

EXTRA HEAVY DUTY 80 SERIES



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 Powder Coat

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.

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.

OPTIONS

BRAKES

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

SWIVEL LOCKS

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

SEALED SWIVEL SECTION SSW

SEALED WHEELS SW

TOE GUARD TG

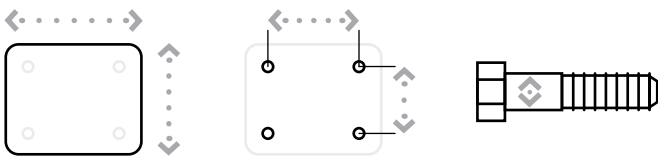
* For wheels with a diameter > 6"

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

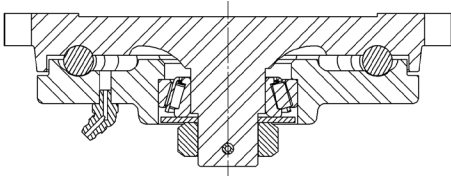
MAXIMUM CAPACITY

5,000 lbs.



| Top Plate Size | Bolt Hole Spacing | Bolt Diameter |
|--|-------------------|---------------|
| Standard: 6" x 7.5" | 4.5" x 6" | 0.5" |
| OT-CJ: Optional Top Plate Columbus Jack 6" x 7.5" | 4.625" x 5.5" | 0.5" |

80 SERIES TOP PLATE



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

CONTINUED

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