

# 85 SERIES EXTRA HEAVY DUTY

10,000 LBS maximum capacity



Item Shown: 85-12501-65-1

## 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 with widths from 2-1/2" to 4".

**Finish:** Gold dichromate plating.

## 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.

**Sealed Wheels:** ..... SW

**Toe Guard:** ..... TG

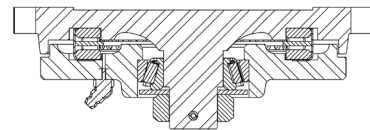
*\*For wheels with diameter >6*

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 6.0 x 7.5	4.5 x 6.0	0.5

## 85 Series Cross Sectional View



## OPTIONS

### Brakes:

Poly Lock: ..... P\*

Wrap Around: ..... W\*

Face Contact: ..... F

### Swivel Locks:

Factory Installed: ..... L

Heavy Duty: ..... HDL

Heavy Duty Demountable: ..... DHDL

**Sealed Swivel:** ..... SSW

## APPLICATIONS

This design is used in applications where high load capacities are required and the area for the caster does not lend itself to the bulkiness of larger casters. It is also ideal where constant use under load requires a high performance caster. Applications may include high capacity die tables, die carts, towed trailers, aerospace industry, steel mills, gantries, automated guided vehicles and aircraft maintenance applications.

WHEEL			CAPACITY				PART NUMBER			
Dia.	Width	Material	Roller Bearing	Tapered	OAH	Swivel Lead	Straight Roller	Precision Tapered	Swivel Radius	Wt.
6	2.50	Forged Steel	4,000	5,000	8.50	2.50	<a href="#">85-06251-20-1</a>	85-06259-20-1	5.64	38.00
6	3.00	H.D. T/R Polyurethane		1,640	8.50	2.50		85-06309-66-1	5.70	37.00
6	3.00	H.D. Standard Polyurethane	2,500	2,500	8.50	2.50	<a href="#">85-06301-65-1</a>	85-06309-65-1	5.70	40.00
6	3.00	Standard Polyurethane	2,050	2,050	8.50	2.50	<a href="#">85-06301-60-1</a>	85-06309-60-1	5.70	37.00
6	3.00	Laminated Phenolic	2,500	2,500	8.50	2.50	<a href="#">85-06301-35-1</a>	85-06309-35-1	5.70	30.00
6	3.00	Forged Steel	6,000	10,000	8.50	2.50	<a href="#">85-06301-20-1</a>	85-06309-20-1	5.70	45.00
6	3.00	Cast Iron	2,500	2,500	8.50	2.50	<a href="#">85-06301-10-1</a>	85-06309-10-1	5.70	36.00
6	4.00	H.D. Standard Polyurethane	3,000	3,000	8.50	2.50	<a href="#">85-06401-65-1</a>	85-06409-65-1	5.85	36.00
8	3.00	Mold On Rubber	825	825	10.50	2.50	<a href="#">85-08301-70-1</a>	85-08309-70-1	6.67	37.00
8	3.00	H.D. T/R Polyurethane	2,500	2,500	10.50	2.50	<a href="#">85-08301-66-1</a>	85-08309-66-1	6.67	45.00
8	3.00	Standard Polyurethane	2,500	2,500	10.50	2.50	<a href="#">85-08301-60-1</a>	85-08309-60-1	6.67	40.00
8	3.00	H.D. Standard Polyurethane	3,100	3,100	10.50	2.50	<a href="#">85-08301-65-1</a>	85-08309-65-1	6.67	45.00
8	3.00	Laminated Phenolic	3,000	3,000	10.50	2.50	<a href="#">85-08301-35-1</a>	85-08309-35-1	6.67	32.00
8	3.00	Forged Steel	4,500	5,500	10.50	2.50	<a href="#">85-08301-20-1</a>	85-08309-20-1	6.67	44.00
8	3.00	Cast Iron	3,500	3,500	10.50	2.50	<a href="#">85-08301-10-1</a>	85-08309-10-1	6.67	40.00
8	4.00	Standard Polyurethane	3,800	3,800	10.50	2.50	<a href="#">85-08401-60-1</a>	85-08409-60-1	6.80	48.00
8	4.00	Forged Steel	8,400	10,000	10.50	2.50	<a href="#">85-08401-20-1</a>	85-08409-20-1	6.80	48.00
10	3.00	Mold On Rubber	1,000	1,000	12.50	2.50	<a href="#">85-10301-70-1</a>	85-10309-70-1	7.65	50.00
10	3.00	H.D. T/R Polyurethane	2,800	2,800	12.50	2.50	<a href="#">85-10301-66-1</a>	85-10309-66-1	7.65	55.00
10	3.00	Standard Polyurethane	3,000	3,000	12.50	2.50	<a href="#">85-10301-60-1</a>	85-10309-60-1	7.65	49.00
10	3.00	H.D. Standard Polyurethane	3,700	3,700	12.50	2.50	<a href="#">85-10301-65-1</a>	85-10309-65-1	7.65	55.00
10	3.00	Laminated Phenolic	3,250	3,250	12.50	2.50	<a href="#">85-10301-35-1</a>	85-10309-35-1	7.65	36.00
10	3.00	H.D. Forged Steel	5,000	6,500	12.50	2.50	<a href="#">85-10301-21-1</a>	85-10309-21-1	7.65	54.00
10	3.00	Cast Iron	4,000	4,000	12.50	2.50	<a href="#">85-10301-11-1</a>	85-10309-11-1	7.65	50.00
10	4.00	Mold On Rubber	1,500	1,500	12.50	2.50	<a href="#">85-10401-70-1</a>	85-10409-70-1	7.76	51.00
10	4.00	Standard Polyurethane	4,200	4,200	12.50	2.50	<a href="#">85-10401-60-1</a>	85-10409-60-1	7.76	55.00
10	4.00	H.D. Standard Polyurethane	5,000	5,000	12.50	2.50	<a href="#">85-10401-65-1</a>	85-10409-65-1	7.76	60.00
10	4.00	Forged Steel	8,400	10,000	12.50	2.50	<a href="#">85-10401-20-1</a>	85-10409-20-1	7.76	74.00
12	3.00	Mold On Rubber	1,125	1,125	15.50	2.50	<a href="#">85-12301-70-1</a>	85-12309-70-1	8.63	55.00
12	3.00	H.D. T/R Polyurethane	2,900	2,900	15.50	2.50	<a href="#">85-12301-66-1</a>	85-12309-66-1	8.63	57.00
12	3.00	H.D. Standard Polyurethane	3,850	3,850	15.50	2.50	<a href="#">85-12301-65-1</a>	85-12309-65-1	8.63	53.00
12	3.00	Standard Polyurethane	3,500	3,500	15.50	2.50	<a href="#">85-12301-60-1</a>	85-12309-60-1	8.63	55.00
12	4.00	Mold On Rubber	1,600	1,600	15.50	2.50	<a href="#">85-12401-70-1</a>	85-12409-70-1	8.73	58.00
12	4.00	H.D. T/R Polyurethane	3,800	3,800	15.50	2.50	<a href="#">85-12401-66-1</a>	85-12409-66-1	8.73	70.00
12	4.00	H.D. Standard Polyurethane	5,000	5,000	15.50	2.50	<a href="#">85-12401-65-1</a>	85-12409-65-1	8.73	70.00
12	4.00	Ductile Iron	7,500	7,500	15.50	2.50	<a href="#">85-12401-12-1</a>	85-12409-12-1	8.73	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.