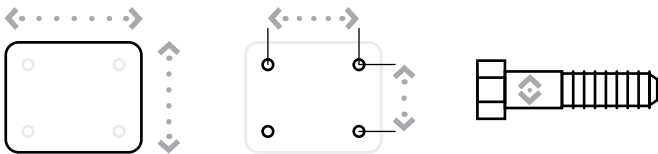


EXTRA HEAVY DUTY 85 SERIES



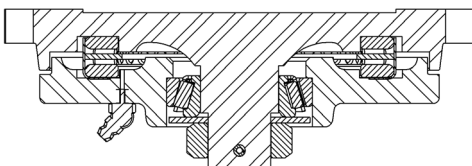
MAXIMUM CAPACITY

10,000 lbs.



Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Standard: 6" x 7.5"	4.5" x 6"	0.5"

85 SERIES TOP PLATE



FEATURES

Swivel Section: Constructed from hot forged C-1045 steel, the swivel section features a large precision machined raceway, with a precision tapered load and tapered thrust bearing.

Legs: 3/8" x 4" legs are formed and continuously welded both inside and outside.

Kingpin: 1-1/4" integrally forged kingpin with slotted adjusting nut.

Axle: 1", Grade 5 axle.

Lubrication: Pre-lubricated before shipping.

Wheels: 6" to 12" diameter wheels.

Finish: Gold Powder Coat.

APPLICATIONS

Applications may include high capacity die tables, die carts, towed trailers, aerospace industry, steel mills, gantries, automated guided vehicles and aircraft maintenance applications.

BENEFITS

The tapered load bearing and thrust bearing enhance the precision nature of this caster creating a swivel section with the highest load carrying capacity for its class. The 85 Series delivers an exceptionally tight tolerance fit. Additionally, the integrally forged kingpin and slotted adjusting nut add strength and longevity to the life of the swivel section.

OPTIONS

BRAKES

Poly Lock: P*
 Wrap Around: W*
 Face Contact: F

SWIVEL LOCKS

Factory Installed: L
 Heavy Duty Demountable: DHDL
 Heavy Duty: HDL
 Foot Actuated: KL

SEALED SWIVEL SECTION SSW

SEALED WHEELS SW

TOE GUARD TG

* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

EXTRA HEAVY DUTY 85 SERIES

STRAIGHT ROLLER BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	4,000	8.50	5.64	2.50	85-06251-20-1	38.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	85-06301-65-1	40.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	85-06301-60-1	37.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	85-06301-35-1	30.00
6	3.00	Forged Steel	6,000	8.50	5.70	2.50	85-06301-20-1	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	85-06301-10-1	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	85-06401-65-1	36.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	85-08301-70-1	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	85-08301-66-1	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	85-08301-60-1	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	85-08301-65-1	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	85-08301-35-1	32.00
8	3.00	Forged Steel	4,500	10.50	6.67	2.50	85-08301-20-1	44.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	85-08301-10-1	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	85-08401-60-1	48.00
8	4.00	Forged Steel	8,400	10.50	6.80	2.50	85-08401-20-1	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	85-10301-70-1	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	85-10301-66-1	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	85-10301-60-1	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	85-10301-65-1	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	85-10301-35-1	36.00
10	3.00	H.D. Forged Steel	5,000	12.50	7.65	2.50	85-10301-21-1	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	85-10301-11-1	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	85-10401-70-1	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	85-10401-60-1	55.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	85-10401-65-1	60.00
10	4.00	Forged Steel	8,400	12.50	7.76	2.50	85-10401-20-1	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	85-12301-70-1	55.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	85-12301-66-1	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	85-12301-65-1	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	85-12301-60-1	55.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	85-12401-70-1	58.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	85-12401-66-1	70.00
12	4.00	H.D. Standard Polyurethane	5,000	15.50	8.73	2.50	85-12401-65-1	70.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	85-12401-12-1	90.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters.

For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. 80-12409-70-2)

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.

CONTINUED

EXTRA HEAVY DUTY 85 SERIES

PRECISION TAPERED BEARING

Diameter	Width	Material	Capacity	OAH	Swivel Radius	Swivel Lead	Part Number	Weight
6	2.50	Forged Steel	5,000	8.50	5.64	2.50	85-06259-20-1	38.00
6	3.00	H.D. T/R Polyurethane	1,640	8.50	5.70	2.50	85-06309-66-1	37.00
6	3.00	H.D. Standard Polyurethane	2,500	8.50	5.70	2.50	85-06309-65-1	40.00
6	3.00	Standard Polyurethane	2,050	8.50	5.70	2.50	85-06309-60-1	37.00
6	3.00	Laminated Phenolic	2,500	8.50	5.70	2.50	85-06309-35-1	30.00
6	3.00	Forged Steel	10,000	8.50	5.70	2.50	85-06309-20-1	45.00
6	3.00	Cast Iron	2,500	8.50	5.70	2.50	85-06309-10-1	36.00
6	4.00	H.D. Standard Polyurethane	3,000	8.50	5.85	2.50	85-06409-65-1	36.00
8	3.00	Mold On Rubber	825	10.50	6.67	2.50	85-08309-70-1	37.00
8	3.00	H.D. T/R Polyurethane	2,500	10.50	6.67	2.50	85-08309-66-1	45.00
8	3.00	Standard Polyurethane	2,500	10.50	6.67	2.50	85-08309-60-1	40.00
8	3.00	H.D. Standard Polyurethane	3,100	10.50	6.67	2.50	85-08309-65-1	45.00
8	3.00	Laminated Phenolic	3,000	10.50	6.67	2.50	85-08309-35-1	32.00
8	3.00	Forged Steel	5,500	10.50	6.67	2.50	85-08309-20-1	44.00
8	3.00	Cast Iron	3,500	10.50	6.67	2.50	85-08309-10-1	40.00
8	4.00	Standard Polyurethane	3,800	10.50	6.80	2.50	85-08409-60-1	48.00
8	4.00	Forged Steel	10,000	10.50	6.80	2.50	85-08409-20-1	48.00
10	3.00	Mold On Rubber	1,000	12.50	7.65	2.50	85-10309-70-1	50.00
10	3.00	H.D. T/R Polyurethane	2,800	12.50	7.65	2.50	85-10309-66-1	55.00
10	3.00	Standard Polyurethane	3,000	12.50	7.65	2.50	85-10309-60-1	49.00
10	3.00	H.D. Standard Polyurethane	3,700	12.50	7.65	2.50	85-10309-65-1	55.00
10	3.00	Laminated Phenolic	3,250	12.50	7.65	2.50	85-10309-35-1	36.00
10	3.00	H.D. Forged Steel	6,500	12.50	7.65	2.50	85-10309-21-1	54.00
10	3.00	Cast Iron	4,000	12.50	7.65	2.50	85-10309-11-1	50.00
10	4.00	Mold On Rubber	1,500	12.50	7.76	2.50	85-10409-70-1	51.00
10	4.00	Standard Polyurethane	4,200	12.50	7.76	2.50	85-10409-60-1	55.00
10	4.00	H.D. Standard Polyurethane	5,000	12.50	7.76	2.50	85-10409-65-1	60.00
10	4.00	Forged Steel	10,000	12.50	7.76	2.50	85-10409-20-1	74.00
12	3.00	Mold On Rubber	1,125	15.50	8.63	2.50	85-12309-70-1	55.00
12	3.00	H.D. T/R Polyurethane	2,900	15.50	8.63	2.50	85-12309-66-1	57.00
12	3.00	H.D. Standard Polyurethane	3,850	15.50	8.63	2.50	85-12309-65-1	53.00
12	3.00	Standard Polyurethane	3,500	15.50	8.63	2.50	85-12309-60-1	55.00
12	4.00	Mold On Rubber	1,600	15.50	8.73	2.50	85-12409-70-1	58.00
12	4.00	H.D. T/R Polyurethane	3,800	15.50	8.73	2.50	85-12409-66-1	70.00
12	4.00	H.D. Standard Polyurethane	5,000	15.50	8.73	2.50	85-12409-65-1	70.00
12	4.00	Ductile Iron	7,500	15.50	8.73	2.50	85-12409-12-1	90.00

Capacity listed is for manual operation. For powered operations, consult factory.

Part Numbers listed are for the swivel casters. For rigid casters, change series to 80 and change the last digit from 1 to 2 (i.e. 80-12409-70-2)

Estimated weight is for swivel caster. Deduct 20 percent of swivel caster weight for rigid casters.

All dimensions are in inches. All weights are in pounds.