

# 87

## SERIES EXTRA HEAVY DUTY

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



Item Shown: 87-08302-43-1

### FEATURES

**Swivel Section:** Sealed precision ball bearing with hardened raceways and neoprene seals.

**Legs:** 3/8" x 3" steel, formed and continuously welded on the inside and outside to the yoke base.

**Kingpin:** 1" Alloy Steel Kingpin.

**Axle:** 1" Diameter Axle.

**Lubrication:** Sealed ball bearing is lubricated and requires zero maintenance.

**Wheels:** 6" to 12" diameter wheels with widths from 2-1/2" to 4".

**Finish:** Gold dichromate plating.

### BENEFITS

The 87 Series is maintenance free with its sealed precision ball bearing in the swivel section and in the wheels. The smooth rotation and extended lead help lower ergonomic forces.

### APPLICATIONS

Suitable for power drawn applications, Automated Guided Vehicles (AGVs), aircraft wing and spar tooling, material carts, chassis rack carts, and aircraft maintenance stands.

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

### OPTIONS

**Brakes:**  
Poly Lock: ..... P\*  
Face Contact: ..... F

**Swivel Locks:**  
Factory Installed: ..... L  
Demountable: ..... DL

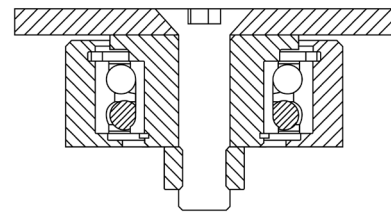
**Toe Guard:** ..... TG

\*For wheels with diameter >6

Contact the factory for special overall heights and finishes.

DUAL WHEEL DESIGN AVAILABLE

### 87 Series Cross Sectional View



| WHEEL |       |                     | CAPACITY       |       |             | PART NUMBER          |               |       |
|-------|-------|---------------------|----------------|-------|-------------|----------------------|---------------|-------|
| Dia.  | Width | Material            | Precision Ball | OAH   | Swivel Lead | Precision Ball       | Swivel Radius | Wt.   |
| 6     | 3.00  | T/R Polyurethane    | 1640           | 9.50  | 3.00        | <u>87-06302-61-1</u> | 5.64          | 37.00 |
| 6     | 3.00  | T/R-95 Polyurethane | 2070           | 9.50  | 3.00        | <u>87-06302-91-1</u> | 5.70          | 37.00 |
| 6     | 3.00  | HPPT Polyurethane   | 2300           | 9.50  | 3.00        | <u>87-06302-90-1</u> | 5.70          | 37.00 |
| 6     | 3.00  | T/R Polyurethane    | 1640           | 9.50  | 3.00        | <u>87-06302-93-1</u> | 5.70          | 37.00 |
| 6     | 3.00  | T/R-95 Polyurethane | 2070           | 9.50  | 3.00        | <u>87-06302-94-1</u> | 5.70          | 37.00 |
| 8     | 3.00  | T/R Polyurethane    | 2000           | 11.50 | 3.00        | <u>87-08302-61-2</u> | 6.67          | 45.00 |
| 8     | 3.00  | T/R-95 Polyurethane | 2800           | 11.50 | 3.00        | <u>87-08302-91-2</u> | 6.67          | 45.00 |
| 8     | 3.00  | HPPT Polyurethane   | 3100           | 11.50 | 3.00        | <u>87-08302-90-2</u> | 6.67          | 45.00 |
| 8     | 3.00  | T/R Polyurethane    | 2000           | 11.50 | 3.00        | <u>87-08302-93-2</u> | 6.67          | 45.00 |
| 8     | 3.00  | T/R-95 Polyurethane | 2800           | 11.50 | 3.00        | <u>87-08302-94-2</u> | 6.67          | 45.00 |
| 10    | 3.00  | T/R Polyurethane    | 2400           | 13.50 | 3.00        | <u>87-10302-61-3</u> | 7.65          | 55.00 |
| 10    | 3.00  | T/R-95 Polyurethane | 3100           | 13.50 | 3.00        | <u>87-10302-91-3</u> | 7.65          | 55.00 |
| 10    | 3.00  | HPPT Polyurethane   | 3450           | 13.50 | 3.00        | <u>87-10302-90-3</u> | 7.65          | 55.00 |
| 10    | 3.00  | T/R Polyurethane    | 2400           | 13.50 | 3.00        | <u>87-10302-93-3</u> | 7.65          | 55.00 |
| 10    | 3.00  | T/R-95 Polyurethane | 3100           | 13.50 | 3.00        | <u>87-10302-94-3</u> | 7.65          | 55.00 |
| 12    | 3.00  | T/R Polyurethane    | 2800           | 15.75 | 3.00        | <u>87-12302-61-4</u> | 8.63          | 57.00 |
| 12    | 3.00  | T/R-95 Polyurethane | 3400           | 15.75 | 3.00        | <u>87-12302-91-4</u> | 8.63          | 57.00 |
| 12    | 3.00  | HPPT Polyurethane   | 3800           | 15.75 | 3.00        | <u>87-12302-90-4</u> | 8.63          | 57.00 |
| 12    | 3.00  | T/R Polyurethane    | 2800           | 15.75 | 3.00        | <u>87-12302-93-4</u> | 8.63          | 57.00 |
| 12    | 3.00  | T/R-95 Polyurethane | 3400           | 15.75 | 3.00        | <u>87-12302-94-4</u> | 8.73          | 57.00 |

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.