

**DARCOR**  
CASTERS AND WHEELS  
a TENTE Company



**IT'S OUR WHEELS™**



# WHAT TO DO WHEN YOUR ERGONOMIC GOAL POST CHANGES

## Wheel Technology That Exceeds Ergonomic Mobility Standards

For over ninety years, Darcor has been at the forefront of innovation in ergonomic caster solutions, establishing ourselves as a global leader through our commitment to research and development.

At the heart of Darcor's philosophy lies a simple yet powerful principle: creating a safer workplace by solving future mobility problems today. Our commitment to this goal has led to the development of ergo-friendly casters built on four foundational pillars: Longevity, Swivel Ease, Superior Performance, and Optimal Push/Pull Force.

Our approach has led to the creation of casters that not only perform better but also last longer, with lower rolling resistance, reduced noise, and improved shock absorption. These design features contribute to a healthier Return On Investment (ROI) for your business by cutting down on overexertion, repetitive strain injuries, and unnecessary downtime.



LONGEVITY



SWIVEL



PERFORMANCE



PUSH/PULL FORCE



# WHEEL MATERIALS

## Kingpinless (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.



### SPECIFICATIONS

- Tread Symbol: SE
- Shore 55 D
- **-60°F – +230°F**
- Mobility: Excellent

### SOLID ELASTOMER WHEEL (SE™)

#### APPLICATIONS

- Manual material handling
- Tow lines
- Manufacturing
- Warehousing
- Indoor environments

#### UNIQUE FEATURES

- Ergonomically advanced
- Easy to push
- Resilient
- Shock absorbing
- Durable



### SPECIFICATIONS

- Tread Symbol: D
- Shore 62 A
- **-20°F – +300°F**
- Mobility: Excellent

### NEOPRENE WHEEL (D)

#### APPLICATIONS

- Indoor/outdoor carts
- Towing
- Manufacturing
- Warehousing
- Hospitals/Offices

#### UNIQUE FEATURES

- Debris free
- Non-marking
- Noise dampening
- Shock absorbing
- Durable



### SPECIFICATIONS

- Tread Symbol: LE
- Shore 80 A
- **-40°F – +175°F**
- Mobility: Excellent

### LOW EFFORT URETHANE WHEEL (LE)

#### APPLICATIONS

- Indoor/outdoor carts
- Towing
- Suitable for any floor surface

#### UNIQUE FEATURES

- Resistant to chemicals
- Smooth ride
- Phenomenal in towing applications
- Anti-skid



### CURIOUS ABOUT ERGO LONGEVITY™?

Darcor's casters provide ERGO LONGEVITY™. ERGO LONGEVITY™ means our casters will maintain ergonomic mobility performance for the long term. Ergonomic mobility is the rolling resistance and swiveling force of a caster when a load is applied. The lower the force and resistance, the better the performance.

# WHEEL MATERIAL MATTERS

Not all wheel materials are the same, and understanding the differences is key to selecting the right caster for your needs. Some will perform better when faced with debris, some are known for their noise dampening and non-marking properties, while others are known for their superior mobility. Recognizing why wheel material matters allows you to match the caster to the application, optimizing performance, safety, and longevity in your specific environment.



## DEBRIS FREE

- Wheel materials resistant to dust, debris, and other environmental factors
- Maintain functionality in various conditions



## ERGO LONGEVITY™

- High-quality casters result in extended ergonomic performance, with less maintenance
- Less downtime in your assembly lines



## MOBILITY

- Wheel materials that provide easy maneuverability
- Enhance efficiency and safety in the confined areas of kitchens and storage spaces



## NOISE

- Remove excessive noise from your cart
- Ensure you are below OSHA's Permissible Exposure Limit



## COSTIC TOLERANCES

- Wheel materials that can withstand aggressive cleaning procedures without deteriorating
- Maintain the overall cleanliness and safety of the food processing environment



## FLOOR PROTECTION

- Non-marking
- Specialized wheel materials are engineered to distribute weight evenly, reducing pressure points and minimizing the risk of damage to the floor



## ASSET PROTECTION

- Prevent damage to the delicate and expensive medical equipment
- Maintain operational accuracy with wheel materials that can handle precise movements and absorb shocks



## CURIOS ABOUT SWIVEL?

Swiveling forces are typically the peak mobility force that a cart will experience. Darcor's casters are specially designed to tackle high swiveling forces by providing ergonomically sound wheels, effective swivel offsets and multi-wheel configurations.

# WHEN TO USE WHAT

Selecting the appropriate casters for specific applications is crucial for optimizing performance, safety, and efficiency in any environment. The choice between Single, Dual Wheel, and Triple Wheel KP casters depends on various factors such as load capacity, maneuverability, floor conditions, and space constraints.



## KINGPINLESS

- **Load capacity:** 1000 lbs.
- **Axle size:** ½ inch
- **Brake options:** toe locking, central locking, or 4 position locking
- **Wheel materials:** Neoprene (D), Solid Elastomer (SE™), Low-Effort (LE)

### Features:

- Noise-reducing design, virtually silent with Neoprene or Solid Elastomer wheels
- Double-row ball bearing swivel and grease fitting
- Swivel parts hardened to Rockwell 62C
- Low maintenance, resistant to dirt



## DUAL WHEEL KINGPINLESS

- **Load capacity:** 1800 lbs.
- **Axle size:** ½ inch
- **Wheel materials:** Neoprene (D), Solid Elastomer (SE™), Low-Effort (LE)

### Features:

- Superior swivelling capabilities
- Able to carry an increased load capacity
- Precision sealed bearings
- Hardened dual raceways
- Extremely low maintenance required



## TRIPLE WHEEL KINGPINLESS

- **Load capacity:** 1800 lbs.
- **Axle size:** ½ inch
- **Brake options:** toe locking
- **Wheel materials:** Neoprene (D), Solid Elastomer (SE™), Low-Effort (LE)

### Features:

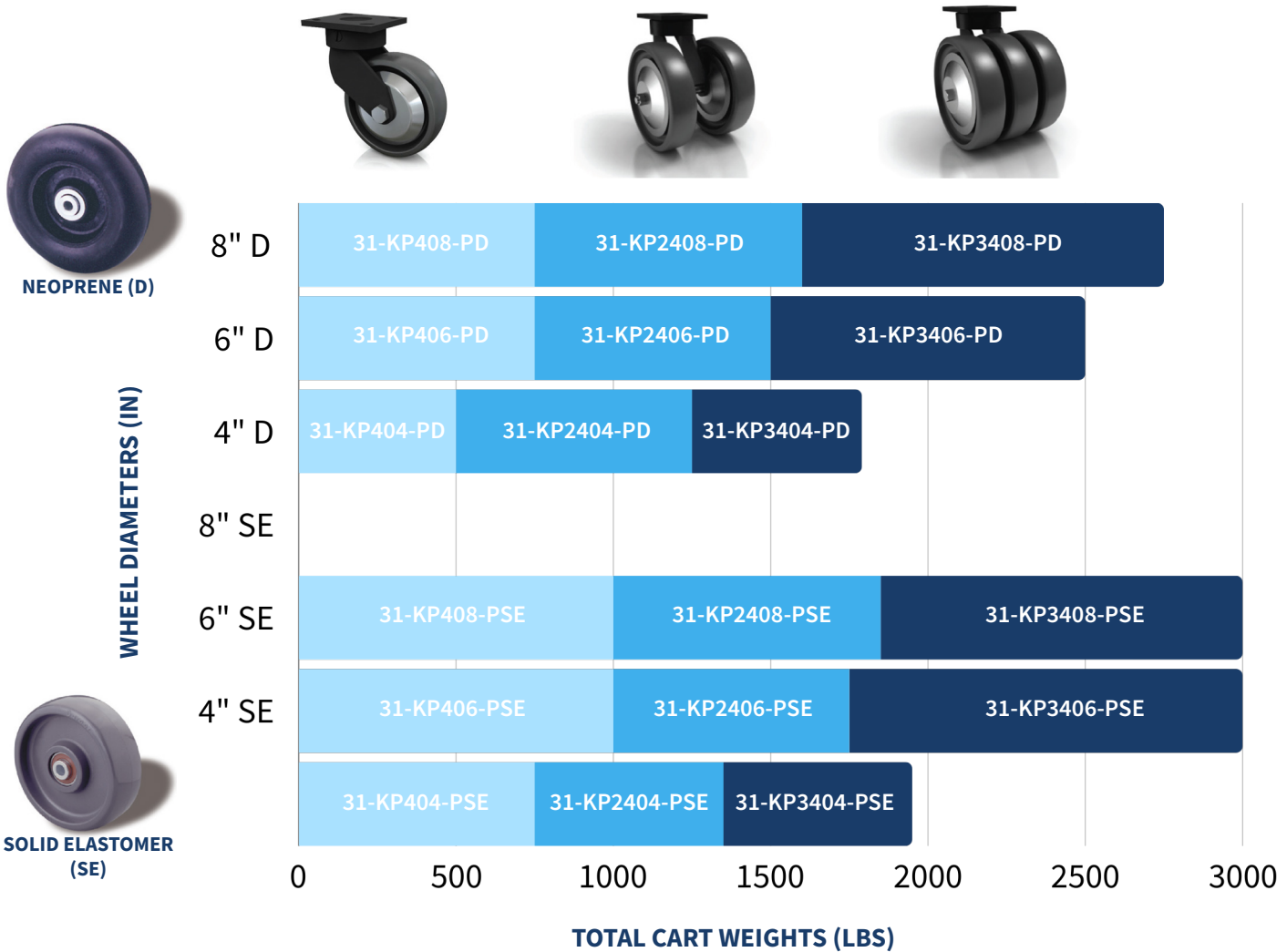
- Able to move extremely heavy loads efficiently and safely
- Precision sealed bearings
- Hardened dual raceways
- Withstands extreme impact loading



## CURIOUS ABOUT PERFORMANCE?

High performance casters can be the difference between a healthy and unhealthy worker. Darcor's wheel technology will provide high performance and reduce push/pull forces. This means less chance of injury in the field. Decreasing the risk of injury, translates to lower injury-related costs for the employer.

# MAXIMIZING ERGONOMIC PERFORMANCE



## CURIOUS ABOUT PUSH/PULL FORCES?

Push/pull forces are the quantitative measures of the force required to move and sustain a cart's movement. By reducing these forces, a worker can easily, safely, and efficiently move products.

# ABOUT DARCOR

Since 1931, Darcor Casters and Wheels has been the world leader in high performance caster solutions - helping companies and organizations in every industry to keep things rolling more easily, safely, quietly, and reliably. Our “best in class” reputation for quality and innovation has driven our growth for over 90 years and allows us to continue that growth.

Darcor’s superior caster design creates better designed mobility solutions that support workplace ergonomics with a vision of improving employee health, safety and productivity. We provide caster mobility solutions for manufacturing, material handling, medical, floor cleaning, entertainment, industrial applications, and more for OEM's, industrial companies, and distributors in North America, Europe, and Asia. We also create custom caster solutions engineered to suit unique applications.

As of April 15th 2024, Darcor Casters and Wheels has been acquired by the TENTE Casters, Inc family. This acquisition represents a pivotal moment in our history, as two leaders in the mobility solutions sector unite to forge a path toward enhanced innovation and expanded service offerings.

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