

# 80

## SERIES EXTRA HEAVY DUTY

5,000 <sup>lbs</sup> maximum capacity

[casterdepot.com](http://casterdepot.com)



Item Shown: 80-08309-25-1

### FEATURES

**Swivel Section:** Drop forged from C-1045 steel with 5" diameter, precision machined load raceway. A 1-1/4" tapered thrust bearing completes the precision fit.

**Legs:** 3/8" x 4" 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 dichromate plating.

### BENEFITS

The 80 Series has a ball load swivel that delivers high capacity at a good value. The raceways are heat treated to eliminate brinelling of the surface when the casters are subjected to shock loads. The exceptional strength of the 80 Series makes it an ideal choice for rugged applications.

These casters are built around automotive industry standards. Please consult factory.

- Sealed Swivel:**.....SSW
- Sealed Wheels:**.....SW
- Toe Guard:**.....TG

*\*For wheels with diameter >6*

Top Plate Size	Bolt Hole Spacing	Bolt Diameter
Std: 6.0 x 7.5	4.5 x 6.0	0.5
OT-CJ: 6.0 x 7.5	4.625 x 5.5	0.5

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

### OPTIONS

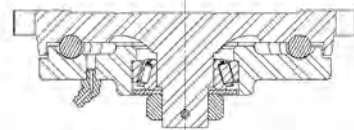
- Brakes:**
- Poly Lock:.....P\*
  - Wrap Around:.....W\*
  - Face Contact:.....F

- Swivel Locks:**
- Factory Installed:.....L
  - Heavy Duty:.....HDL
  - Demountable:.....DL
  - Heavy Duty Demountable:.....DHDL

### APPLICATIONS

Die carts, automotive plants, steel mills, production line delivery trailers, fiberglass lay up molds, stamping racks, aircraft maintenance, aircraft crew stairs, trash gondolas and other aircraft ground support equipment.

80 Series Cross Sectional View



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	<u>80-06251-20-1</u>	80-06259-20-1	5.64	38.00
6	3.00	H.D. T/R Polyurethane		1,640	8.50	2.50		80-06309-66-1	5.70	37.00
6	3.00	H.D. Standard Polyurethane	2,500	2,500	8.50	2.50	<u>80-06301-65-1</u>	80-06309-65-1	5.70	40.00
6	3.00	Standard Polyurethane	2,050	2,050	8.50	2.50	<u>80-06301-60-1</u>	80-06309-60-1	5.70	37.00
6	3.00	Laminated Phenolic	2,500	2,500	8.50	2.50	<u>80-06301-35-1</u>	80-06309-35-1	5.70	30.00
6	3.00	Forged Steel	5,000	5,000	8.50	2.50	<u>80-06301-20-1</u>	80-06309-20-1	5.70	45.00
6	3.00	Cast Iron	2,500	2,500	8.50	2.50	<u>80-06301-10-1</u>	80-06309-10-1	5.70	36.00
6	4.00	H.D. Standard Polyurethane	3,000	3,000	8.50	2.50	<u>80-06401-65-1</u>	80-06409-65-1	5.85	36.00
8	3.00	Mold On Rubber	825	825	10.50	2.50	<u>80-08301-70-1</u>	80-08309-70-1	6.67	37.00
8	3.00	H.D. T/R Polyurethane	2,500	2,500	10.50	2.50	<u>80-08301-66-1</u>	80-08309-66-1	6.67	45.00
8	3.00	Standard Polyurethane	2,500	2,500	10.50	2.50	<u>80-08301-60-1</u>	80-08309-60-1	6.67	40.00
8	3.00	H.D. Standard Polyurethane	3,100	3,100	10.50	2.50	<u>80-08301-65-1</u>	80-08309-65-1	6.67	45.00
8	3.00	Laminated Phenolic	3,000	3,000	10.50	2.50	<u>80-08301-35-1</u>	80-08309-35-1	6.67	32.00
8	3.00	Forged Steel	5,000	5,000	10.50	2.50	<u>80-08301-20-1</u>	80-08309-20-1	6.67	44.00
8	3.00	Cast Iron	4,500	4,500	10.50	2.50	<u>80-08301-11-1</u>	80-08309-11-1	6.67	40.00
8	4.00	Standard Polyurethane	3,800	3,800	10.50	2.50	<u>80-08401-60-1</u>	80-08409-60-1	6.80	48.00
8	4.00	Forged Steel	5,000	5,000	10.50	2.50	<u>80-08401-20-1</u>	80-08409-20-1	6.80	48.00
10	3.00	Mold On Rubber	1,000	1,000	12.50	2.50	<u>80-10301-70-1</u>	80-10309-70-1	7.65	50.00
10	3.00	H.D. T/R Polyurethane	2,800	2,800	12.50	2.50	<u>80-10301-66-1</u>	80-10309-66-1	7.65	55.00
10	3.00	Standard Polyurethane	3,000	3,000	12.50	2.50	<u>80-10301-60-1</u>	80-10309-60-1	7.65	49.00
10	3.00	H.D. Standard Polyurethane	3,700	3,700	12.50	2.50	<u>80-10301-65-1</u>	80-10309-65-1	7.65	55.00
10	3.00	Laminated Phenolic	3,250	3,250	12.50	2.50	<u>80-10301-35-1</u>	80-10309-35-1	7.65	36.00
10	3.00	H.D. Forged Steel	5,000	5,000	12.50	2.50	<u>80-10301-21-1</u>	80-10309-21-1	7.65	54.00
10	3.00	Cast Iron	4,000	4,000	12.50	2.50	<u>80-10301-11-1</u>	80-10309-11-1	7.65	50.00
10	4.00	Mold On Rubber	1,500	1,500	12.50	2.50	<u>80-10401-70-1</u>	80-10409-70-1	7.76	51.00
10	4.00	Standard Polyurethane	4,200	4,200	12.50	2.50	<u>80-10401-60-1</u>	80-10409-60-1	7.76	55.00
10	4.00	H.D. T/R Polyurethane	4,000		12.50	2.50		80-10409-66-1	7.76	60.00
10	4.00	H.D. Standard Polyurethane	5,000	5,000	12.50	2.50	<u>80-10401-65-1</u>	80-10409-65-1	7.76	60.00
10	4.00	Forged Steel	5,000	5,000	12.50	2.50	<u>80-10401-20-1</u>	80-10409-20-1	7.76	74.00
12	3.00	Mold On Rubber	1,125	1,125	15.50	2.50	<u>80-12301-70-1</u>	80-12309-70-1	8.63	55.00
12	3.00	H.D. T/R Polyurethane	2,900	2,900	15.50	2.50	<u>80-12301-66-1</u>	80-12309-66-1	8.63	57.00
12	3.00	H.D. Standard Polyurethane	3,850	3,850	15.50	2.50	<u>80-12301-65-1</u>	80-12309-65-1	8.63	53.00
12	3.00	Standard Polyurethane	3,500	3,500	15.50	2.50	<u>80-12301-60-1</u>	80-12309-60-1	8.63	53.00
12	4.00	Mold On Rubber	1,600	1,600	15.50	2.50	<u>80-12401-70-1</u>	80-12409-70-1	8.73	58.00
12	4.00	H.D. T/R Polyurethane	3,800	3,800	15.50	2.50	<u>80-12401-66-1</u>	80-12409-66-1	8.73	70.00
12	4.00	H.D. Standard Polyurethane	5,000	5,000	15.50	2.50	<u>80-12401-65-1</u>	80-12409-65-1	8.73	70.00
12	4.00	H.D. Hard Polyurethane (70D)	5,000	5,000	15.50	2.50	<u>80-12401-67-1</u>	80-12409-67-1	8.73	53.00

Capacity listed is for manual operation. For powered operations, consult factory.  
 Part Numbers listed are for the swivel casters. For rigid casters, change the last digit from 1 to 2 (i.e. 80-10309-70-2)  
 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.