

Conveyor Rollers

Heavy Duty • Made in USA

For Replacement or New Installations

TUFF Conveyor Rollers are built to last. Made with the highest quality materials. Sprockets are continuously welded along seams. We can provide you with custom size rollers specific to your material handling needs.



Key Features

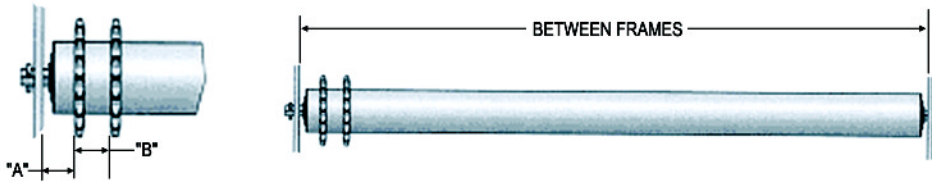
- Fast Delivery
- Made to Order
- Highest Quality Materials
- Competitively Priced
- 1yr. Warranty on Parts

Options:

- Semi-precision or Precision Bearings
- Slip Sleeves and Polyurethane Covers available
- Standard and Non-Standard Lengths and Diameters
- Welded sprockets for CDLR conveyor systems
- Choice of Axle Retainer (Cotter Pin or Spring)

- Blade Stops
- Transfers
- CDLR Conveyor
- Lifts
- Extendable Conveyor
- Specialty Equipment
- Installation





Full Order Number Example: **3.50 - 60 - BRG01 - CP - 45**

Roller Diameters
1.90 x .148 in. Wall (9 Ga.)
2.50 x .120 in. Wall (11 Ga.)
2.56 x .180 in. Wall (7 Ga.)
3.50 x .300 in. Wall (1 Ga.)

Roller Dia.	Sprocket Series	Pitch Dia.	Ft./Rev.	"A"	"B"	HEX
Note: For Gravity Rollers, Enter "GR"						
1.90	(40)A18	2.879	.497	.983	1.125	7/16
1.90	(50)A15	3.006	.497	.954	1.125	
1.90	(60)A13	3.134	.497	.905	1.250	
2.50	(40)A22	3.513	.654	.983	1.125	
2.50	(50)A17	3.401	.654	.962	1.125	11/16
2.50	(60)A15	3.607	.654	1.011	1.250	
2.50	(80)A13	4.179	.654	.971	1.750	
2.56	(40)A22	3.513	.670	.983	1.125	
2.56	(50)A17	3.401	.670	.962	1.125	1 1/16
2.56	(60)A15	3.607	.670	1.011	1.250	
2.56	(80)A13	4.179	.670	.971	1.750	
3.50	(60)A20	4.794	.916	1.00	1.25	
3.50	(80)A16	5.126	.916	.963	1.75	1 1/16
3.50	(100)A13	5.223	.916	1.03	2.00	

Bearing	Type
BRG01	Semi-Precision
BRG02	Precision

(See Roller Spec. Chart)

Axle Retainer	Code
Cotter Pin	CP
Spring	SR

Between Frame	Customer Specified (in)
Example:	45"

Standard Roller Spacing			
Dia.	Sprocket	Min Roller Ctrs.	Increment
1.9	40A18	3 1/2	1/4
1.9	50A15	4 1/16	5/16
1.9	60A13	4 1/8	3/8
2.5	40A22	4 1/4	1/4
2.5	50A17	4 3/8	5/16
2.5	60A15	4 1/2	3/8
2.5	80A13	5 1/2	1/2
2.56	40A22	4 1/4	1/4
2.56	50A18	4 3/8	5/16
2.56	60A15	4 1/2	3/8
2.56	80A13	5 1/2	1/2
3.5	60A20	6	3/8
3.5	80A16	6 1/2	1/2
3.5	100A13	6 7/8	5/8

Load Ratings

Roller 1.9 in. O.D. x 0.148 Wall - 7/16 in. Hex Axle				
BF (in.)	Roller Capacity BRG01 (Lbs.)	Roller Capacity BRG02 (Lbs.)	Roller Weight w/Axle (Lbs.)	Roller Weight w/o Axle (Lbs.)
6"	260	300	3.80	3.20
10	260	300	4.98	4.19
14	260	300	6.16	5.18
18	260	300	7.34	6.18
22	260	300	8.52	7.17
26	260	300	9.70	8.16
30	260	300	10.88	9.15
34	260	300	12.06	10.14
38	240	300	13.24	11.14
42	220	300	14.42	12.13
46	200	300	15.60	13.12
50	180	300	16.78	14.11
54	170	300	17.96	15.10
58	160	300	19.14	16.10
62	150	300	20.32	17.09

CDLR Example: 2 9/16 CDLR roller with #40 sprocket, Spring Retained, Precision Bearing, 28" between Frames

Part Number: **2.56 - 40 - BRG02 - SR - 28**

Gravity Roller Example: 2 9/16 Gravity roller, Spring Retained, Precision Bearing, 28" between Frames

Part Number: **2.56 - GR - BRG02 - SR - 28**

Load Rating

Roller 2.5 in. O.D. 11ga Wall - 11/16 in. Hex Axle				
BF (in.)	Roller Capacity BRG01 (Lbs.)	Roller Capacity BRG02 (Lbs.)	Roller Weight w/Axle (Lbs.)	Roller Weight w/o Axle (Lbs.)
6	580	645	4.88	3.96
10	580	645	6.36	4.98
14	580	645	7.84	5.99
18	580	645	9.32	7.01
22	580	645	10.80	8.02
26	580	645	12.28	9.04
30	580	645	13.76	10.06
34	580	645	15.24	11.07
38	580	645	16.72	12.09
42	580	645	18.20	13.10
46	580	645	19.68	14.12
50	580	645	21.16	15.14
54	580	645	22.64	16.15
58	560	645	24.12	17.17
62	520	645	25.60	18.18
66	490	615	27.08	19.20
70	460	580	28.56	20.22
74	435	551	30.04	21.23
78	415	505	31.52	22.25
82	395	460	33.00	23.26
86	375	420	34.48	24.28
90	360	380	35.96	25.30
94	345	350	37.44	26.31
98	330	320	38.92	27.33

Load Ratings

Roller 3.50 in. O.D. 300 Wall - 1 1/16 in. Hex Axle				
BF (in.)	Roller Capacity BRG01 (Lbs.)	Roller Capacity BRG02 (Lbs.)	Roller Weight w/Axle (Lbs.)	Roller Weight w/o Axle (Lbs.)
6	1040	2490	10.10	8.74
10	1040	2490	14.63	12.16
14	1040	2490	19.16	15.58
18	1040	2490	23.69	19.00
22	1040	2490	28.22	22.42
26	1040	2490	32.75	25.85
30	1040	2490	37.28	29.27
34	1040	2490	41.80	32.69
38	1040	2490	46.33	36.11
42	1040	2490	50.86	39.53
46	1040	2490	55.39	42.95
50	1040	2490	59.92	46.37
54	1040	2490	64.45	49.79
58	1040	2490	68.98	53.22
62	1040	2490	73.51	56.64
66	1040	2200	78.04	60.06
70	1040	1850	82.57	63.48
74	1040	1700	87.10	66.90
78	1040	1600	91.63	70.32
82	1040	1500	96.15	73.74
86	1040	1400	100.68	77.16
90	1040	1330	105.21	80.59
94	1040	1260	109.74	84.01
98	1040	1200	114.27	87.43
102	1040	1160	118.80	90.85
108	1040	1090	125.59	95.98
114	1040	1040	132.39	101.11
120	1040	1020	139.18	106.24

Load Ratings

Roller 2 9/16 in. O.D. 180 Wall - 11/16 in. Hex Axle				
BF (in.)	Roller Capacity BRG01 (Lbs.)	Roller Capacity BRG02 (Lbs.)	Roller Weight w/Axle (Lbs.)	Roller Weight w/o Axle (Lbs.)
6	580	645	5.74	4.81
10	580	645	7.79	6.40
14	580	645	9.84	7.99
18	580	645	11.90	9.57
22	580	645	13.95	11.16
26	580	645	16.00	12.75
30	580	645	18.05	14.34
34	580	645	20.10	15.93
38	580	645	22.16	17.51
42	580	645	24.21	19.10
46	580	645	26.26	20.69
50	580	645	28.31	22.28
54	580	645	30.36	23.87
58	560	645	32.42	25.45
62	520	645	34.47	27.04
66	490	615	36.52	28.63
70	460	580	38.57	30.22
74	435	551	40.62	31.81
78	415	505	42.68	33.39
82	395	460	44.73	34.98
86	375	420	46.78	36.57
90	360	380	48.83	38.16
94	345	350	50.88	39.75
98	330	320	52.94	41.33