



Nylacron™ Wheels

With Precision Ball Bearings for Any Application
(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.



Vulkollan™ & Premium Urethanes Made the Bayer™ Way (Hot Poured)

with Precision Ball Bearings for Any Application



Vulkollan™ 93A
Cast Iron Core
(VU9/CA)



Urethane 93A
Cast Iron Core
(Pevopur™)
(PY9/CA)



Urethane Soft 75-80A
Cast Iron Core
(Pevopur™)
(PY8/CA)

| Series | Caster Type | Page # |
|------------|--|--------|
| 6-81 | Kingpin - Hot Forged | 2-4 |
| 6-81HD | Kingpin - Hot Forged (w/ Total Lock) | 5-6 |
| 6-81K | Kingpinless - Hot Forged | 7-9 |
| 6-81KHD | Kingpinless HD - Hot Forged (w/ Adjustable Total Lock) ... | 10-11 |
| 6-81KHD/DW | Kingpinless - Dual Wheel | 12-13 |
| 6-81K/SA | Kingpinless - Shock Absorbing Rigs | 14-15 |
| 6-81KHD/SA | Kingpinless - Shock Absorbing Rigs | 14-15 |
| 6-81K/DW | Kingpinless - Dual Wheel | 16-17 |
| 6-81KSS | Kingpinless - Stainless Steel | 18-19 |
| 6-81KHDSS | Kingpinless - Polished Stainless Steel | 20-21 |

Acorn™ can supply any size and type caster rig with any type wheel with proper size precision ball bearings. Call, fax or e-mail for application assistance, or visit our website to view or print our complete catalog.

Visit our Web site for new products
www.acornindprod.com



The Swivel-EAZ™ (Dual-in-One) wheel easily turns a single wheel caster rig into a dual wheel premium urethane tread caster.

The Swivel-EAZ™ (Dual-in-One) wheels, designed originally for the automotive industry, is now a best value solution for manual or towing applications (Up to 8 mph) in many other industries.

Available in 4 Durometers:
70A (Black), 80A (Red), 95A (Blue) and 60D (Gray)
Tread Types: CR: Crown or FT: Flat Tread
Axles Sizes: 1/2", 3/4", 1" and 1-1/4"

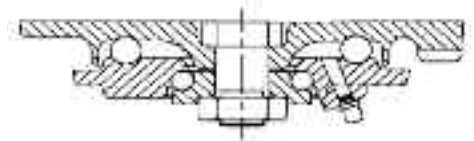
6-81 CONSTRUCTION FEATURES

Load Capacity Up to 2000 lbs.

- **Top Plate:** Rugged AISI 1045 Drop forged steel for maximum strength
- **Swivel Section:** Double ball bearing coined "deep-groove" load and machined component thrust raceways
- **Legs:** 3/8" steel, engineered to increase strength and welded construction
- **King Bolt:** 3/4" diameter heat treated bolt and nut for enhanced load capacity
- **Axle:** 3/4" diameter, hollow, with lock nut.
- **Lubrication:** Zerk fitting in swivel section and in recessed head of hollow axle
- **Alternate or Custom Caster Configurations Available**



SWIVEL CROSS SECTION



RIG OPTIONS

| | |
|---------------|--|
| NSS | Neoprene Sealed Swivel Section |
| SLW | Swivel Lock Welded |
| SLHOFI | Swivel Lock - Hand Operated Field Installable |

BRAKE OPTIONS

| | |
|------------|--------------------|
| PCB | Poly Cam Brake |
| FCB | Face Contact Brake |
| FBB | Face Brake |
| WB | Wrap Around Brake |
| SSB | Single Side Brake |
| DSB | Double Side Brake |

MOUNTING PLATE (SWIVEL / RIGID)

| Top Plate | Plate Size | Bolt Hole Spacing | Bolt Size |
|-------------------|-----------------|--|-----------|
| (Standard Swivel) | 4 1/2" x 6 1/4" | 2 7/16" x 4 15/16" slotted to 3 3/8" x 5 1/4" | 1/2" |
| (Standard Rigid) | 5" x 6 1/4" | 2 7/16" x 4 15/16" slotted to 3 3/8" x 5 1/4" | 1/2" |
| TPD | 5" x 5 1/2" | 4 1/8" x 4 1/4" | 3/8" |
| TPW | 4 1/2" x 7 1/4" | 3 1/4" x 6" | 1/2" |



Nylacron™ Wheels

With Precision Ball Bearings for Any Application

(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.



The Swivel-EAZ™ (Dual-in-One) wheel easily turns a single wheel caster rig into a dual wheel premium urethane tread caster.

The Swivel-EAZ™ (Dual-in-One) wheels, designed originally for the automotive industry, is now a best value solution for manual or towing applications (Up to 8 mph) in many other industries.

Available in 4 Durometers:

70A (Black), 80A (Red), 95A (Blue) and 60D (Gray)

Tread Types: CR: Crown or FT: Flat Tread

Axles Sizes: 1/2", 3/4", 1" and 1-1/4"

6-81 CASTER SPECIFICATIONS

| Wheel Type (Wheel Code) | Diameter (in.) | Width (in.) | Capacity (lbs.) | OAH (in.) | Swivel Lead (in.) | Approx. Wt. (lbs.) | Swivel Part Number Add B, P, PL, R or T* |
|---|-------------------|----------------|--------------------|--------------|----------------------|-----------------------|---|
| FORGED STEEL (FS) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 2000 | 7-5/8 | 1-1/2 | 21-3/4 | 6-81-FS-P-0625-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 26-1/2 | 6-81-FS-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | | 6-81-FS-P-1030-S |
| DUCTILE IRON / ROUND TREAD (DU/RT) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 2000 | 7-5/8 | 1-1/2 | 20-1/4 | 6-81-DU/RT-P-0625-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 26-1/2 | 6-81-DU/RT-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 27-1/2 | 6-81-DU/RT-P-1030-S |
| CAST IRON (CA) WHEELS WITH ROLLER BEARINGS | | | | | | | |
| | 4 | 3 | 2000 | 5-1/2 | 2 | 17-3/4 | 6-81-CA-R-3212-S |
| | 5 | 2-1/2 | 2000 | 6-1/2 | 2-1/4 | 19-1/2 | 6-81-CA-R-0525-S |
| | 6 | 2-1/2 | 2000 | 7-5/8 | 1-1/2 | 20-1/4 | 6-81-CA-R-0625-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 26-1/2 | 6-81-CA-R-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 27-1/2 | 6-81-CA-R-1030-S |
| CAST IRON / V-GROOVED (CA/VG) WHEELS WITH ROLLER BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 2000 | 7-5/8 | 1-1/2 | 20-1/4 | 6-81-CA/VG-R-0625-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 26-1/2 | 6-81-CA/VG-R-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 27-1/2 | 6-81-CA/VG-R-1030-S |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 2000 | 7-5/8 | 1-1/2 | 14-1/2 | 6-81-NY/MD-P-0625-S |
| | 6 | 3 | 2000 | 7-5/8 | 1-1/2 | 15-1/2 | 6-81-NY/MD-P-0630-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 16-3/4 | 6-81-NY/MD-P-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 17-3/4 | 6-81-NY/MD-P-0830-S |
| | 10 | 2-1/2 | 2000 | 11-1/2 | 2-1/2 | 20-1/2 | 6-81-NY/MD-P-1025-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 22-1/2 | 6-81-NY/MD-P-1030-S |
| | 12 | 2-1/2 | 2000 | 13-1/2 | 3 | 22-1/2 | 6-81-NY/MD-P-1225-S |
| | 12 | 3 | 2000 | 13-1/2 | 3 | 24-1/2 | 6-81-NY/MD-P-1230-S |
| PHENOLIC / TEXITE (TM) WHEELS WITH ROLLER BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 1600 | 7-5/8 | 1-1/2 | 14-1/2 | 6-81-TM-R-0625-S |
| | 6 | 3 | 2000 | 7-5/8 | 1-1/2 | 14-3/4 | 6-81-TM-R-0630-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 16-3/4 | 6-81-TM-R-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 17-3/4 | 6-81-TM-R-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 20-1/2 | 6-81-TM-R-1030-S |
| | 12 | 3 | 2000 | 13-1/2 | 3 | 22-1/2 | 6-81-TM-R-1230-S |
| VULKOLLAN™ / CAST IRON CORE (VU/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 1950 | 7-5/8 | 1-1/2 | 20-1/2 | 6-81-VU/CA-P-0625-S |
| | 6 | 3 | 2000 | 7-5/8 | 1-1/2 | 26 | 6-81-VU/CA-P-0630-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 22-1/2 | 6-81-VU/CA-P-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-VU/CA-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 31 | 6-81-VU/CA-P-1030-S |
| VULKOLLAN™ THICK TREAD / CAST IRON CORE (VU/TT/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 3 | 2000 | 7-5/8 | 1-1/2 | 26 | 6-81-VU/TT/CA-P-0630-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-VU/TT/CA-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 31 | 6-81-VU/TT/CA-P-1030-S |
| POLYURETHANE THICK TREAD / CAST IRON CORE (PY/TT/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 3 | 2000 | 7-5/8 | 1-1/2 | 26 | 6-81-PY/TT/CA-P-0630-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-PY/TT/CA-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 31 | 6-81-PY/TT/CA-P-1030-S |
| | 12 | 3 | 2000 | 13-1/2 | 3 | 40 | 6-81-PY/TT/CA-P-1230-S |

(Continued on Next Page)

6-81 CASTER SPECIFICATIONS (CONTINUED)

| Wheel Type (Wheel Code) | Diameter (in.) | Width (in.) | Capacity (lbs.) | OAH (in.) | Swivel Lead (in.) | Approx. Wt. (lbs.) | Swivel Part Number Add B, P, PL, R or T* |
|---|-------------------|----------------|--------------------|--------------|----------------------|-----------------------|---|
| POLYURETHANE / CAST IRON CORE (PY/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 3-1/4 | 3-1/4 | 850 | 5-1/8 | 2 | 12 | 6-81-PY/CA-P-3232-S |
| | 5 | 2-1/2 | 1290 | 6-1/2 | 2-1/4 | 15 | 6-81-PY/CA-P-0525-S |
| | 6 | 2-1/2 | 1620 | 7-5/8 | 1-1/2 | 20-1/2 | 6-81-PY/CA-P-0625-S |
| | 6 | 3 | 2000 | 7-5/8 | 1-1/2 | 26 | 6-81-PY/CA-P-0630-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 22-1/2 | 6-81-PY/CA-P-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-PY/CA-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 31 | 6-81-PY/CA-P-1030-S |
| | 12 | 2-1/2 | 2000 | 13-1/2 | 3 | 31-1/2 | 6-81-PY/CA-P-1225-S |
| | 12 | 3 | 2000 | 13-1/2 | 3 | 40 | 6-81-PY/CA-P-1230-S |
| POLYURETHANE / ALUMINUM CORE (PY/AL) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 4 | 3-1/4 | 1200 | 5-1/2 | 2 | 15 | 6-81-PY/AL-P-0432-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 3 | 20-1/4 | 6-81-PY/AL-P-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 3 | 20-1/4 | 6-81-PY/AL-P-0830-S |
| | 10 | 2-1/2 | 2000 | 11-1/2 | 3-1/2 | 24-1/2 | 6-81-PY/AL-P-1025-S |
| | 10 | 3 | 2000 | 11-1/2 | 3-1/2 | 24-1/2 | 6-81-PY/AL-P-1030-S |
| X-TREME PLUS SOLID POLYURETHANE (XP) WHEELS WITH PRECISION BEARINGS | | | | | | | |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 22-1/2 | 6-81-XP-P-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-XP-P-0830-S |
| | 10 | 2-1/2 | 2000 | 11-1/2 | 2-1/2 | 24-1/2 | 6-81-XP-P-1025-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 31 | 6-81-XP-P-1030-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| | 6 | 3 | 1900 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/9/FT-P-0630-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/9/FT-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 24-1/2 | 6-81-SWE/9/FT-P-1003-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 80A / FLAT TREAD (SWE/8/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| | 6 | 3 | 1600 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/8/FT-P-0630-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/8/FT-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 24-1/2 | 6-81-SWE/8/FT-P-1003-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 70A / FLAT TREAD (SWE/7/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| | 6 | 3 | 900 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/7/FT-P-0630-S |
| | 8 | 3 | 1400 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/7/FT-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 24-1/2 | 6-81-SWE/7/FT-P-1003-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 60D / FLAT TREAD (SWE/6/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| | 6 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/6/FT-P-0630-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 22-1/4 | 6-81-SWE/6/FT-P-0830-S |
| | 10 | 3 | 2000 | 11-1/2 | 2-1/2 | 24-1/2 | 6-81-SWE/6/FT-P-1003-S |
| MOLDON RUBBER / CAST IRON CORE (MR/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 700 | 7-5/8 | 3 | 20-1/2 | 6-81-MR/CA-P-0625-S |
| | 6 | 3 | 750 | 7-5/8 | 3 | 20-3/4 | 6-81-MR/CA-P-0630-S |
| | 8 | 2-1/2 | 850 | 10-1/8 | 3 | 20-1/4 | 6-81-MR/CA-P-0825-S |
| | 8 | 3 | 900 | 10-1/8 | 3 | 22-1/4 | 6-81-MR/CA-P-0830-S |
| | 10 | 2-1/2 | 950 | 11-1/2 | 3-1/2 | 24-1/2 | 6-81-MR/CA-P-1025-S |
| | 10 | 3 | 1000 | 11-1/2 | 3-1/2 | 25-1/4 | 6-81-MR/CA-P-1030-S |
| | 12 | 3 | 1200 | 13-1/2 | 3 | 30-3/4 | 6-81-MR/CA-P-1230-S |
| X-TRA SOFT RUBBER / DONUT TREAD (XSR/DT) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 10 | 2-1/2 | 950 | 11-1/2 | 3-1/2 | | 6-81-XSR/DT-P-1025-S |

*Add "B" for Ball Bearing, "P" for Precision Bearing, "PL" for Plain Bearing, "R" for Roller Bearing or "T" for Tapered Bearing

All load ratings are for manual operation at 2 mph.

For rigid casters, change "S" to "R" (i.e. 6-81-PB-P-0415-S becomes 6-81-PB-P-0415-R)

All Rig Options should be added to the end of the part number. (i.e. 6-81-PB-P-0415-SL for Swivel Lock)

**Also available in Flat Tread (70A, 80A, 95A and 60D) and Crown Tread (70A, 80A, 95A and 60D).

6-81HD CONSTRUCTION FEATURES

Load Capacity Up to 2500 lbs.

- Single piece forged alloy steel top plate
- Integrally forged kingpin
- Forged alloy steel fork base
- Precision raceways, CNC machined:
3-1/4 in. diameter with 7/16 in. diameter balls
- Secondary load bearing: 3/4 in. bore tapered roller bearing for superior swiveling and perfect swivel head alignment
- Integrally forged 3/4 in. diameter kingpin UNF threaded with slotted nut arrangement for fine adjustment of swivel movements
- 5/16 in. thick x 2-1/2 in. legs cylindrically formed & robotically welded inside and outside to 2-1/2 in. fork spacing
- 3/4 in. wheel axle
- Finish is bright zinc plated or polymer painted (black)
- Optional 4-position directional lock slots and hardened raceways



Total Lock (TL/LE)



Directional Lock (DL)

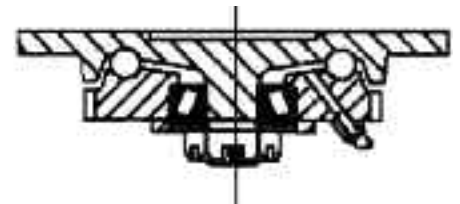
RIG OPTIONS

- DL** 4-Way Directional Lock
TL/LE Total Lock / Leading Edge
WFB Wheel Face Brake

TOP PLATE DIMENSIONS

- Top Plate Size:** 4-1/2" x 6-1/4"
Bolt Hole Centers: 2-7/16" x 4-15/16"
 Slotted to 3-5/8" x 5-1/4"
Attaching Bolt: 1/2"

SWIVEL CROSS SECTION



Nylacron™ Wheels

With Precision Ball Bearings for Any Application
 (NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.



The Swivel-EAZ™ (Dual-in-One) wheel easily turns a single wheel caster rig into a dual wheel premium urethane tread caster.

The Swivel-EAZ™ (Dual-in-One) wheels, designed originally for the automotive industry, is now a best value solution for manual or towing applications (Up to 8 mph) in many other industries.

Available in 4 Durometers:

- 70A (Black), 80A (Red), 95A (Blue) and 60D (Gray)**
Tread Types: CR: Crown or FT: Flat Tread
Axles Sizes: 1/2", 3/4", 1" and 1-1/4"

6-81HD CASTERS with PRECISION BALL BEARING WHEELS

| Swivel Part Number | Rigid Part Number | Swivel Part Number with Rig Option (TL/LE)* | Wheel Dia. (in) | Width (in) | OAH (in) | Swivel Radius (in) | Cap. (lb) |
|--|--------------------------|--|--------------------|---------------|-------------|-----------------------|--------------|
| FORGED STEEL (FS) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-FS-P-0630-S | 6-81HD-FS-P-0630-R | 6-81HD-FS-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 5-1/2 | 2500 |
| 6-81HD-FS-P-0830-S | 6-81HD-FS-P-0830-R | 6-81HD-FS-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 6-1/2 | 2500 |
| 6-81HD-FS-P-1030-S | 6-81HD-FS-P-1030-R | 6-81HD-FS-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 7-3/4 | 2500 |
| 6-81HD-FS-P-1230-S | 6-81HD-FS-P-1230-R | 6-81HD-FS-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 9-1/4 | 2500 |
| DUCTILE STEEL (DU) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-DU-P-0630-S | 6-81HD-DU-P-0630-R | 6-81HD-DU-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81HD-DU-P-0830-S | 6-81HD-DU-P-0830-R | 6-81HD-DU-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81HD-DU-P-1030-S | 6-81HD-DU-P-1030-R | 6-81HD-DU-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81HD-DU-P-1230-S | 6-81HD-DU-P-1230-R | 6-81HD-DU-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS (ALSO AVAILABLE IN NYLACRON™ MONOCAST NY/MC) | | | | | | | |
| 6-81HD-NY/MD-P-0630-S | 6-81HD-NY/MD-P-0630-R | 6-81HD-NY/MD-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81HD-NY/MD-P-0830-S | 6-81HD-NY/MD-P-0830-R | 6-81HD-NY/MD-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81HD-NY/MD-P-1030-S | 6-81HD-NY/MD-P-1030-R | 6-81HD-NY/MD-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81HD-NY/MD-P-1230-S | 6-81HD-NY/MD-P-1230-R | 6-81HD-NY/MD-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| SOLID ELASTOMER (SE) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-SE-P-0630-S | 6-81HD-SE-P-0630-R | 6-81HD-SE-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81HD-SE-P-0830-S | 6-81HD-SE-P-0830-R | 6-81HD-SE-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81HD-SE-P-1030-S | 6-81HD-SE-P-1030-R | 6-81HD-SE-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81HD-SE-P-1230-S | 6-81HD-SE-P-1230-R | 6-81HD-SE-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| HEAVY DUTY URETHANE / CAST IRON CORE (UR/HD/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-UR/HD/CA-P-0630-S | 6-81HD-UR/HD/CA-P-0630-R | 6-81HD-UR/HD/CA-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2300 |
| 6-81HD-UR/HD/CA-P-0830-S | 6-81HD-UR/HD/CA-P-0830-R | 6-81HD-UR/HD/CA-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81HD-UR/HD/CA-P-1030-S | 6-81HD-UR/HD/CA-P-1030-R | 6-81HD-UR/HD/CA-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81HD-UR/HD/CA-P-1230-S | 6-81HD-UR/HD/CA-P-1230-R | 6-81HD-UR/HD/CA-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| URETHANE / CAST IRON CORE / DONUT TREAD (UR/CA/DT) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-UR/CA/DT-P-0630-S | 6-81HD-UR/CA/DT-P-0630-R | 6-81HD-UR/CA/DT-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 1875 |
| 6-81HD-UR/CA/DT-P-0830-S | 6-81HD-UR/CA/DT-P-0830-R | 6-81HD-UR/CA/DT-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2400 |
| 6-81HD-UR/CA/DT-P-1030-S | 6-81HD-UR/CA/DT-P-1030-R | 6-81HD-UR/CA/DT-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81HD-UR/CA/DT-P-1230-S | 6-81HD-UR/CA/DT-P-1230-R | 6-81HD-UR/CA/DT-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| POLYURETHANE / CAST IRON CORE (PY/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-PY/CA-P-0630-S | 6-81HD-PY/CA-P-0630-R | 6-81HD-PY/CA-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2100 |
| 6-81HD-PY/CA-P-0830-S | 6-81HD-PY/CA-P-0830-R | 6-81HD-PY/CA-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81HD-PY/CA-P-1030-S | 6-81HD-PY/CA-P-1030-R | 6-81HD-PY/CA-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81HD-PY/CA-P-1230-S | 6-81HD-PY/CA-P-1230-R | 6-81HD-PY/CA-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| 6-81HD-SWE/9/FT-P-0630-S | 6-81HD-SWE/9/FT-P-0630-R | 6-81HD-SWE/9/FT-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 1900 |
| 6-81HD-SWE/9/FT-P-0830-S | 6-81HD-SWE/9/FT-P-0830-R | 6-81HD-SWE/9/FT-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2000 |
| 6-81HD-SWE/9/FT-P-1030-S | 6-81HD-SWE/9/FT-P-1030-R | 6-81HD-SWE/9/FT-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2000 |
| ELASTIC RUBBER / CAST IRON CORE (ER/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81HD-ER/CA-P-0630-S | 6-81HD-ER/CA-P-0630-R | 6-81HD-ER/CA-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 950 |
| 6-81HD-ER/CA-P-0830-S | 6-81HD-ER/CA-P-0830-R | 6-81HD-ER/CA-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 1200 |
| 6-81HD-ER/CA-P-1030-S | 6-81HD-ER/CA-P-1030-R | 6-81HD-ER/CA-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 1650 |
| 6-81HD-ER/CA-P-1230-S | 6-81HD-ER/CA-P-1230-R | 6-81HD-ER/CA-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 1850 |

Nylacron™ (NY/MD and NY/MC) wheels available in every size caster rig. Additional wheels available, consult Acorn™

*Add Rig Options to the end of each part number (i.e 6-81HD-FS-P-0630-S-WFB for Wheel Face Brake)

**Also available in Flat Tread (70A, 80A, 95A and 60D) and Crown Tread (70A, 80A, 95A and 60D).

6-81K FEATURES

Load Capacity Up to 4100 lbs.

- Top Plate: 5/16" AISI 1045 heat treated steel welded inside and out for longer life
- Swivel Section: 3" Diameter with 1/2" hard chrome balls in precision machined through hardened raceway with threaded ball plug
- Yoke Base: Notched AISI 1045 steel machined and through hardened to minimize ball indentation and wear
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle.
- Legs: 5/16" X 2-1/2" with inside and outside welds to swivel section for superior strength
- Axle: 3/4" diameter zerk axle with lock nut
- Finish: Zinc plating for greater corrosion resistance
- **Alternate or custom caster configurations available**



RIG OPTIONS

- NS** Sealed Swivel
- SLW** Swivel Lock - Welded
- DSL** Swivel Lock - Detachable
- SLFI** Swivel Lock - Field Installable
- SS** For severe corrosive conditions, these casters can be **Stainless Steel** and equipped with **Stainless Steel** components.

BRAKE OPTIONS

- PCB** Poly Cam Brake
- CBB** Cam Brake
- FBB** Face Brake
- FCB** Face Contact Brake
- SSB** Single Side Brake
- DSB** Double Side Brake

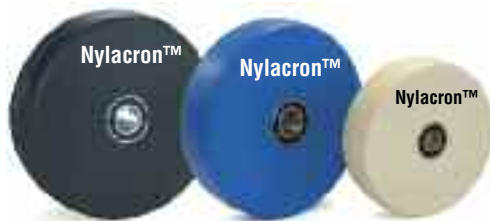
SWIVEL CROSS SECTION



MOUNTING PLATE (SWIVEL / RIGID)

| Top Plate | Plate Size | Bolt Hole Spacing | Bolt Size |
|------------|-----------------|--|-----------|
| (Standard) | 4 1/2" x 6 1/4" | 3 3/8" x 5 1/4" slotted to 2 7/16" x 4 15/16" | 1/2" |
| D | 5" x 5 1/2" | 4 1/8" x 4 1/2" | 3/8" |
| P | 7 1/4" x 5 1/4" | 4 1/8" x 6 1/8" slotted to 3 3/8" x 5 1/4" | 1/2" |
| S | 7" x 6" | 4 5/8" x 5 5/8" slotted to 4 3/8" x 5 1/2" | 1/2" |

Any Size Top Plate, OAH and BHC,s can be made with this kingpinless style caster to meet any job requirement



Nylacron™ Wheels

With Precision Ball Bearings for Any Application: (NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.



The Swivel-EAZ™ (Dual-in-One) wheel easily turns a single wheel caster rig into a dual wheel premium urethane tread caster.

The Swivel-EAZ™ (Dual-in-One) wheels, designed originally for the automotive industry, is now a best value solution for manual or towing applications (Up to 8 mph) in many other industries.

Available in 4 Durometers:

70A (Black), 80A (Red), 95A (Blue) and 60D (Gray)

Tread Types: CR: Crown or FT: Flat Tread

Axles Sizes: 1/2", 3/4", 1" and 1-1/4"

6-81K CASTER SPECIFICATIONS

| Wheel Type (Wheel Code) | Diameter (in.) | Width (in.) | Capacity (lbs.) | OAH (in.) | Swivel Lead (in.) | Swivel Part Number Add B, P, PL, R or T* |
|---|----------------|-------------|-----------------|-----------|-------------------|--|
| FORGED STEEL (FS) WHEELS WITH ROLLER BEARINGS | | | | | | |
| | 6 | 2-1/2 | 4000 | 7-1/2 | 1-1/2 | 6-81K-FS-R-0625-S |
| | 8 | 2-1/2 | 4000 | 10-1/8 | 2-1/4 | 6-81K-FS-R-0825-S |
| | 8 | 3 | 5000 | 10-1/8 | 2-1/4 | 6-81K-FS-R-0830-S |
| | 10 | 3 | 5000 | 11-1/2 | 2-1/2 | 6-81K-FS-R-1030-S |
| FORGED STEEL / V-GROOVED (FS/VG) WHEELS WITH ROLLER BEARINGS | | | | | | |
| | 8 | 3 | 5500 | 10-1/8 | 2-1/4 | 6-81K-FS/VG-R-0830-S |
| | 10 | 3 | 5000 | 11-1/2 | 2-1/2 | 6-81K-FS/VG-R-1030-S |
| DUCTILE IRON / CROWN TREAD (DU/CR) WHEELS WITH ROLLER BEARINGS | | | | | | |
| | 6 | 2-1/2 | 3500 | 7-1/2 | 1-1/2 | 6-81K-DU/CR-R-0625-S |
| | 6 | 3 | 5500 | 10-1/8 | 2-1/4 | 6-81K-DU/CR-R-0630-S |
| | 8 | 3 | 5500 | 10-1/8 | 2-1/4 | 6-81K-DU/CR-R-0830-S |
| | 10 | 3 | 5500 | 11-1/2 | 2-1/2 | 6-81K-DU/CR-R-1030-S |
| CAST IRON (CA) WHEELS WITH ROLLER BEARINGS | | | | | | |
| | 6 | 2-1/2 | 2000 | 7-1/2 | 1-1/2 | 6-81K-CA-R-0625-S |
| | 6 | 3 | 2800 | 7-1/2 | 1-1/2 | 6-81K-CA-R-0630-S |
| | 8 | 2-1/2 | 2300 | 10-1/8 | 2-1/4 | 6-81K-CA-R-0825-S |
| | 8 | 3 | 2800 | 10-1/8 | 2-1/4 | 6-81K-CA-R-0830-S |
| | 10 | 2-1/2 | 2300 | 11-1/2 | 2-1/2 | 6-81K-CA-R-1025-S |
| | 10 | 3 | 2800 | 11-1/2 | 2-1/2 | 6-81K-CA-R-1030-S |
| | 12 | 3 | 2800 | 13-1/2 | 3 | 6-81K-CA-R-1230-S |
| CAST IRON / V-GROOVED (CA/VG) WHEELS WITH ROLLER BEARINGS | | | | | | |
| | 6 | 2-1/2 | 2500 | 7-1/2 | 1-1/2 | 6-81K-CA/VG-R-0625-S |
| | 8 | 2-1/2 | 2500 | 10-1/8 | 2-1/4 | 6-81K-CA/VG-R-0825-S |
| | 8 | 3 | 2500 | 10-1/8 | 2-1/4 | 6-81K-CA/VG-R-0830-S |
| | 10 | 3 | 3500 | 11-1/2 | 2-1/2 | 6-81K-CA/VG-R-1030-S |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 6 | 2-1/2 | 4100 | 7-1/2 | 1-1/2 | 6-81K-NY/MD-P-0625-S |
| | 6 | 3 | 4100 | 7-1/2 | 1-1/2 | 6-81K-NY/MD-P-0630-S |
| | 8 | 2-1/2 | 4100 | 10-1/8 | 2-1/4 | 6-81K-NY/MD-P-0825-S |
| | 8 | 3 | 4100 | 10-1/8 | 2-1/4 | 6-81K-NY/MD-P-0830-S |
| | 10 | 2-1/2 | 4100 | 11-1/2 | 2-1/2 | 6-81K-NY/MD-P-1025-S |
| | 10 | 3 | 4100 | 11-1/2 | 2-1/2 | 6-81K-NY/MD-P-1030-S |
| PHENOLIC / TEXITE (TM) WHEELS WITH ROLLER BEARINGS | | | | | | |
| | 6 | 2-1/2 | 1600 | 7-1/2 | 1-1/2 | 6-81K-TM-R-0625-S |
| | 6 | 3 | 2000 | 7-1/2 | 1-1/2 | 6-81K-TM-R-0630-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 6-81K-TM-R-0825-S |
| | 8 | 3 | 2500 | 10-1/8 | 2-1/4 | 6-81K-TM-R-0830-S |
| | 10 | 2-1/2 | 2500 | 11-1/2 | 2-1/2 | 6-81K-TM-R-1025-S |
| | 10 | 3 | 2900 | 11-1/2 | 2-1/2 | 6-81K-TM-R-1030-S |
| | 12 | 2-1/2 | 3000 | 13-1/2 | 3 | 6-81K-TM-R-1225-S |
| | 12 | 3 | 3500 | 13-1/2 | 3 | 6-81K-TM-R-1230-S |
| VULKOLLAN™ / CAST IRON CORE (VU/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 6 | 2-1/2 | 2350 | 7-1/2 | 1-1/2 | 6-81K-VU//CA-P-0625-S |
| | 6 | 3 | 3000 | 7-1/2 | 1-1/2 | 6-81K-VU//CA-P-0630-S |
| | 8 | 2-1/2 | 2900 | 10-1/8 | 2-1/4 | 6-81K-VU//CA-P-0825-S |
| | 8 | 3 | 4000 | 10-1/8 | 2-1/4 | 6-81K-VU//CA-P-0830-S |
| | 10 | 2-1/2 | 3450 | 11-1/2 | 2-1/2 | 6-81K-VU//CA-P-1025-S |
| | 10 | 3 | 5000 | 11-1/2 | 2-1/2 | 6-81K-VU//CA-P-1030-S |
| VULKOLLAN™ THICK TREAD / CAST IRON CORE (VU/TT/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 6 | 2-1/2 | 2350 | 7-1/2 | 1-1/2 | 6-81K-VU/TT/CA-P-0625-S |
| | 6 | 3 | 3000 | 7-1/2 | 1-1/2 | 6-81K-VU/TT/CA-P-0630-S |
| | 8 | 2-1/2 | 2900 | 10-1/8 | 2-1/4 | 6-81K-VU/TT/CA-P-0825-S |
| | 8 | 3 | 4000 | 10-1/8 | 2-1/4 | 6-81K-VU/TT/CA-P-0830-S |
| | 10 | 2-1/2 | 3450 | 11-1/2 | 2-1/2 | 6-81K-VU/TT/CA-P-1025-S |
| | 10 | 3 | 5000 | 11-1/2 | 2-1/2 | 6-81K-VU/TT/CA-P-1030-S |

(Continued on Next Page)

6-81K CASTER SPECIFICATIONS

| Wheel Type (Wheel Code) | Diameter (in.) | Width (in.) | Capacity (lbs.) | OAH (in.) | Swivel Lead (in.) | Swivel Part Number Add B, P, PL, R or T* |
|---|----------------|-------------|-----------------|-----------|-------------------|--|
| POLYURETHANE / CAST IRON CORE (PY/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 6 | 2-1/2 | 1620 | 7-1/2 | 1-1/2 | 6-81K-PY/CA-P-0625-S |
| | 6 | 3 | 2040 | 7-1/2 | 1-1/2 | 6-81K-PY/CA-P-0630-S |
| | 8 | 2-1/2 | 2010 | 10-1/8 | 2-1/4 | 6-81K-PY/CA-P-0825-S |
| | 8 | 3 | 2520 | 10-1/8 | 2-1/4 | 6-81K-PY/CA-P-0830-S |
| | 10 | 2-1/2 | 2370 | 11-1/2 | 2-1/2 | 6-81K-PY/CA-P-1025-S |
| | 10 | 3 | 3000 | 11-1/2 | 2-1/2 | 6-81K-PY/CA-P-1030-S |
| | 12 | 2-1/2 | 2700 | 13-1/2 | 3 | 6-81K-PY/CA-P-1225-S |
| | 12 | 3 | 3420 | 13-1/2 | 3 | 6-81K-PY/CA-P-1230-S |
| POLYURETHANE THICK TREAD / CAST IRON CORE (PY/TT/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 6 | 3 | 2040 | 7-1/2 | 1-1/2 | 6-81K-PY/TT/CA-P-0630-S |
| | 8 | 3 | 2520 | 10-1/8 | 2-1/4 | 6-81K-PY/TT/CA-P-0830-S |
| | 10 | 2-1/2 | 2370 | 11-1/2 | 2-1/2 | 6-81K-PY/TT/CA-P-1025-S |
| | 10 | 3 | 3000 | 11-1/2 | 2-1/2 | 6-81K-PY/TT/CA-P-1030-S |
| | 12 | 2-1/2 | 2700 | 13-1/2 | 3 | 6-81K-PY/TT/CA-P-1225-S |
| | 12 | 3 | 3420 | 13-1/2 | 3 | 6-81K-PY/TT/CA-P-1230-S |
| POLYURETHANE / ALUMINUM CORE (PY/AL) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 8 | 2-1/2 | 2010 | 10-1/8 | 2-1/4 | 6-81K-PY/AL-P-0825-S |
| | 8 | 3 | 2520 | 10-1/8 | 2-1/4 | 6-81K-PY/AL-P-0830-S |
| | 10 | 2-1/2 | 2370 | 11-1/2 | 2-1/2 | 6-81K-PY/AL-P-1025-S |
| | 10 | 3 | 3000 | 11-1/2 | 2-1/2 | 6-81K-PY/AL-P-1030-S |
| X-TREME PLUS SOLID POLYURETHANE (XP/ PY) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-1/4 | 6-81K-XP/PY-P-0825-S |
| | 8 | 3 | 2000 | 10-1/8 | 2-1/4 | 6-81K-XP/PY-P-0830-S |
| | 10 | 2-1/2 | 2500 | 11-1/2 | 2-1/2 | 6-81K-XP/PY-P-1025-S |
| | 10 | 3 | 2500 | 11-1/2 | 2-1/2 | 6-81K-XP/PY-P-1030-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | |
| | 6 | 3 | 1900 | 7-1/2 | 2-1/4 | 6-81K-SWE/9/FT-P-0630-S |
| | 8 | 3 | 3000 | 10-1/8 | 2-1/4 | 6-81K-SWE/9/FT-P-0830-S |
| | 10 | 3 | 3500 | 11-1/2 | 2-1/2 | 6-81K-SWE/9/FT-P-1030-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 80A / FLAT TREAD (SWE/8/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | |
| | 6 | 3 | 1400 | 7-1/2 | 2-1/4 | 6-81K-SWE/8/FT-P-0630-S |
| | 8 | 3 | 2300 | 10-1/8 | 2-1/4 | 6-81K-SWE/8/FT-P-0830-S |
| | 10 | 3 | 3500 | 11-1/2 | 2-1/2 | 6-81K-SWE/8/FT-P-1030-S |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 70A / FLAT TREAD (SWE/7/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | |
| | 6 | 3 | 900 | 7-1/2 | 2-1/4 | 6-81K-SWE/7/FT-P-0630-S |
| | 8 | 3 | 1400 | 10-1/8 | 2-1/4 | 6-81K-SWE/7/FT-P-0830-S |
| | 10 | 3 | 2200 | 11-1/2 | 2-1/2 | 6-81K-SWE/7/FT-P-1030-S |
| HEAVY DUTY MOLDON RUBBER / CA CORE (MH/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 8 | 2-1/2 | 1300 | 10-1/8 | 2-1/4 | 6-81K-MH/CA-P-0825-S |
| | 10 | 2-1/2 | 1500 | 11-1/2 | 2-1/2 | 6-81K-MH/CA-P-1025-S |
| | 10 | 3 | 1800 | 11-1/2 | 2-1/2 | 6-81K-MH/CA-P-1030-S |
| | 12 | 2-1/2 | 1700 | 13-1/2 | 3 | 6-81K-MH/CA-P-1225-S |
| MOLDON RUBBER / CAST IRON CORE (MR/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 6 | 2-1/2 | 700 | 7-1/2 | 1-1/2 | 6-81K-MR/CA-P-0625-S |
| | 6 | 3 | 750 | 7-1/2 | 1-1/2 | 6-81K-MR/CA-P-0630-S |
| | 8 | 2-1/2 | 850 | 10-1/8 | 2-1/4 | 6-81K-MR/CA-P-0825-S |
| | 8 | 3 | 900 | 10-1/8 | 2-1/4 | 6-81K-MR/CA-P-0830-S |
| | 10 | 2-1/2 | 950 | 11-1/2 | 2-1/2 | 6-81K-MR/CA-P-1025-S |
| | 10 | 3 | 1000 | 11-1/2 | 2-1/2 | 6-81K-MR/CA-P-1030-S |
| | 12 | 2-1/2 | 950 | 13-1/2 | 3 | 6-81K-MR/CA-P-1225-S |
| | 12 | 3 | 1200 | 13-1/2 | 3 | 6-81K-MR/CA-P-1230-S |
| X-TRA SOFT RUBBER / DONUT TREAD (XSR/DT) WHEELS WITH PRECISION BALL BEARINGS | | | | | | |
| | 10 | 2-1/2 | 850 | 11-1/2 | 2-1/2 | 6-81K-XSR/DT-P-1025-S |

*Add "B" for Ball Bearing, "P" for Precision Bearing, "PL" for Plain Bearing, "R" for Roller Bearing or "T" for Tapered Bearing

All load ratings are for manual operation at 2 mph. For rigid casters, change "S" to "R" (i.e. 6-81K-PB-R-0415-S becomes 6-81K-PB-R-0415-R)

**Also available in Flat Tread (70A, 80A, 95A and 60D) and Crown Tread (70A, 80A, 95A and 60D).

6-81KHD CONSTRUCTION FEATURES

Load Capacity Up to 3500 lbs.

- Single piece forged alloy steel top plate and fork base
- Precision raceways, CNC machined
- Induction hardened raceway ensure longevity of the swivel
- Totally sealed swivel head with grease nipple
- 1/4 in. thick cylindrically formed legs robotically welded inside and outside to 65mm fork spacing
- 1/2 in. wheel axle
- 3-1/2 in. hub length
- Finish is zinc plated, ROHS compliant or black polymer color-coated

RIG OPTIONS

- DL** 4-Way Directional Lock
TL/LE Total Lock / Leading Edge
WFB Wheel Face Brake

Top Plate Options

(Standard)

Top Plate: 4-1/2" x 6-1/4"

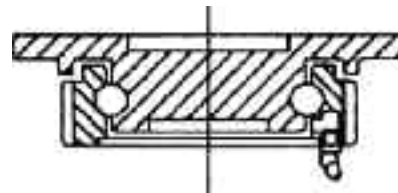
Bolt Hole Centers: 2-7/16" x 4-15/16"

slotted to 3-5/8" x 5-1/4"

Attaching Bolt: 1/2"



SWIVEL CROSS SECTION



Nylacron™ Wheels

With Precision Ball Bearings for Any Application

(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.



The Swivel-EAZ™ (Dual-in-One) wheel easily turns a single wheel caster rig into a dual wheel premium urethane tread caster.

The Swivel-EAZ™ (Dual-in-One) wheels, designed originally for the automotive industry, is now a best value solution for manual or towing applications (Up to 8 mph) in many other industries.

Available in 4 Durometers:

70A (Black), 80A (Red), 95A (Blue) and 60D (Gray)

Tread Types: CR: Crown or FT: Flat Tread

Axles Sizes: 1/2", 3/4", 1" and 1-1/4"

6-81KHD CASTERS with PRECISION BALL BEARING WHEELS

| Swivel Part Number | Rigid Part Number | Swivel Part Number with Rig Option (TL/LE)* | Wheel Dia. (in) | Width (in) | OAH (in) | Swivel Radius (in) | Cap. (lb) |
|--|---------------------------|---|-----------------|------------|----------|--------------------|-----------|
| FORGED STEEL (FS) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-FS-P-0630-S | 6-81KHD-FS-P-0630-R | 6-81KHD-FS-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 5-1/2 | 3500 |
| 6-81KHD-FS-P-0830-S | 6-81KHD-FS-P-0830-R | 6-81KHD-FS-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 6-1/2 | 3500 |
| 6-81KHD-FS-P-1030-S | 6-81KHD-FS-P-1030-R | 6-81KHD-FS-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 7-3/4 | 3500 |
| 6-81KHD-FS-P-1230-S | 6-81KHD-FS-P-1230-R | 6-81KHD-FS-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 9-1/4 | 3500 |
| DUCTILE STEEL (DU) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-DU-P-0630-S | 6-81KHD-DU-P-0630-R | 6-81KHD-DU-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81KHD-DU-P-0830-S | 6-81KHD-DU-P-0830-R | 6-81KHD-DU-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHD-DU-P-1030-S | 6-81KHD-DU-P-1030-R | 6-81KHD-DU-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHD-DU-P-1230-S | 6-81KHD-DU-P-1230-R | 6-81KHD-DU-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS (ALSO AVAILABLE IN NYLACRON™ MONOCAST NY/MC) | | | | | | | |
| 6-81KHD-NY/MD-P-0630-S | 6-81KHD-NY/MD-P-0630-R | 6-81KHD-NY/MD-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 3500 |
| 6-81KHD-NY/MD-P-0830-S | 6-81KHD-NY/MD-P-0830-R | 6-81KHD-NY/MD-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 3500 |
| 6-81KHD-NY/MD-P-1030-S | 6-81KHD-NY/MD-P-1030-R | 6-81KHD-NY/MD-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 3500 |
| 6-81KHD-NY/MD-P-1230-S | 6-81KHD-NY/MD-P-1230-R | 6-81KHD-NY/MD-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 3500 |
| SOLID ELASTOMER (SE) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-SE-P-0630-S | 6-81KHD-SE-P-0630-R | 6-81KHD-SE-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81KHD-SE-P-0830-S | 6-81KHD-SE-P-0830-R | 6-81KHD-SE-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHD-SE-P-1030-S | 6-81KHD-SE-P-1030-R | 6-81KHD-SE-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHD-SE-P-1230-S | 6-81KHD-SE-P-1230-R | 6-81KHD-SE-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| HEAVY DUTY URETHANE / CAST IRON CORE (UR/HD/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-UR/HD/CA-P-0630-S | 6-81KHD-UR/HD/CA-P-0630-R | 6-81KHD-UR/HD/CA-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2300 |
| 6-81KHD-UR/HD/CA-P-0830-S | 6-81KHD-UR/HD/CA-P-0830-R | 6-81KHD-UR/HD/CA-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHD-UR/HD/CA-P-1030-S | 6-81KHD-UR/HD/CA-P-1030-R | 6-81KHD-UR/HD/CA-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHD-UR/HD/CA-P-1230-S | 6-81KHD-UR/HD/CA-P-1230-R | 6-81KHD-UR/HD/CA-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| URETHANE / CAST IRON CORE / DONUT TREAD (UR/CA/DT) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-UR/CA/DT-P-0630-S | 6-81KHD-UR/CA/DT-P-0630-R | 6-81KHD-UR/CA/DT-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 1875 |
| 6-81KHD-UR/CA/DT-P-0830-S | 6-81KHD-UR/CA/DT-P-0830-R | 6-81KHD-UR/CA/DT-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2400 |
| 6-81KHD-UR/CA/DT-P-1030-S | 6-81KHD-UR/CA/DT-P-1030-R | 6-81KHD-UR/CA/DT-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHD-UR/CA/DT-P-1230-S | 6-81KHD-UR/CA/DT-P-1230-R | 6-81KHD-UR/CA/DT-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| POLYURETHANE / CAST IRON CORE (PY/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-PY/CA-P-0630-S | 6-81KHD-PY/CA-P-0630-R | 6-81KHD-PY/CA-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 2100 |
| 6-81KHD-PY/CA-P-0830-S | 6-81KHD-PY/CA-P-0830-R | 6-81KHD-PY/CA-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHD-PY/CA-P-1030-S | 6-81KHD-PY/CA-P-1030-R | 6-81KHD-PY/CA-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHD-PY/CA-P-1230-S | 6-81KHD-PY/CA-P-1230-R | 6-81KHD-PY/CA-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| 6-81KHD-SWE/9/FT-P-0630-S | 6-81KHD-SWE/9/FT-P-0630-R | 6-81KHD-SWE/9/FT-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 1900 |
| 6-81KHD-SWE/9/FT-P-0830-S | 6-81KHD-SWE/9/FT-P-0830-R | 6-81KHD-SWE/9/FT-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2000 |
| 6-81KHD-SWE/9/FT-P-1030-S | 6-81KHD-SWE/9/FT-P-1030-R | 6-81KHD-SWE/9/FT-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2000 |
| ELASTIC RUBBER / CAST IRON CORE (ER/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD-ER/CA-P-0630-S | 6-81KHD-ER/CA-P-0630-R | 6-81KHD-ER/CA-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 950 |
| 6-81KHD-ER/CA-P-0830-S | 6-81KHD-ER/CA-P-0830-R | 6-81KHD-ER/CA-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 1200 |
| 6-81KHD-ER/CA-P-1030-S | 6-81KHD-ER/CA-P-1030-R | 6-81KHD-ER/CA-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 1650 |
| 6-81KHD-ER/CA-P-1230-S | 6-81KHD-ER/CA-P-1230-R | 6-81KHD-ER/CA-P-1230-S-TL/LE | 12 | 3 | 13-1/2 | 6-9/16 | 1850 |

Nylacron™ (NY/MD and NY/MC) wheels available in every size caster rig. Additional wheels available, consult Acorn™

*Add Rig Options to the end of each part number (i.e 6-81KHD-FS-P-0630-S-WFB for Wheel Face Brake)

**Also available in Flat Tread (70A, 80A, 95A and 60D) and Crown Tread (70A, 80A, 95A and 60D).

6-81KHD/DW CONSTRUCTION FEATURES

Load Capacity Up to 3500 lbs.

- Single piece forged alloy steel top plate and fork base
- Precision raceways, CNC machined
- Induction hardened raceway ensure longevity of the swivel
- Totally sealed swivel head with grease nipple
- 1/4 in. thick cylindrically formed legs robotically welded inside and outside to 65mm x 2 fork spacing
- 1/2 in. wheel axle
- Finish is zinc plated, ROHS compliant or black polymer color-coated



FCB



DL

RIG OPTIONS

DL 4-Way Directional Lock

FCB Face Contact Brake

TOP PLATE OPTIONS

(Standard)

Top Plate: 4-1/2" x 6-1/4"

Bolt Hole Centers: 2-7/16" x 4-15/16"

slotted to 3-5/8" x 5-1/4"

Attaching Bolt: 1/2"

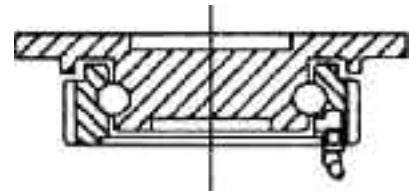
TP90 (Optional)

Top Plate: 5-1/4" x 7-1/4"

Bolt Hole Centers: 3-3/8" x 5-1/4" slotted to 4-1/8" x 6-1/8"

Attaching Bolt: 1/2"

SWIVEL CROSS SECTION



Nylacron™ Wheels

With Precision Ball Bearings for Any Application

(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.



The Swivel-EAZ™ (Dual-in-One) wheel easily turns a single wheel caster rig into a dual wheel premium urethane tread caster.

The Swivel-EAZ™ (Dual-in-One) wheels, designed originally for the automotive industry, is now a best value solution for manual or towing applications (Up to 8 mph) in many other industries.

Available in 4 Durometers:

70A (Black), 80A (Red), 95A (Blue) and 60D (Gray)

Tread Types: CR: Crown or FT: Flat Tread

Axles Sizes: 1/2", 3/4", 1" and 1-1/4"

6-81KHD/DW CASTERS with PRECISION BALL BEARING WHEELS

| Swivel Part Number | Rigid Part Number | Swivel Part Number with Rig Option (FCB)* | Whl. Dia. (in) | Width (in) | OAH (in) | Swl. Rad. (in) | Cap. (lb) |
|--|------------------------------|--|-------------------|---------------|-------------|-------------------|--------------|
| FORGED STEEL (FS) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-FS-P-0630-S | 6-81KHD/DW-FS-P-0630-R | 6-81KHD/DW-FS-P-0630-S-FCB | 6 | 3 | 7-1/2 | 5-1/2 | 3500 |
| 6-81KHD/DW-FS-P-0830-S | 6-81KHD/DW-FS-P-0830-R | 6-81KHD/DW-FS-P-0830-S-FCB | 8 | 3 | 10-1/8 | 6-1/2 | 3500 |
| 6-81KHD/DW-FS-P-1030-S | 6-81KHD/DW-FS-P-1030-R | 6-81KHD/DW-FS-P-1030-S-FCB | 10 | 3 | 11-1/2 | 7-3/4 | 3500 |
| 6-81KHD/DW-FS-P-1230-S | 6-81KHD/DW-FS-P-1230-R | 6-81KHD/DW-FS-P-1230-S-FCB | 12 | 3 | 13-1/2 | 9-1/4 | 3500 |
| DUCTILE STEEL (DU) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-DU-P-0630-S | 6-81KHD/DW-DU-P-0630-R | 6-81KHD/DW-DU-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 3500 |
| 6-81KHD/DW-DU-P-0830-S | 6-81KHD/DW-DU-P-0830-R | 6-81KHD/DW-DU-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 3500 |
| 6-81KHD/DW-DU-P-1030-S | 6-81KHD/DW-DU-P-1030-R | 6-81KHD/DW-DU-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 3500 |
| 6-81KHD/DW-DU-P-1230-S | 6-81KHD/DW-DU-P-1230-R | 6-81KHD/DW-DU-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 3500 |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS (ALSO AVAILABLE IN NYLACRON™ MONOCAST NY/MC) | | | | | | | |
| 6-81KHD/DW-NY/MD-P-0630-S | 6-81KHD/DW-NY/MD-P-0630-R | 6-81KHD/DW-NY/MD-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 3500 |
| 6-81KHD/DW-NY/MD-P-0830-S | 6-81KHD/DW-NY/MD-P-0830-R | 6-81KHD/DW-NY/MD-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 3500 |
| 6-81KHD/DW-NY/MD-P-1030-S | 6-81KHD/DW-NY/MD-P-1030-R | 6-81KHD/DW-NY/MD-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 3500 |
| 6-81KHD/DW-NY/MD-P-1230-S | 6-81KHD/DW-NY/MD-P-1230-R | 6-81KHD/DW-NY/MD-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 3500 |
| SOLID ELASTOMER (SE) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-SE-P-0630-S | 6-81KHD/DW-SE-P-0630-R | 6-81KHD/DW-SE-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81KHD/DW-SE-P-0830-S | 6-81KHD/DW-SE-P-0830-R | 6-81KHD/DW-SE-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 2600 |
| 6-81KHD/DW-SE-P-1030-S | 6-81KHD/DW-SE-P-1030-R | 6-81KHD/DW-SE-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 3000 |
| 6-81KHD/DW-SE-P-1230-S | 6-81KHD/DW-SE-P-1230-R | 6-81KHD/DW-SE-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 3400 |
| HEAVY DUTY URETHANE / CAST IRON CORE (UR/HD/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-UR/HD/CA-P-0630-S | 6-81KHD/DW-UR/HD/CA-P-0630-R | 6-81KHD/DW-UR/HD/CA-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 2300 |
| 6-81KHD/DW-UR/HD/CA-P-0830-S | 6-81KHD/DW-UR/HD/CA-P-0830-R | 6-81KHD/DW-UR/HD/CA-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 3100 |
| 6-81KHD/DW-UR/HD/CA-P-1030-S | 6-81KHD/DW-UR/HD/CA-P-1030-R | 6-81KHD/DW-UR/HD/CA-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 3500 |
| 6-81KHD/DW-UR/HD/CA-P-1230-S | 6-81KHD/DW-UR/HD/CA-P-1230-R | 6-81KHD/DW-UR/HD/CA-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 3500 |
| URETHANE / CAST IRON CORE / DONUT TREAD (UR/CA/DT) 95A WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-UR/CA/DT-P-0630-S | 6-81KHD/DW-UR/CA/DT-P-0630-R | 6-81KHD/DW-UR/CA/DT-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 1850 |
| 6-81KHD/DW-UR/CA/DT-P-0830-S | 6-81KHD/DW-UR/CA/DT-P-0830-R | 6-81KHD/DW-UR/CA/DT-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 2400 |
| 6-81KHD/DW-UR/CA/DT-P-1030-S | 6-81KHD/DW-UR/CA/DT-P-1030-R | 6-81KHD/DW-UR/CA/DT-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 2850 |
| 6-81KHD/DW-UR/CA/DT-P-1230-S | 6-81KHD/DW-UR/CA/DT-P-1230-R | 6-81KHD/DW-UR/CA/DT-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 3500 |
| POLYURETHANE / CAST IRON CORE (PY/CA) 85A WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-PY/CA-P-0630-S | 6-81KHD/DW-PY/CA-P-0630-R | 6-81KHD/DW-PY/CA-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 1750 |
| 6-81KHD/DW-PY/CA-P-0830-S | 6-81KHD/DW-PY/CA-P-0830-R | 6-81KHD/DW-PY/CA-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHD/DW-PY/CA-P-1030-S | 6-81KHD/DW-PY/CA-P-1030-R | 6-81KHD/DW-PY/CA-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 3000 |
| 6-81KHD/DW-PY/CA-P-1230-S | 6-81KHD/DW-PY/CA-P-1230-R | 6-81KHD/DW-PY/CA-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 3200 |
| **SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH 3/4" AXLE AND PRECISION BEARINGS | | | | | | | |
| 6-81KHD/DW-SWE/9/FT-P-0630-S | 6-81KHD/DW-SWE/9/FT-P-0630-R | 6-81KHD/DW-SWE/9/FT-P-0630-S-TL/LE | 6 | 3 | 7-1/2 | 3-5/8 | 1900 |
| 6-81KHD/DW-SWE/9/FT-P-0830-S | 6-81KHD/DW-SWE/9/FT-P-0830-R | 6-81KHD/DW-SWE/9/FT-P-0830-S-TL/LE | 8 | 3 | 10-1/8 | 4-5/8 | 2000 |
| 6-81KHD/DW-SWE/9/FT-P-1030-S | 6-81KHD/DW-SWE/9/FT-P-1030-R | 6-81KHD/DW-SWE/9/FT-P-1030-S-TL/LE | 10 | 3 | 11-1/2 | 5-1/4 | 2000 |
| ELASTIC RUBBER / CAST IRON CORE (ER/CA) 75A WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHD/DW-ER/CA-P-0630-S | 6-81KHD/DW-ER/CA-P-0630-R | 6-81KHD/DW-ER/CA-P-0630-S-FCB | 6 | 3 | 7-1/2 | 3-5/8 | 950 |
| 6-81KHD/DW-ER/CA-P-0830-S | 6-81KHD/DW-ER/CA-P-0830-R | 6-81KHD/DW-ER/CA-P-0830-S-FCB | 8 | 3 | 10-1/8 | 4-5/8 | 1200 |
| 6-81KHD/DW-ER/CA-P-1030-S | 6-81KHD/DW-ER/CA-P-1030-R | 6-81KHD/DW-ER/CA-P-1030-S-FCB | 10 | 3 | 11-1/2 | 5-1/4 | 1650 |
| 6-81KHD/DW-ER/CA-P-1230-S | 6-81KHD/DW-ER/CA-P-1230-R | 6-81KHD/DW-ER/CA-P-1230-S-FCB | 12 | 3 | 13-1/2 | 6-9/16 | 1850 |

Nylacron™ (NY/MD and NY/MC) wheels available in every size caster rig. Additional wheels available, consult Acorn™

*Add Rig Options to the end of each part number (i.e 6-81KHD/DW-FS-P-0630-S-WFB for Wheel Face Brake)

**Also available in Flat Tread (70A, 80A, 95A and 60D) and Crown Tread (70A, 80A, 95A and 60D).

6-81K/SA & 6-81KHD/SA RIG FEATURES

Load Capacity Up to 2000 lbs.

- Load Springs: Different load springs for permits wide variation in ride "softness."
- Complete Line: Available on all 6-81K SA and 6-81KHD SA series Kingpinless models. Consult Acorn™ for more information.
- Swivel Section: Kingpinless design. Ball bearing mounted in a machined raceway.
- Axle: 3/4" diameter standard. Optional 1" diameter available.

Consult Acorn™ for all Kingpinless Spring Loaded Applications.

KEY FEATURE

6-81K/SA and 6-81KHD/SA spring loaded casters offer greater capacity and protection from damaging shock or unwanted vibration and movement. Noise levels are reduced through the dampening effect of these casters.

TYPICAL APPLICATIONS

- Aviation Ground Support
- Aircraft tripod jacks
- Portable medical equipment
- Computer equipment
- Shock sensitive loads

WHEEL TYPES

| WHEEL TYPES | WHEEL CODE | BEARING |
|-------------------------------|------------|----------------|
| Nylacron™ MD | NY/MD | Precision Ball |
| Urethane 80A / Cast Iron Core | UR8/CA | Precision Ball |
| Urethane 95A / Cast Iron Core | UR9/CA | Precision Ball |
| Thick Tread Polyurethane | PY/TT | Precision Ball |
| Vulkollan™ / Cast Iron Core | VU/CA | Precision Ball |
| Vulkollan™ Thick Tread | VU/TT | Precision Ball |

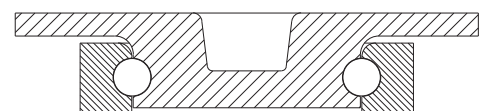
Additional wheels available, consult Acorn™.



6-81K/SA CROSS SECTION



6-81KHD/SA CROSS SECTION



6-81K/SA SPECIFICATIONS (YA = RIG ONLY)

| Dia. (in.) | Width (in.) | Cap. at 50% Whl. Defl. (lbs.) | Total Whl. Deflection | OAH (no load) | Swl Lead (in.) | Swl Radius (in.) | Swivel Part Number |
|------------|-------------|-------------------------------|-----------------------|---------------|----------------|------------------|--------------------|
| 6 | 2-1/2 | 2000 | 1.30" | 10.88" | 4.88 | 8 | 6-81K/SA-YA-06401S |
| 6 | 3 | 2000 | 1.30" | 10.88" | 4.88 | 8.06 | 6-81K/SA-YA-06501S |
| 8 | 2-1/2 | 2000 | 1.30" | 11.88" | 4.88 | 9 | 6-81K/SA-YA-08401S |
| 8 | 3 | 2000 | 1.30" | 11.88" | 4.88 | 9.06 | 6-81K/SA-YA-08501S |
| 10 | 2-1/2 | 2000 | 1.30" | 14" | 4.88 | 10 | 6-81K/SA-YA-10401S |
| 10 | 3 | 2000 | 1.30" | 14" | 4.88 | 10.06 | 6-81K/SA-YA-10501S |
| 12 | 2-1/2 | 2700 | 1.30" | 16" | 5.69 | 11.81 | 6-81K/SA-YA-12401S |
| 12 | 3 | 3000 | 1.30" | 16" | 5.69 | 11.88 | 6-81K/SA-YA-12501S |

For rigid casters, change "S" to "R" (i.e. 6-81K/SA-YA-06401S01 becomes 6-81K/SA-YA-06401R01)

Consult Acorn™ for all Kingpinless Spring Loaded Applications.

6-81KHD/SA SPECIFICATIONS (YA = RIG ONLY)

| Dia. (in.) | Width (in.) | Cap. at 50% Whl. Defl. (lbs.) | Total Whl. Deflection | OAH (no load) | Swl Lead (in.) | Swl Radius (in.) | Swivel Part Number |
|------------|-------------|-------------------------------|-----------------------|---------------|----------------|------------------|----------------------|
| 6 | 2-1/2 | 2000 | 1.30" | 10.88" | 4.88" | 8 | 6-81KHD/SA-YA-06401S |
| 6 | 3 | 2000 | 1.30" | 10.88" | 4.88" | 8.06 | 6-81KHD/SA-YA-06501S |
| 8 | 2-1/2 | 2000 | 1.30" | 11.88" | 4.88" | 9.00 | 6-81KHD/SA-YA-08401S |
| 8 | 3 | 2000 | 1.30" | 11.88" | 4.88" | 9.06 | 6-81KHD/SA-YA-08501S |
| 10 | 2-1/2 | 2000 | 1.30" | 14" | 4.88" | 10 | 6-81KHD/SA-YA-10401S |
| 10 | 3 | 2000 | 1.30" | 14" | 4.88" | 10.06 | 6-81KHD/SA-YA-10501S |
| 12 | 3 | 3000 | 1.30" | 16" | 5.69" | 11.88 | 6-81KHD/SA-YA-12501S |

For rigid casters, change "S" to "R" (i.e. 6-81KHD/SA-YA-06401S01 becomes 6-81KHD/SA-YA-06401R01)

Consult Acorn™ for all Kingpinless Spring Loaded Applications.

MOUNTING PLATE (6-81K/SA)

| Top Plate | Plate Size | Bolt Hole Spacing | Bolt Size |
|------------|-----------------|---|-----------|
| (Standard) | 4 1/2" x 6 1/4" | 3 3/8" x 5 1/4" slotted to 2 7/16" x 4 15/16" | 1/2" |
| D | 5" x 5 1/2" | 4 1/8" x 4 1/2" | 3/8" |
| P | 7 1/4" x 5 1/4" | 4 1/8" x 6 1/8" slotted to 3 3/8" x 5 1/4" | 1/2" |
| S | 7" x 6" | 4 5/8" x 5 5/8" slotted to 4 3/8" x 5 1/2" | 1/2" |

MOUNTING PLATE (6-81KHD/SA)

| Top Plate | Plate Size | Bolt Hole Spacing | Bolt Size |
|------------|-----------------|---|-----------|
| (Standard) | 4 1/2" x 6 1/4" | 3 3/8" x 5 1/4" slotted to 2 7/16" x 4 15/16" | 1/2" |

Any Size Top Plate, OAH and BHC,s can be made with this kingpinless style caster to meet any job requirement

6-81K/DW - DUAL WHEEL KINGPINLESS CASTER**Load Capacity Up to 3600 lbs.**

- Raceway Design: Patented Kinpinless single ball bearing precision machined raceway hardened to 53 Rockwell C minimum. Swivel section features a 3" diameter raceway with 1/2" ball bearings. The notched yoke is standard.
- Finish: Laguna Blue paint
- Axle: 1/2" bolt, locking nut and lubrication fittings
- Leg Thickness: 5/16" formed steel. Center leg support is added for increased strength.
- Wheels: All wheels are 2" wide with 3/4" I.D. roller bearings that are prelubricated and rotate on individual spanner bushings or annular ball bearings for ease of rollability.
- Mounting Plate Size: 4-1/2" x 6-1/2" x 5/16"
- Bolt Hole Spacing: 2-7/16" x 4-15/16", slotted to 3-3/8" x 5-1/4"
- Mounting Bolt Diameter: 1/2"

**SWIVEL CROSS SECTION****BRAKE OPTIONS**

CWB Cam Wheel Brake

SWIVEL RIG OPTIONS

HT High Temperature Lubrication
LT Low Temperature Lubrication
DSL Demountable Swivel Lock
SL Swivel Lock
SR Sealed Swivel Raceway
TG Thread Guard

MOUNTING PLATE (SWIVEL / RIGID)

| Top Plate | Plate Size | Bolt Hole Spacing | Bolt Size |
|------------|-----------------|--|-----------|
| (Standard) | 4-1/2" x 6-1/4" | 5-1/4" x 3-3/8" slotted to 4-15/16" x 2-7/16" | 3/8" |
| 42 | 4" x 4-1/2" | 2-5/8" x 3-5/8" slotted to 3" x 3" | 3/8" |
| 43 | 5" x 5-1/2" | 4-1/8" x 4-1/2" | 3/8" |

To order a rigid caster, change the "S" to "R" in the model number. Dimensions shown are nominal. If precise dimensions are required, consult Acorn™. For approximate weight of our rigid casters, deduct 3.9 pounds.

6-81K/DW DUAL WHEEL KINGPINLESS CASTER SPECIFICATIONS

| Wheel Type (Wheel Code) | Diameter (in.) | Width (in.) | Capacity (lbs.) | OAH (in.) | Swivel Lead (in.) | Approx. Wt. (lbs.) | Swivel Part Number Add B, P, PL, R or T* |
|---|----------------|-------------|-----------------|-----------|-------------------|--------------------|--|
| CAST IRON (CA) WHEELS WITH ROLLER BEARINGS | | | | | | | |
| | 5" | 2" | 2000 | 7-1/2" | 1-7/16" | 17 | 6-81K/DW-CA-R-0520-S |
| | 6" | 2" | 2400 | 8" | 1-7/16" | 18-1/2 | 6-81K/DW-CA-R-0620-S |
| | 8" | 2" | 2800 | 10-1/8" | 2-1/16" | 23 | 6-81K/DW-CA-R-0820-S |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 5" | 2" | 2200 | 7-1/2" | 1-7/16" | 11-1/2 | 6-81K/DW-NY/MD-P-0520-S |
| | 6" | 2" | 2500 | 8" | 1-7/16" | 12-1/2 | 6-81K/DW-NY/MD-P-0620-S |
| | 8" | 2" | 3000 | 10-1/8" | 2-1/16" | 15 | 6-81K/DW-NY/MD-P-0820-S |
| PHENOLIC / TEXITE (TM) WHEELS WITH ROLLER BEARINGS | | | | | | | |
| | 5" | 2" | 2000 | 7-1/2" | 1-7/16" | 11-1/2 | 6-81K/DW-TM-R-0520-S |
| | 6" | 2" | 2400 | 8" | 1-7/16" | 12-1/2 | 6-81K/DW-TM-R-0620-S |
| | 8" | 2" | 2800 | 10-1/8" | 2-1/16" | 15 | 6-81K/DW-TM-R-0820-S |
| SWIVEL-EAZ™ (DUAL-IN-ONE) 95A / FLAT TREAD (SWE/9/FT) WHEELS WITH PRECISION BEARINGS (ALSO AVAILABLE IN CROWN TREAD) | | | | | | | |
| | 5" | 2" | 1400 | 7-1/2" | 1-7/16" | 12-1/2 | 6-81K/DW-SWE/9/FT-P-0520-S |
| | 6" | 2" | 1900 | 8" | 1-7/16" | 13-1/2 | 6-81K/DW-SWE/9/FT-P-0620-S |
| | 8" | 2" | 3000 | 10-1/8" | 2-1/16" | 16 | 6-81K/DW-SWE/9/FT-P-0820-S |
| SWIVEL-EAZ™ (DUAL-IN-ONE) 80A / FLAT TREAD (SWE/8/FT) WHEELS WITH PRECISION BEARINGS (ALSO AVAILABLE CROWN TREAD) | | | | | | | |
| | 5" | 2" | 1050 | 7-1/2" | 1-7/16" | 12-1/2 | 6-81K/DW-SWE/8/FT-P-0520-S |
| | 6" | 2" | 1400 | 8" | 1-7/16" | 13-1/2 | 6-81K/DW-SWE/8/FT-P-0620-S |
| | 8" | 2" | 2300 | 10-1/8" | 2-1/16" | 16 | 6-81K/DW-SWE/8/FT-P-0820-S |
| SWIVEL-EAZ™ (DUAL-IN-ONE) 60D / FLAT TREAD (SWE/6/FT) WHEELS WITH PRECISION BEARINGS (ALSO AVAILABLE IN CROWN TREAD) | | | | | | | |
| | 5" | 2" | 1550 | 7-1/2" | 1-7/16" | 12-1/2 | 6-81K/DW-SWE/6/FT-P-0520-S |
| | 6" | 2" | 2200 | 8" | 1-7/16" | 13-1/2 | 6-81K/DW-SWE/6/FT-P-0620-S |
| | 8" | 2" | 3500 | 10-1/8" | 2-1/16" | 16 | 6-81K/DW-SWE/6/FT-P-0820-S |
| URETHANE / DONUT TREAD / CAST IRON CORE (UR/DT/CA) WHEELS WITH PRECISION ALL BEARINGS | | | | | | | |
| | 5" | 2" | 2000 | 7-1/2" | 1-7/16" | 15-1/2 | 6-81K/DW-UR/DT/CA-P-0520-S |
| | 6" | 2" | 2500 | 8" | 1-7/16" | 16-1/2 | 6-81K/DW-UR/DT/CA-P-0620-S |
| | 8" | 2" | 3400 | 10-1/8" | 2-1/16" | 17-1/2 | 6-81K/DW-UR/DT/CA-P-0820-S |
| URETHANE / CAST IRON CORE (UR/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 5" | 2" | 2100 | 7-1/2" | 1-7/16" | 16-1/2 | 6-81K/DW-UR/CA-P-0520-S |
| | 6" | 2" | 2460 | 8" | 1-7/16" | 17-1/2 | 6-81K/DW-UR/CA-P-0620-S |
| | 8" | 2" | 3000 | 10-1/8" | 2-1/16" | 18-1/2 | 6-81K/DW-UR/CA-P-0820-S |
| URETHANE / THICK TREAD / CAST IRON CORE (UR/TT/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| | 5" | 2" | 1500 | 7-1/2" | 1-7/16" | 16-1/2 | 6-81K/DW-UR/TT/CA-P-0520-S |
| | 6" | 2" | 2000 | 8" | 1-7/16" | 17-1/2 | 6-81K/DW-UR/TT/CA-P-0620-S |
| | 8" | 2" | 2900 | 10-1/8" | 2-1/16" | 18-1/2 | 6-81K/DW-UR/TT/CA-P-0820-S |
| OMEGA (UO) WHEELS WITH TAPERED ROLLER BEARINGS | | | | | | | |
| | 6" | 2" | 2000 | 8" | 1-7/16" | 16-1/2 | 6-81K/DW-UO-T-0620-S |
| | 8" | 2" | 2400 | 10-1/8" | 2-1/16" | 18 | 6-81K/DW-UO-T-0820-S |

*Add "B" for Ball Bearing, "P" for Precision Bearing, "PL" for Plain Bearing, "R" for Roller Bearing or "T" for Tapered Bearing

Dimensions shown are nominal. If precise dimensions are required, consult Acorn™. Additional wheels available.

6-81KSS CONSTRUCTION FEATURES

Load Capacity Up to 2500 lbs.

- Raceway: Double ball stainless steel. Frmed smooth for easy swivel action with 3/8" SS balls in the upper raceway and 5/16" in the lower.
- Swivel Section: 3" Diameter with 1/2" hard SS balls in precision machined raceway with threaded ball plug
- Yoke Base: Notched Stainless Steel
- King Pin & Nut: 3/4" diameter, Stainless Steel welded and heat treated for longer life
- Top Plate: 1/4" Stainless steel
- Legs: 3/4" diameter SS axle with or without zerk and SS lock nut section
- Axle & Lock Nut: Stainless steel. 3/4" without SS zerk.
- Lubrication: Zerk fitting in swivel section and in recessed head of hollow axle



SWIVEL RIG OPTIONS

| | |
|--------------|-------------------------------|
| SL/SS | Swivel Lock - Stainless Steel |
| NS | Sealed Swivel |

BRAKE OPTIONS

| | |
|---------------|--------------------------------------|
| CB/SS | Cam Brake - Stainless Steel |
| FCB/SS | Face Contact Brake - Stainless Steel |

SWIVEL CROSS SECTION



MOUNTING PLATE (SWIVEL / RIGID)

| Top Plate | Plate Size | Bolt Hole Spacing | Bolt Size |
|-------------------|-----------------|--|-----------|
| (Standard Swivel) | 4 1/2" x 6 1/4" | 2 7/16" x 4 15/16" slotted to 3 3/8" x 5 1/4" | 1/2" |
| (Standard Rigid) | 5" x 6 1/4" | 2 7/16" x 4 15/16" slotted to 3 3/8" x 5 1/4" | 1/2" |
| TPD | 5" x 5 1/2" | 4 1/8" x 4 1/4" | 3/8" |
| TPW | 4 1/2" x 7 1/4" | 3 1/4" x 6" | 1/2" |

Any Size Top Plate, OAH and BHC,s can be made with this kingpinless style caster to meet any job requirement

STAINLESS STEEL FLOOR LOCKS AVAILABLE



Nylacron™ Wheels

With Precision Ball Bearings for Any Application
(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.

6-81KSS CASTER SPECIFICATIONS

| Wheel Type (Wheel Code) | Diameter (in.) | Width (in.) | Capacity (lbs.) | OAH (in.) | Swivel Lead (in.) | Approx. Wt. (lbs.) | Swivel Part Number Add B, P, PL, R or T* |
|--|----------------|-------------|-----------------|-----------|-------------------|--------------------|--|
| NYLACRON™ (NY) WHEELS WITH STAINLESS STEEL PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 2500 | 7-1/2 | 1-3/8 | 12 | 6-81KSS-NY-P-0625-S |
| | 6 | 3 | 2500 | 7-1/2 | 1-3/8 | 13 | 6-81KSS-NY-P-0630-S |
| | 8 | 2-1/2 | 2500 | 10-1/8 | 2-3/32 | 15 | 6-81KSS-NY-P-0825-S |
| | 8 | 3 | 2500 | 10-1/8 | 2-3/32 | 16 | 6-81KSS-NY-P-0830-S |
| | 10 | 2-1/2 | 2500 | 11-1/2 | 2-1/4 | 18 | 6-81KSS-NY-P-1025-S |
| | 10 | 3 | 2500 | 11-1/2 | 2-1/4 | 20 | 6-81KSS-NY-P-1030-S |
| | 12 | 2-1/2 | 2500 | 13-1/2 | 2-11/16 | 22 | 6-81KSS-NY-P-1225-S |
| | 12 | 3 | 2500 | 13-1/2 | 2-11/16 | 24 | 6-81KSS-NY-P-1230-S |
| SOLID ELASTOMER (SE) WHEELS WITH STAINLESS STEEL PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 1500 | 7-1/2 | 1-3/8 | 12 | 6-81KSS-SE-P-0625-S |
| | 8 | 2-1/2 | 1650 | 10-1/8 | 2-3/32 | 15 | 6-81KSS-SE-P-0825-S |
| | 10 | 2-1/2 | 1800 | 11-1/2 | 1-3/8 | 12 | 6-81KSS-SE-P-1025-S |
| | 12 | 2-1/2 | 2000 | 13-1/2 | 1-3/8 | 12 | 6-81KSS-SE-P-1225-S |
| HIGH TEMP PHENOLIC (TR) WHEELS WITH STAINLESS STEEL PRECISION BALL BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 1300 | 7-1/2 | 1-3/8 | 12 | 6-81KSS-TR-P-0625-S |
| | 6 | 3 | 1700 | 7-1/2 | 1-3/8 | 13 | 6-81KSS-TR-P-0630-S |
| | 8 | 2-1/2 | 1600 | 10-1/8 | 2-3/32 | 15 | 6-81KSS-TR-P-0825-S |
| | 8 | 3 | 1900 | 10-1/8 | 2-3/32 | 16 | 6-81KSS-TR-P-0830-S |
| | 10 | 2-1/2 | 2000 | 11-1/2 | 2-1/4 | 18 | 6-81KSS-TR-P-1025-S |
| | 10 | 3 | 2400 | 11-1/2 | 2-1/4 | 20 | 6-81KSS-TR-P-1030-S |
| | 12 | 2-1/2 | 2400 | 13-1/2 | 2-11/16 | 22 | 6-81KSS-TR-P-1225-S |
| | 12 | 3 | 2500 | 13-1/2 | 2-11/16 | 24 | 6-81KSS-TR-P-1230-S |
| PHENOLIC (TM) WHEELS WITH STAINLESS STEEL ROLLER BEARINGS | | | | | | | |
| | 6 | 2-1/2 | 1600 | 7-1/2 | 1-3/8 | 12 | 6-81KSS-TM-R-0625-S |
| | 6 | 3 | 2000 | 7-1/2 | 1-3/8 | 13 | 6-81KSS-TM-R-0630-S |
| | 8 | 2-1/2 | 2000 | 10-1/8 | 2-3/32 | 15 | 6-81KSS-TM-R-0825-S |
| | 8 | 3 | 2500 | 10-1/8 | 2-3/32 | 16 | 6-81KSS-TM-R-0830-S |
| | 10 | 2-1/2 | 2500 | 11-1/2 | 2-1/4 | 18 | 6-81KSS-TM-R-1025-S |
| | 10 | 3 | 2500 | 11-1/2 | 2-1/4 | 20 | 6-81KSS-TM-R-1030-S |
| | 12 | 2-1/2 | 2500 | 13-1/2 | 2-11/16 | 22 | 6-81KSS-TM-R-1225-S |
| | 12 | 3 | 2500 | 13-1/2 | 2-11/16 | 24 | 6-81KSS-TM-R-1230-S |
| LAMINATED TEXTITE (TL) WHEELS WITH STAINLESS STEEL ROLLER BEARINGS | | | | | | | |
| | 6 | 3 | 1350 | 7-1/2 | 1-3/8 | 12 | 6-81KSS-TL-R-0630-S |
| | 8 | 3 | 1500 | 10-1/8 | 2-3/32 | 15 | 6-81KSS-TL-R-0830-S |
| | 10 | 3 | 1650 | 11-1/2 | 1-3/8 | 12 | 6-81KSS-TL-R-1030-S |
| | 12 | 3 | 1800 | 13-1/2 | 1-3/8 | 12 | 6-81KSS-TL-R-1230-S |

*Add "B" for Ball Bearing, "P" for Precision Bearing, "PL" for Plain Bearing, "R" for Roller Bearing or "T" for Tapered Bearing

All load ratings are for manual operation at 2 mph.

For rigid casters, change "S" to "R" (i.e. 6-81K-PB-R-0415-S becomes 6-81K-PB-R-0415-R)

All Rig Options should be added to the end of the part number. (i.e. 6-81K-PB-R-0415-SL for Swivel Lock)



Nylacron™ Wheels

With Precision Ball Bearings for Any Application

(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.

6-81KHDSS CONSTRUCTION FEATURES

Load Capacity Up to 3000 lbs.

- Fabricated AISI 304 stainless steel top plate and fork base
- Precision CNC machined raceways
- Totally sealed swivel head
- 1/4 in. thick legs robotically welded inside and outside to 2-1/2 in. x 2 in. fork spacing
- 1/2 in. wheel axle
- All materials stainless steel
- Finish is polished bright or bead blasted



RIG OPTIONS

DL/SS 4-Way Directional Lock

FCB/SS Face Contact Brake



FCB/SS



DL/SS

TOP PLATE OPTIONS

(Standard)

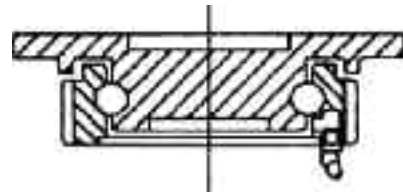
Top Plate: 4-1/2" x 6-1/4"

Bolt Hole Centers: 2-7/16" x 4-15/16"

slotted to 3-5/8" x 5-1/4"

Attaching Bolt: 1/2"

SWIVEL CROSS SECTION



Nylacron™ Wheels

With Precision Ball Bearings for Any Application

(NY/MD, NY/HSB, NY/MC, NY/GF)

Nylacron™ wheels with proper sized precision bearings are made to fit in any rig hub length and axle size. Nylacron™ wheels have greater load capacity ratings with better rollability while requiring less maintenance and have longer life.

6-81KHDSS STAINLESS STEEL CASTERS with SS PRECISION BALL BEARING WHEELS

| Swivel Part Number | Rigid Part Number | Swivel Part Number with Rig Option (FCB/SS)* | Dia. (in) | Width (in) | OAH (in) | Swl. Rad. (in) | Cap. (lb) |
|--|-----------------------------|---|--------------|---------------|-------------|-------------------|--------------|
| FORGED STEEL (FS) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-FS-P-0630-S | 6-81KHDSS-FS-P-0630-R | 6-81KHDSS-FS-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 5-1/2 | 2500 |
| 6-81KHDSS-FS-P-0830-S | 6-81KHDSS-FS-P-0830-R | 6-81KHDSS-FS-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 6-1/2 | 2500 |
| 6-81KHDSS-FS-P-1030-S | 6-81KHDSS-FS-P-1030-R | 6-81KHDSS-FS-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 7-3/4 | 2500 |
| 6-81KHDSS-FS-P-1230-S | 6-81KHDSS-FS-P-1230-R | 6-81KHDSS-FS-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 9-1/4 | 2500 |
| DUCTILE STEEL (DU) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-DU-P-0630-S | 6-81KHDSS-DU-P-0630-R | 6-81KHDSS-DU-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81KHDSS-DU-P-0830-S | 6-81KHDSS-DU-P-0830-R | 6-81KHDSS-DU-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHDSS-DU-P-1030-S | 6-81KHDSS-DU-P-1030-R | 6-81KHDSS-DU-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHDSS-DU-P-1230-S | 6-81KHDSS-DU-P-1230-R | 6-81KHDSS-DU-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| NYLACRON™ MD (NY/MD) WHEELS WITH PRECISION BALL BEARINGS (ALSO AVAILABLE IN NYLACRON™ MONOCAST NY/MC) | | | | | | | |
| 6-81KHDSS-NY/MD-P-0630-S | 6-81KHDSS-NY/MD-P-0630-R | 6-81KHDSS-NY/MD-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 3000 |
| 6-81KHDSS-NY/MD-P-0830-S | 6-81KHDSS-NY/MD-P-0830-R | 6-81KHDSS-NY/MD-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 3000 |
| 6-81KHDSS-NY/MD-P-1030-S | 6-81KHDSS-NY/MD-P-1030-R | 6-81KHDSS-NY/MD-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 3000 |
| 6-81KHDSS-NY/MD-P-1230-S | 6-81KHDSS-NY/MD-P-1230-R | 6-81KHDSS-NY/MD-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 3000 |
| SOLID ELASTOMER (SE) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-SE-P-0630-S | 6-81KHDSS-SE-P-0630-R | 6-81KHDSS-SE-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 2500 |
| 6-81KHDSS-SE-P-0830-S | 6-81KHDSS-SE-P-0830-R | 6-81KHDSS-SE-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHDSS-SE-P-1030-S | 6-81KHDSS-SE-P-1030-R | 6-81KHDSS-SE-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHDSS-SE-P-1230-S | 6-81KHDSS-SE-P-1230-R | 6-81KHDSS-SE-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| URETHANE / HEAVY DUTY / CAST IRON CORE (UR/HD/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-UR/HD/CA-P-0630-S | 6-81KHDSS-UR/HD/CA-P-0630-R | 6-81KHDSS-UR/HD/CA-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 2300 |
| 6-81KHDSS-UR/HD/CA-P-0830-S | 6-81KHDSS-UR/HD/CA-P-0830-R | 6-81KHDSS-UR/HD/CA-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHDSS-UR/HD/CA-P-1030-S | 6-81KHDSS-UR/HD/CA-P-1030-R | 6-81KHDSS-UR/HD/CA-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHDSS-UR/HD/CA-P-1230-S | 6-81KHDSS-UR/HD/CA-P-1230-R | 6-81KHDSS-UR/HD/CA-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| URETHANE / CAST IRON CORE / DONUT TREAD (UR/CA/DT) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-UR/CA/DT-P-0630-S | 6-81KHDSS-UR/CA/DT-P-0630-R | 6-81KHDSS-UR/CA/DT-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 1875 |
| 6-81KHDSS-UR/CA/DT-P-0830-S | 6-81KHDSS-UR/CA/DT-P-0830-R | 6-81KHDSS-UR/CA/DT-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 2400 |
| 6-81KHDSS-UR/CA/DT-P-1030-S | 6-81KHDSS-UR/CA/DT-P-1030-R | 6-81KHDSS-UR/CA/DT-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHDSS-UR/CA/DT-P-1230-S | 6-81KHDSS-UR/CA/DT-P-1230-R | 6-81KHDSS-UR/CA/DT-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| POLYURETHANE / CAST IRON CORE (PY/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-PY/CA-P-0630-S | 6-81KHDSS-PY/CA-P-0630-R | 6-81KHDSS-PY/CA-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 2100 |
| 6-81KHDSS-PY/CA-P-0830-S | 6-81KHDSS-PY/CA-P-0830-R | 6-81KHDSS-PY/CA-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 2500 |
| 6-81KHDSS-PY/CA-P-1030-S | 6-81KHDSS-PY/CA-P-1030-R | 6-81KHDSS-PY/CA-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 2500 |
| 6-81KHDSS-PY/CA-P-1230-S | 6-81KHDSS-PY/CA-P-1230-R | 6-81KHDSS-PY/CA-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 2500 |
| ELASTIC RUBBER / CAST IRON CORE (ER/CA) WHEELS WITH PRECISION BALL BEARINGS | | | | | | | |
| 6-81KHDSS-ER/CA-P-0630-S | 6-81KHDSS-ER/CA-P-0630-R | 6-81KHDSS-ER/CA-P-0630-S-FCB/SS | 6 | 3 | 7-1/2 | 3-5/8 | 950 |
| 6-81KHDSS-ER/CA-P-0830-S | 6-81KHDSS-ER/CA-P-0830-R | 6-81KHDSS-ER/CA-P-0830-S-FCB/SS | 8 | 3 | 10-1/8 | 4-5/8 | 1200 |
| 6-81KHDSS-ER/CA-P-1030-S | 6-81KHDSS-ER/CA-P-1030-R | 6-81KHDSS-ER/CA-P-1030-S-FCB/SS | 10 | 3 | 11-1/2 | 5-1/4 | 1650 |
| 6-81KHDSS-ER/CA-P-1230-S | 6-81KHDSS-ER/CA-P-1230-R | 6-81KHDSS-ER/CA-P-1230-S-FCB/SS | 12 | 3 | 13-1/2 | 6-9/16 | 1850 |

Nylacron™ (NY/MD and NY/MC) wheels available in every size caster rig. Additional wheels available, consult Acorn™

*Add Rig Options to the end of each part number (i.e 6-81KHDSS-FS-P-0630-S-WFB for Wheel Face Brake)

ACORN™ IN-PLANT SURVEY

A simple, safe & ergonomic operating practice for any caster application:
Each caster on the equipment should be rated at an amount equal to the total load.

ACORN PRODUCT SURVEY

Equipment Name / Type: _____

Floor Material: _____

Measurements: _____

Floor Condition: _____

Maximum Capacity:

Contents + Container Weight = _____ lbs

Is Overload Possible? ___ Yes ___ No

Shock Loads? ___ Yes ___ No

Heavier Loads in Future? ___ Yes ___ No

If Yes, _____ lbs

Operating Environmental Factors: (Noise, Speed, Abuse, Extreme Temperature, Oils, Constant Moisture, Other _____)

Movement: ___ Manual Operation ___ Power/Towing Operation

Power: ___ High Speed ___ Side Thrust

CASTER MOUNTING PATTERN

Conventional: _____

Diamond: _____

4-Wheel: _____

6-Wheel: _____

Other: _____

ACCESSORIES / OPTIONS

Swivel Locks (SL): _____

Wheel Brakes (WB): _____

Total Lock Brakes (TL): _____

Floor Locks (FL): _____

Other: _____

TOP PLATE / CASTER CONSTRUCTION

Present Top Plate Size: _____ x _____ in / mm

Present Bolt Hole Pattern: _____ x _____ in / mm

Slotted To: _____ x _____ in / mm

Rig Construction: ___ Stamped ___ Cold Forged

 ___ Hot Forged ___ Kingpinless

 ___ Stainless Steel ___ Welded Legs

Present Overall Height: _____ in / mm

Present Swivel Radius: _____ in / mm

Notes: _____

WHEEL OPTIONS

Wheel Diameter: _____

Tread Width: _____

Bearing Type: _____

Other: _____

Acorn Recommendations: _____
