

# 4 40 SERIES SPRING-LOADED CASTERS



SWIVEL CROSS SECTION



## APPLICATIONS

**Manufacturing Plant Carts**

**Aerospace/Automotive**

**Specialty Toolboxes**

**Ground Support Equipment**

**Technology Carts**

**Portable Cranes & Hoists**

**Mobile Workstations**

**Monitoring Carts**

**Laboratory Equipment**

## 500 LBS. LOAD CAPACITY CASTERS

- **Load Springs:** Maximum rated capacity loads will deflect wheel approximately 3/8" (50%). Different load springs for each series permits wide variation in ride "softness." They can be preloaded to obtain various degrees of deflection
- **Top Plate & Yoke Base:** Made from 1/4" steel plate and unnotched
- **Swivel Section:** Cold formed, hardened double ball bearing raceways minimize ball indentation and wear
- **Legs:** 1/4" steel cold formed to increase strength and welded to the yoke base
- **King Bolt:** 5/8" diameter orbitally spun steel rivet
- **Axle:** 1/2" diameter hollow axle complete with lock nut. Axle is solid for 28 & 29 ball bearings
- **Wheel Seals:** Nylon seal retaining/thrust washers
- Alternate or custom caster configurations available

*Designed with the load in mind, the 40 series protects from damaging shocks or unwanted vibration and movement. Noise levels are reduced through the dampening effect of these casters.*

## MOUNTING

### TOP PLATE: (STANDARD)

**Plate Size:** 4 x 4-1/2

**Bolt Holes:** 2-5/8 x 3-5/8  
slotted to 3 x 3

**Bolt Size:** 3/8

## RIG OPTIONS

<b>NS</b>	Neoprene Sealed Swivel Section
<b>ZF</b>	Hollow Axle
<b>SSB</b>	Single Side Brake
<b>DSB</b>	Double Side Brake
<b>SL</b>	Swivel Lock

## BRAKES OPTIONS

**Single Sided** and **Double Sided** Brakes available. Consult Factory

**Swivel Lock** available (welded) Consult Factory

## TYPICAL APPLICATIONS

- Aircraft tripod jacks
- Portable medical equipment
- Computer equipment
- Shock sensitive loads

## BEARING OPTIONS

Roller Bearing (02)

Industrial Ball (27)

Precision Ball (28)

**Also Available:**

**41, 42, 44 Spring Loaded Kingpin Series**

**141 Spring Loaded Kingpinless Casters**

**S310, S410, S610 Spring Loaded Kingpinless Casters**

**Call Acorn for specifications.**

# 4 40 SERIES SPRING-LOADED CASTERS

## X-TRA SOFT FLAT TREAD 29 PEDESTAL PRECISION XS

- Prevenz™ antimicrobial models available
- Add PREV to end of caster number
- Industrial Ball 27, Annular Ball 31 available
- Change "01" to other bearing code
- Industrial Ball example: 40XS05227



Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40XS05229S	40XS05229R	5	2	500	8	1-3/4	8
40XS06229S	40XS06229R	6	2	500	8-1/2	1-3/4	8-1/2
40XS08229S	40XS08229R	8	2	500	10-1/2	1-3/4	9-1/2

## POLYURETHANE ON POLYPROPYLENE 29 PEDESTAL PRECISION XA

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40XA05229S	40XA05229R	5	2	500	8	1-3/4	8
40XA06229S	40XA06229R	6	2	500	8-1/2	1-3/4	8-3/4
40XA08229S	40XA08229R	8	2	500	10-1/2	1-3/4	9-1/2



## ELASTIC BLUE RUBBER BALL BEARING ERB

- Elastic solid rubber, smooth rolling quality
- Color Blue, 65° + 3° shore A
- Vulcanized, for non-detachable bond, low rolling resistance
- Made of aluminum die-cast, corrosion-resistant, with dual sealed precision ball bearings

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40ERB06229S	40ERB06229R	6	2	500	7-1/2	1-3/4	6-1/2
40ERB08229S	40ERB08229R	8	2	500	9-1/2	1-3/4	7-1/2



## POLYURETHANE ON ALUMINUM FLAT TREAD 29 PEDESTAL PRECISION PD

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40PD05229S	40PD05229R	5	2	500	8	1-3/4	9
40PD06229S	40PD06229R	6	2	500	8-1/2	1-3/4	8-3/4
40PD08229S	40PD08229R	8	2	500	10-1/2	1-3/4	10



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## POLYURETHANE ON ALUMINUM ROUND TREAD 28 ROLLER BEARING

### PM

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40PM05228S	40PM05228R	5	2	500	8	1-3/4	11
40PM06228S	40PM06228R	6	2	500	8-1/2	1-3/4	12-1/2
40PM08228S	40PM08228R	8	2	500	10-1/2	1-3/4	13



## POLYURETHANE ON POLYPROPYLENE 29 PEDESTAL PRECISION

### PM80A

• Precision Pedestal Bearing

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40PM0522880AS	40PM0522880AR	5	2	500	8	1-3/4	11
40PM0622880AS	40PM0622880AR	6	2	500	8-1/2	1-3/4	12-1/2
40PM0822880AS	40PM0822880AR	8	2	500	10-1/2	1-3/4	13



## NYLACRON™ 29 PRECISION BALL BEARING

### NY/MD

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40NYMD05201S	40NYMD05201R	5	2	500	8	1-3/4	8
40NYMD06201S	40NYMD06201R	6	2	500	8-1/2	1-3/4	8-3/4
40NYMD08201S	40NYMD08201R	8	2	500	10-1/2	1-3/4	9-1/2



## NYLACRON™ WHITE 29 PRECISION BALL BEARING

### NY/MC

Part Number Swivel Caster	Part Number Rigid Caster	Wheel Diameter (inch)	Tread Width (inch)	Load Capacity (lbs)	Overall Height (inch)	Swivel Lead (inch)	Approx. Weight (lbs)
40NYMC05228S	40NYMC05228R	5	2	500	8	1-3/4	8
40NYMC06228S	40NYMC06228R	6	2	500	8-1/2	1-3/4	8-3/4
40NYMC08228S	40NYMC08228R	8	2	500	10-1/2	1-3/4	9-1/2



*Other type wheels available including Prevenz™ Antimicrobial Wheels.*