 Teeth

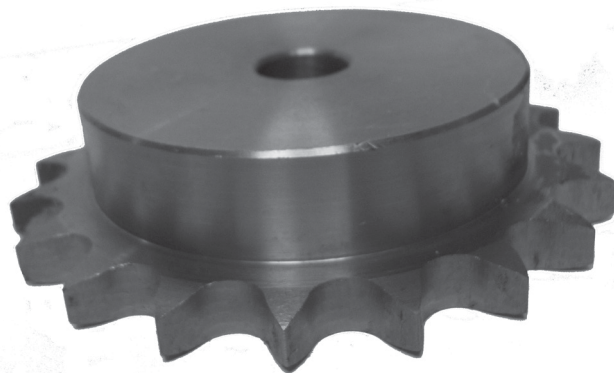
NO. 50 ROLLER CHAIN SPROCKETS

0.625" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
50B38	B	38	7.920"	0.750"	2.250"	0.343"	1.250"	3.250"
50B39	B	39	8.120"	0.750"	2.250"	0.343"	1.250"	3.250"
50B40	B	40	8.320"	0.750"	2.250"	0.343"	1.250"	3.250"
50B41	B	41	8.520"	0.750"	2.250"	0.343"	1.250"	3.250"
50B42	B	42	8.720"	0.750"	2.250"	0.343"	1.250"	3.250"
50B43	B	43	8.910"	0.750"	2.250"	0.343"	1.250"	3.250"
50B44	B	44	9.110"	0.750"	2.250"	0.343"	1.250"	3.250"
50B45	B	45	9.310"	0.750"	2.500"	0.343"	1.250"	3.750"
50B46	B	46	9.510"	0.750"	2.500"	0.343"	1.250"	3.750"
50B47	B	47	9.710"	0.750"	2.500"	0.343"	1.250"	3.750"
50B48	B	48	9.910"	1.000"	2.500"	0.343"	1.250"	3.750"
50B49	B	49	10.110"	1.000"	2.500"	0.343"	1.250"	3.750"
50B50	B	50	10.310"	1.000"	2.500"	0.343"	1.250"	3.750"
50B51	B	51	10.510"	1.000"	2.500"	0.343"	1.250"	3.750"
50B52	B	52	10.710"	1.000"	2.500"	0.343"	1.250"	3.750"
50B53	B	53	10.910"	1.000"	2.500"	0.343"	1.250"	3.750"
50B54	B	54	11.110"	1.000"	2.500"	0.343"	1.250"	3.750"
50B55	B	55	11.310"	1.000"	2.500"	0.343"	1.250"	3.750"
50B56	B	56	11.500"	1.000"	2.500"	0.343"	1.250"	3.750"
50B57	B	57	11.700"	1.000"	2.500"	0.343"	1.250"	3.750"
50B58	B	58	11.900"	1.000"	2.500"	0.343"	1.250"	3.750"
50B59	B	59	12.100"	1.000"	2.500"	0.343"	1.250"	3.750"
50B60	B	60	12.300"	1.000"	2.500"	0.343"	1.250"	3.750"
50B70	B	70	14.290"	1.000"	2.500"	0.343"	1.750"	3.750"
50B72	B	72	14.690"	1.000"	2.500"	0.343"	1.750"	3.750"
50B76	B	76	15.490"	1.000"	2.500"	0.343"	1.750"	3.750"
50B80	B	80	16.280"	1.000"	2.750"	0.343"	1.750"	4.250"
50B84	B	84	17.080"	1.000"	2.750"	0.343"	1.750"	4.250"
50B95	B	95	19.270"	1.000"	2.750"	0.343"	1.750"	4.250"
50B96	B	96	19.470"	1.000"	2.750"	0.343"	1.750"	4.250"
50B112	B	112	22.650"	1.000"	2.750"	0.343"	1.750"	4.250"

Roller chain sprocket part numbers can be determined as follows:
Chain + (A for Hubless or B for Hub) + Number of Teeth
For example: 50B112 = 50 Chain + B for Hub + 112 Teeth

NO. 60 ROLLER CHAIN SPROCKETS

0.750" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
60B8	B	8	2.260"	0.625"	0.625"	0.459"	1.250"	• 1.469"
60B9	B	9	2.510"	0.750"	0.875"	0.459"	1.250"	• 1.563"
60B10	B	10	2.760"	0.750"	1.125"	0.459"	1.250"	• 1.938"
60B11	B	11	3.000"	0.750"	1.313"	0.459"	1.250"	• 2.063"
60B12	B	12	3.250"	0.750"	1.375"	0.459"	1.250"	• 2.375"
60B13	B	13	3.490"	0.750"	1.500"	0.459"	1.250"	2.344"
60B14	B	14	3.740"	0.750"	1.750"	0.459"	1.250"	2.563"
60B15	B	15	3.980"	0.750"	1.875"	0.459"	1.250"	2.875"
60B16	B	16	4.220"	0.750"	2.000"	0.459"	1.250"	3.063"
60B17	B	17	4.460"	0.750"	2.250"	0.459"	1.250"	
60B18	B	18	4.700"	0.750"	2.375"	0.459"	1.250"	3.500"
60B19	B	19	4.950"	0.750"	2.375"	0.459"	1.250"	3.500"
60B20	B	20	5.190"	0.750"	2.625"	0.459"	1.250"	3.875"
60B21	B	21	5.430"	0.750"	2.750"	0.459"	1.250"	4.000"
60B22	B	22	5.670"	0.750"	2.750"	0.459"	1.250"	4.000"
60B23	B	23	5.910"	0.750"	2.750"	0.459"	1.250"	4.000"
60B24	B	24	6.150"	0.750"	2.750"	0.459"	1.250"	4.000"
60B25	B	25	6.390"	0.750"	2.750"	0.459"	1.250"	4.000"
60B26	B	26	6.630"	0.750"	2.750"	0.459"	1.250"	4.000"
60B27	B	27	6.870"	0.750"	2.750"	0.459"	1.250"	4.000"
60B28	B	28	7.110"	0.750"	2.750"	0.459"	1.250"	4.000"
60B29	B	29	7.350"	0.750"	2.750"	0.459"	1.250"	4.000"
60B30	B	30	7.590"	0.750"	2.750"	0.459"	1.250"	4.000"
60B31	B	31	7.830"	0.750"	2.750"	0.459"	1.250"	4.000"
60B32	B	32	8.070"	0.750"	2.750"	0.459"	1.250"	4.000"
60B33	B	33	8.300"	1.000"	2.750"	0.459"	1.250"	4.000"
60B34	B	34	8.540"	1.000"	2.750"	0.459"	1.250"	4.000"
60B35	B	35	8.780"	1.000"	2.750"	0.459"	1.250"	4.000"
60B36	B	36	9.020"	1.000"	2.750"	0.459"	1.250"	4.000"
60B37	B	37	9.260"	1.000"	2.750"	0.459"	1.250"	4.000"

- Has a recessed groove in the hub for chain clearance •

Roller chain sprocket part numbers can be determined as follows:
 Chain + (A for Hubless or B for Hub) + Number of Teeth
 For example: 60B37 = 60 Chain + B for Hub + 37 Teeth

NO. 60 ROLLER CHAIN SPROCKETS

0.750" Pitch

Hub

Minimum Plain Bore

Steel



Part Number	Type	No. of Teeth	Outside Diameter (in)	Stock Bore (in)	Maximum Bore (in)	Face Width (in)	Overall Length (in)	Hub Diameter (in)
60B38	B	38	9.500"	1.000"	2.750"	0.459"	1.250"	4.250"
60B39	B	39	9.740"	1.000"	2.750"	0.459"	1.250"	4.250"
60B40	B	40	9.980"	1.000"	2.750"	0.459"	1.250"	4.250"
60B41	B	41	10.220"	1.000"	2.750"	0.459"	1.250"	4.250"
60B42	B	42	10.460"	1.000"	2.750"	0.459"	1.250"	4.250"
60B43	B	43	10.700"	1.000"	2.750"	0.459"	1.250"	4.250"
60B44	B	44	10.940"	0.938"	2.750"	0.459"	1.250"	4.250"
60B45	B	45	11.180"	0.313"	2.750"	0.459"	1.250"	4.250"
60B46	B	46	11.420"	0.313"	2.750"	0.459"	1.250"	4.250"
60B47	B	47	11.650"	0.313"	2.750"	0.459"	1.250"	4.250"
60B48	B	48	11.890"	0.938"	2.750"	0.459"	1.250"	4.250"
60B49	B	49	12.130"	0.313"	2.750"	0.459"	1.250"	4.250"
60B50	B	50	12.370"	0.938"	2.750"	0.459"	1.250"	4.250"
60B51	B	51	12.610"	0.313"	2.750"	0.459"	1.250"	4.250"
60B52	B	52	12.850"	0.313"	2.750"	0.459"	1.250"	4.250"
60B53	B	53	13.090"	0.313"	2.750"	0.459"	1.250"	4.250"
60B54	B	54	13.330"	0.313"	2.750"	0.459"	1.750"	4.250"
60B55	B	55	13.570"	1.250"	2.750"	0.459"	1.750"	4.250"
60B56	B	56	13.810"	1.250"	2.750"	0.459"	1.750"	4.250"
60B57	B	57	14.040"	1.250"	2.750"	0.459"	1.750"	4.250"
60B58	B	58	14.280"	1.250"	2.750"	0.459"	1.750"	4.250"
60B59	B	59	14.520"	1.250"	2.750"	0.459"	1.750"	4.250"
60B60	B	60	14.760"	1.250"	2.750"	0.459"	1.750"	4.250"
60B64	B	64	15.720"	1.250"	2.750"	0.459"	1.750"	4.250"
60B65	B	65	15.960"	1.250"	2.750"	0.459"	1.750"	4.250"
60B68	B	68	16.670"	1.250"	2.750"	0.459"	1.750"	4.250"
60B70	B	70	17.150"	1.250"	2.750"	0.459"	1.750"	4.250"
60B72	B	72	17.630"	1.250"	2.750"	0.459"	2.000"	4.250"
60B76	B	76	18.580"	1.250"	2.750"	0.459"	2.000"	4.250"
60B80	B	80	19.540"	1.250"	2.750"	0.459"	2.000"	4.250"
60B84	B	84	20.490"	1.250"	3.250"	0.459"	2.000"	4.750"

Roller chain sprocket part numbers can be determined as follows:
Chain + (A for Hubless or B for Hub) + Number of Teeth
For example: 60B84 = 60 Chain + B for Hub + 84 Teeth