

# 90

## 90 Heavy Duty Casters

CAPACITY TO 3500

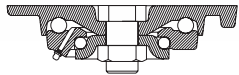


Our popular 90 Series is made from AISI 1045 drop forged steel and is highly recommended for rugged heavy duty applications.

### TYPICAL APPLICATIONS

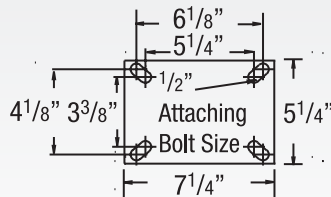
- Heavy duty power drawn equipment
- High capacity die tables
- Portable work benches
- Machinery dollies
- Heavy production fixtures or jigs
- Corrugated steel box trucks
- Heavy portable storage racks

### SWIVEL CROSS SECTION



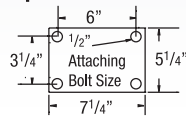
### MOUNTING OPTIONS

#### Standard Plate



#### Special Order Plate

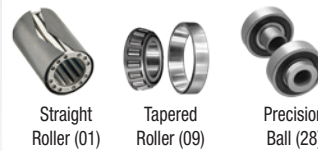
#### Optional W Plate



### FEATURES

- **Swivel Top Plate:** AISI 1045 drop forged steel, for strength and reliability
- **Yoke Base:** AISI 1045 drop forged steel with machined raceway for extended service life
- **Swivel Load Bearing:** 4" diameter deep-grooved load raceway with 1/2" steel balls for better load distribution. The thrust race is 2-5/8" diameter using 3/8" diameter steel balls for increased capacity
- **Legs:** 3/8" steel plate welded inside and out for added strength
- **King Bolt:** 1" diameter bolt heat treated for extended service
- **Axle:** 3/4" and 1" hollow axles are used for wheel bearing lubrication
- **Lubrication:** Zerk fitting in yoke base and in wheel hub or recessed in head of hollow axle
- Alternate or custom caster configurations available

### BEARING OPTIONS



### TOE GUARD



Specify **TOE** for caster integrated toe guard. Standard model toe guards are 1/2" from the floor. Consult factory for field installable options.

### RIG OPTIONS

- **Sealed swivel** section specify **NS90**
- **Heat treated raceway** specify **HT03**
- **Tapered thrust bearing** option available for special order. Consult factory

### BRAKE OPTIONS

To order, add brake code below to end of model. Example: 90PY06401SP

**Poly Cam** specify **P**



**Single Side** specify **SSB90**. **Double Sided** specify **DSB90**

**Face Contact** specify **F**



**Wrap Around** specify **WB90**

**PLB Integrated** specify **PLB**



**Face** specify **FBB** (3" tread width only)

**Welded Swivel Lock** specify **L**



**Hand operated field Installable Swivel Lock** order **SL900000** separately

	Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Base Caster Number+
--	-------------------------	----------------------	---	-------------------------	----------------------	-------------------	---------------------

### Moldon Rubber on Cast Iron (01 Roller Bearing)\*

MR	Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Base Caster Number+
6	2 1/2	700	8	2 1/4	22	90MR06401	
6	3	750	8	2 1/4	23 3/4	90MR06501	
8	2 1/2	850	10 1/2	2 1/2	27 1/4	90MR08401	
8	3	900	10 1/2	2 1/2	27 1/4	90MR08501	
10	2 1/2	950	12 1/2	2 1/2	29 1/2	90MR10401	
10	3	1000	12 1/2	2 1/2	30 1/2	90MR10501	
10	3 1/2	1800	12 1/2	2 1/2	30 1/2	90MH10501	
10	4 2	1400	12 1/2	2 1/2	44 1/2	90MR10701	
12	2 1/2	2500	15 1/2	2 1/2	35	90MR12401	
12	3	1200	15 1/2	2 1/2	36 1/4	90MR12501	

\* (09) Tapered Roller Bearings available. Change "01" to other bearing code. Tapered Roller example: 90MR06509. <sup>1</sup>Heavy-duty MH version of 10x3 wheel. <sup>2</sup>10 x 4 model has solid axle; all others hollow axle.

	Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Base Caster Number+
--	-------------------------	----------------------	---	-------------------------	----------------------	-------------------	---------------------

### Polyurethane on Aluminum (01 Roller Bearing)

PA/PD	Wheel Diameter (Inches)	Tread Width (Inches)	Capacity (Lbs) (Rated for normal operation)	Overall Height (Inches)	Swivel Lead (Inches)	Approx. Wt. (Lbs)	Base Caster Number+
4	3 1/4	1200	6	2	17 1/4	90PA04501	
4	4	1600	6	2	20 1/2	90PA04701*	
8	2 1/2	2010	10 1/2	2 1/2	21 1/2	90PD08401	
8	3	2520	10 1/2	2 1/2	22 1/2	90PD08501	
10	2 1/2	2370	12 1/2	2 1/2	24	90PD10401	
10	3	3000	12 1/2	2 1/2	25	90PD10501	

\*1" solid axle.

Continue on next page >>

