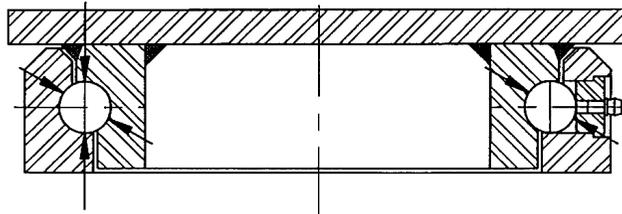


Kingpinless Casters with Dual Sealed Precision Bearing Wheels

are rapidly replacing all other type of casters in Industrial Medium and Heavy Duty Manual or Towing applications.

SWIVEL SECTION (Figure #1)



The swivel section in figure #1 is of the **Offset Precision Full Contact Ball Race Design** and surface-hardened to reduce premature wear and brinelling.

In direct static loading, as a load is placed on the caster, the forces are initially transmitted to the rearward balls. Due to the fact that the balls ride on an incline, they tend to climb up the incline. This pulls the yoke to the rear of the caster. As this occurs, part of the load is transmitted around the bearing to the front of the caster. This gives distribution of the load over the entire swivel bearing instead of just the rear balls.

When thrust forces occur, as when the caster is swiveled or it hits an obstruction, these forces will push the yoke backwards in an attempt to rotate the yoke. The yoke is pulled down on the front part of the bearing and pushed up in the back. In this way, the thrust is distributed over the entire bearing.

KINGPINLESS™ DESIGN BENEFITS

1. Reduction in caster failures
2. Greater caster service life
3. Easier swivel motion
4. Eliminates kingpin tightening and maintenance
5. Reduced caster shimmy and shake
6. Optional top plates, OAH, Hub Lengths and Swivel Radius in both USA and EURO standards.

KINGPINLESS RACEWAY DESIGN Diameters and Ball Bearings Sizes

CATEGORY 04

4-71K™ SERIES

Load Capacity to: 1,800 lb

Raceway: 2-3/8" diameter with 3/8" ball bearings

CATEGORY 05

5-72K™ SERIES

Load Capacity to: 4,000 lb

Raceway: 2-3/4" diameter with 1/2" ball bearings

CATEGORY 06

6-81K™ SERIES

Load Capacity to: 6,000 lb

Raceway: 3" diameter with 1/2" ball bearings

CATEGORY 07

7-90K™ SERIES

Load Capacity to: 6,000 lb

Raceway: 4-1/4" diameter with 5/8" ball bearings

CATEGORY 08

8-94K™ SERIES

Load Capacity to: 10,000 lb

Raceway: 4-1/2" diameter with 5/8" ball bearings

CATEGORY 09

9-95K™ SERIES

Load Capacity to: 20,000 lb

Raceway: 4-1/2" diameter with 3/4" ball bearings

CATEGORY 10

10-98K™ SERIES

Load Capacity to: 40,000 lb

Raceway: 7" diameter with 3/4" ball bearings

Heavy Duty Kingpinless Casters

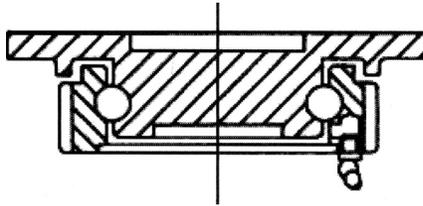
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Heavy Duty Kingpinless Casters are the Best Value Choice

for performance ergonomics, safety and less cost in use for AGV Stabilizing Casters, Gantry Crane Casters, Dual Wheel Casters, Swivel- Eaz™ Casters, Nylacron™ Casters or Pneumatic Casters.



Swivel-EAZ™
(Dual-in-One)
80A Durometer



Vulkollan™ Tread
Dual Wheel AGV Precision



Pneumatic



Swivel-EAZ™
(Dual-in-One)
95A Durometer



Nylacron™
NY/MD, NY/MC, NY/HSB, NY/GF

DUAL SEALED PRECISION BEARING WHEELS FOR ALL KINGPINLESS CASTERS

All precision bearing wheels are equipped with end caps to fit hub length and axle sizes.



Nylacron™
(NY/MD)



Vulkollan™
(VU)



Urethane 93A
UR/CA



Urethane Soft 80A
URS/CA



SWIVEL-EAZ™
(SWE)



Elastic Rubber
(SF)