



ERGONOMIC
MOBILITY
EXPERTS

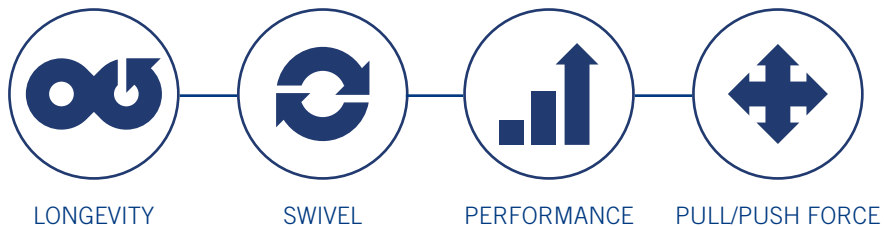
DARCOR
CASTERS AND WHEELS

WHEEL TECHNOLOGY THAT EXCEEDS ERGONOMIC MOBILITY STANDARDS

For eighty (80) years, Darcor's commitment to research and development has given us the reputation of being the leading provider of ergonomic caster solutions across the globe.

At Darcor, ergonomic casters begin with a simple concept – how to make the workplace safer and eliminate risk to injury. To do this, we have developed high performance, lower rolling resistance, longer lasting, quiet and shock-dampening casters.

Our casters are designed to help your company build a healthy Return On Investment (ROI) by reducing overexertion, repetitive strain injuries and downtime.



KP SERIES MODULAR



9 3/4 ± 1/8

(R1)

Ø 8.0

2.5

Max Swivel Radius 6.625

MAT'L:



Darcor Limited

Toronto, Canada

31 - KP408 - PSE ASSEMBLY

PART NO.: XXXX

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OWN BY: LT

DATE: 02/28/05

SCA

TOLERANCE: .X=.060, .XX=.015, .XXX=.005, ANGLES UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES UNLESS SPECIFIED OTHERWISE

REV	REVISION	DATE	BY
R2	VIEWS REDONE	11/28/06	LT
R1	ADD OAH TOLERANCE	08/19/05	LT

DWG#: 31 - KP408 - PSE

MODULAR KINGPINLESS CASTERS

Darcor's Kingpinless Series swivel caster is engineered to take on the toughest industrial challenge and roll through them with ease. The Kingpinless design eliminates the need for rivets or king bolts, which are common weak spots that can lead to caster failure. The KP's carrying capacity, reliability, endurance and low-exertion mobility puts it in a class of its own. It's a workhorse you can count on to maintain productivity and reduce workplace injuries for the long haul. In fact, for most applications and equipment, the KP caster will never need to be replaced due to its robust design and dual hardened raceways. The KP was designed to adapt and configure to its user's needs and tackle every challenge.

The Darcor KP is a modular system providing the flexibility to meet the most aggressive ergonomic objectives. This system enables the same caster to be used within a single, dual or even triple wheel configuration. This flexibility is paramount for any environment that is constantly evolving to meet new goals and objectives. The KP Series also comes in a 3" offset and is now available with a modular brake system in our various wheel configurations in the 6" and 8" sizes.



KINGPINLESS

FEATURES

- Capacity: 400–1000 lbs. (180–450 kg) per caster
- ½" (12.7 mm) axle
- Noise/chatter reducing design
- Virtually noise free when equipped with Neoprene or Solid Elastomer wheels
- Double row ball bearing swivel
- Grease fitting in swivel
- All swivel parts case hardened to Rockwell 62C
- Low maintenance and resistant to dirt and other contaminants
- The brake can be configured to be a toe locking, central locking or 4 position locking brake

WHEEL MATERIALS

Neoprene (D), Solid Elastomer (SE™ & SX), Low-Effort (LE)

APPLICATIONS

- Ideal where shock and heavy loads are present
- Commonly used for heavy-duty carts and dollies, and tool and die carts



DUAL WHEEL KINGPINLESS

FEATURES

- Capacity 1000-1600 lbs. (455-727 kg)
- ½" (12.7 mm) Grade 8 axle bolt
- Provides superior swivelling capability
- Able to carry an increased load capacity
- Precision sealed bearings in wheels
- Hardened dual raceways
- Extremely low maintenance required

WHEEL MATERIALS

Solid Elastomer (SE™ & SX),
Low-Effort (LE), Neoprene (D)

APPLICATIONS

- Ideal for heavy loads requiring extremely low swivelling forces
- Ideal for efficient movement of heavy materials and assemblies



TRIPLE WHEEL KINGPINLESS

FEATURES

- Capacity 1400-1800 lbs. (636-818 kg)
- ½" (12.7 mm) Grade 8 axle bolt
- Provide the ability to move extremely heavy loads efficiently and safely
- Precision sealed bearings in wheels
- Available with toe lock braking system
- Hardened dual raceways
- Withstands extreme impact loading

WHEEL MATERIALS

Solid Elastomer (SE™ & SX),
Low-Effort (LE), Neoprene (D)

APPLICATIONS

- Used in the heavy industry as the "back saver"
- Increased ergonomic mobility performance

KP SERIES WHEELS

Darcor has the world's best wheels, especially when it comes to lowering push/pull forces. Whether it is the shock dampening, non-marking properties of our Neoprene, the most ergonomically advanced, incredibly easy to roll Solid Elastomer (SE™) or the anti-skid technology of our Low Effort (LE), Darcor has the total solution for your ergonomic challenges.



NEOPRENE WHEEL (D)

The Neoprene wheel (D) is superior for all floor surfaces and ergonomically designed for excellent mobility and resistance to wear. These quiet and easy rolling wheels are very shock absorbing, non-marking and will reject floor debris, roll over screws, metal or glass fragments, and resin pellets. They are virtually cut proof and resist a wide range of chemicals and cleaning compounds. The Neoprene wheels' smooth ride have redefined the function of the caster in material-handling applications.



SUPER ROLL NEOPRENE WHEEL (SR)

The Super Roll Neoprene wheel (SR) offers the same high quality as standard Neoprene wheels (D) but with a low profile tread for easier swivelling and very low rolling resistance.



SOLID ELASTOMER WHEEL (SE™)

The Solid Elastomer (SE™) wheel is the industry leader in applications demanding the lowest rolling resistance for heavier loads. It requires only 20 lbs. of force to move a one-ton (1000 kg) load and only 10 lbs. to keep it moving. The SE™ wheel provides excellent shock-absorption properties, wears like iron and is able to withstand harsh chemicals and extreme temperatures.

KP SERIES WHEELS



SOLID ELASTOMER WHEEL (SX)

With all the properties of our pioneering Solid Elastomer (SE™) wheel, the SX takes a higher load and will provide reduced swivelling and rolling forces for the most demanding applications.



LOW-EFFORT (LE)

A custom-designed problem-solver that will outperform conventional urethanes, Darcor's Low-Effort wheel (LE) is highly resistant to chemicals, provides superior longevity, and a smooth ride. The resiliency of this material makes it suitable for any floor surface.

BEARINGS



PRECISION SEALED BALL BEARING (P)

- Offers extremely low rolling resistance and requires no lubrication or maintenance
 - Ideal for applications that have medium loads, side thrusts, and high speeds
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TAPERED ROLLER BEARING (Y)

- Ideal for applications that have heavy loads, side thrusts, and high speeds
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Benefits of Darcor Casters

- Designed for the lowest push/pull forces
- Heavy-duty construction
- High tolerance for shock and impact loading
- Engineered with workplace ergonomics in mind

The wheel technology behind Darcor casters is designed to make your workplace safer and more efficient.

Reduce the risks of overexertion, repetitive strain injuries and downtime.

Contact us to find out how.



DARCOR LIMITED
7 Staffordshire Place, Toronto
Ontario, Canada M8W 1T1

416.255.8563
1.800.387.7206

ergonomics@darcor.com
www.darcor.com