



**MUYTONS**  
WHEELS + CASTORS



Moving tons... So easily • Since 1977

Three  
generations  
carrying the  
Muvtons Flag  
with pride.



**10,000+**  
**Customers**

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Our products help us forge  
long-term relationships with  
our customers.



## 5,000+ Products

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In every size, material and combination: to fulfil every tenable requirement.

## 40+ Countries

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Our products are employed in all seven continents on the planet.

## 45+ Years of Quality

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An unmatched emphasis on excellence since 1977.

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|                               |             |        |    |
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|                           |         |    |
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|---------------------------|---------|----|

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|--------------------------------------|----------|----|
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# Muvtons: The Company



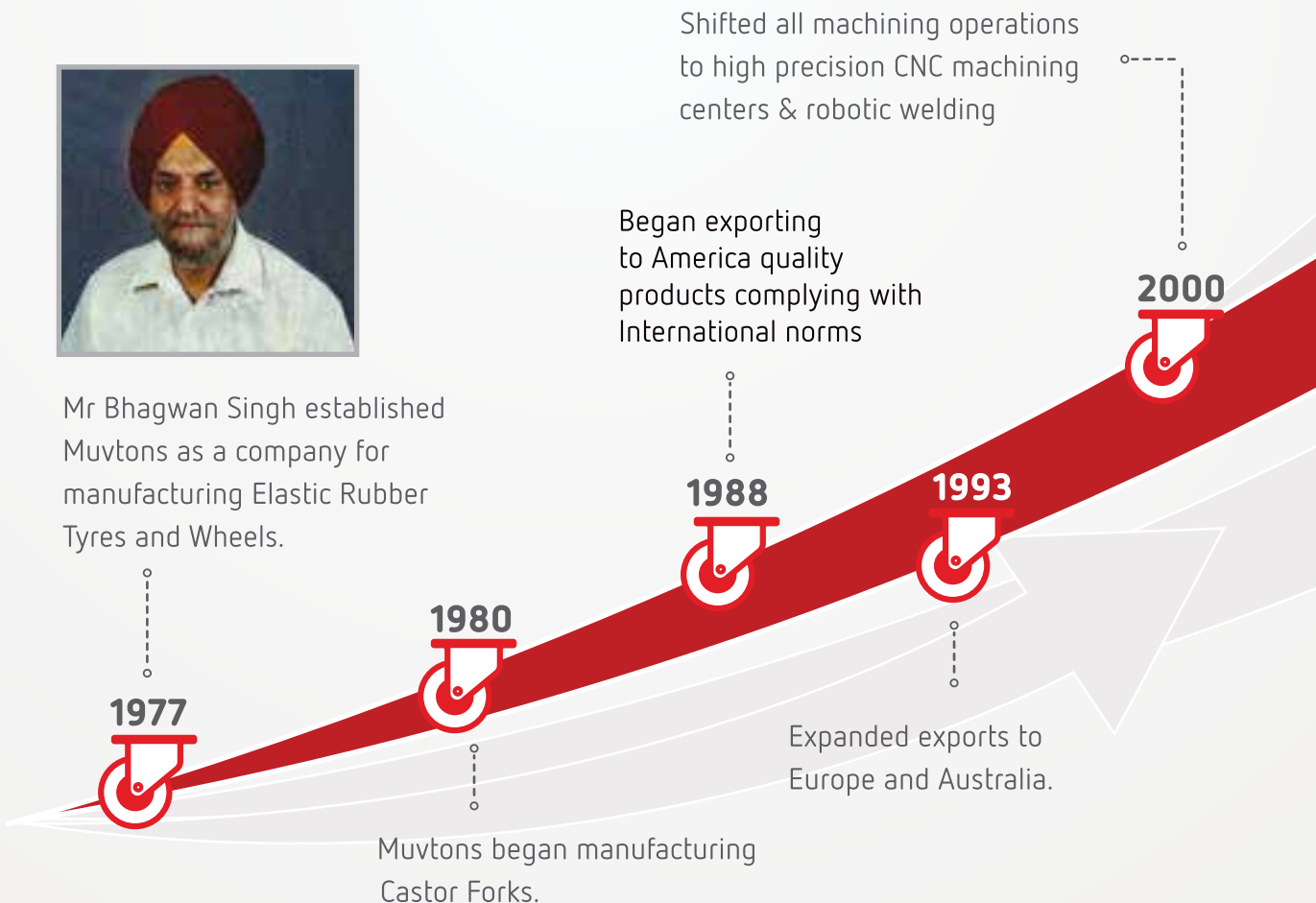
Muvtons Castors was established by Mr. Bhagwan Singh in 1977 with one simple vision: To manufacture wheels & castors that surpass all expectations of quality and performance. Today, having grown to become industry leaders in wheels & castors, we remain committed to that vision as strongly as ever.

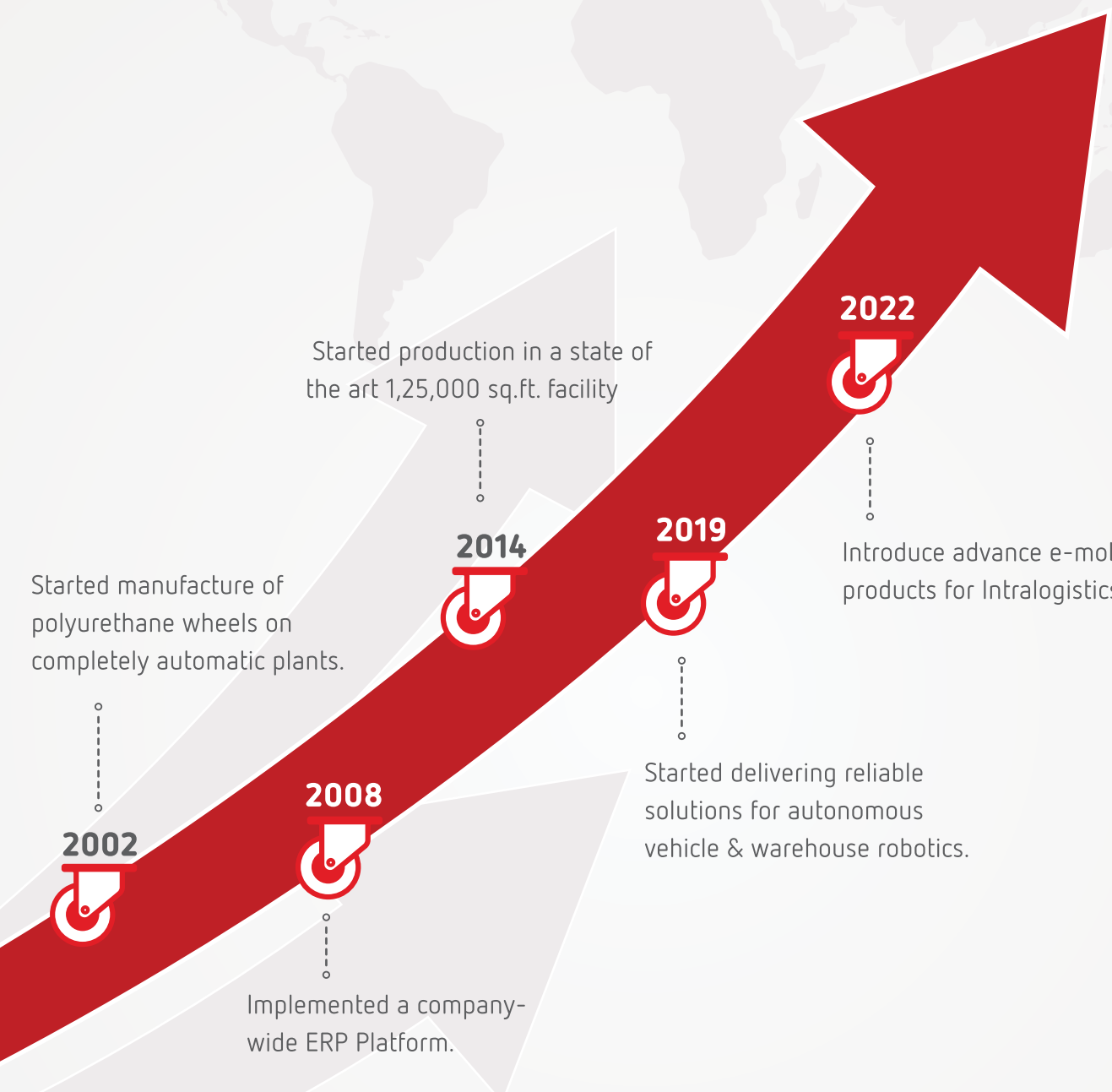
We offer the most comprehensive range of solutions for our customers; our products can ferry loads from 100 Kg up to 50 tonnes, and are available in a variety of materials and configurations to fulfil every tenable requirement.

We perform an application study before recommending mobility solutions, employ automated machinery and advanced manufacturing processes, and undertake rigorous in-house product testing to ensure that your investment performs impeccably for years to come.



Mr Bhagwan Singh established Muvtons as a company for manufacturing Elastic Rubber Tyres and Wheels.





Started production in a state of the art 1,25,000 sq.ft. facility

**2014**

**2019**

**2022**

Started manufacture of polyurethane wheels on completely automatic plants.

Introduce advance e-mobility products for Intralogistics

Started delivering reliable solutions for autonomous vehicle & warehouse robotics.

**2002**

**2008**

Implemented a company-wide ERP Platform.



**Moving tons...  
So easily...**



## World-Class Infrastructure

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Muvtons was established on the outskirts of India's capital, New Delhi. Today, we employ more than 200 skilled people on a 1,25,000 sq. ft. in a state of the art integrated manufacturing plant.



## State of the Art Manufacturing Facility

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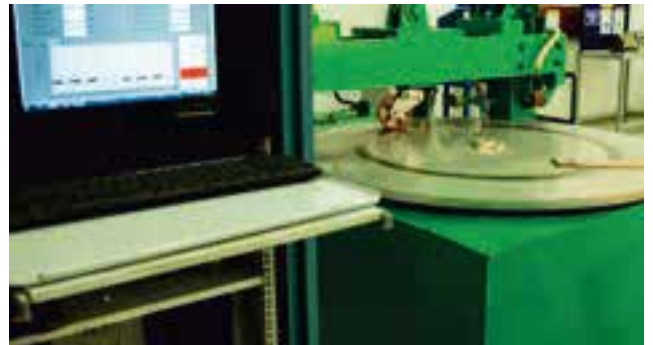
Equipped with latest advanced machinery to ensure consistent high quality production.

- High-precision CNC Machining Centres,
- Robotic Welding Systems,
- Induction Hardening Equipment, and
- Computer controlled polyurethane wheel molding lines.

## World Class Testing Facility

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To ensure that we surpass the global quality standards and meet our founders vision of providing highest quality products to our customers.



## Warehouse

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A huge 10,000 sq. mtr of warehousing facility with large stock of standard products to provide short delivery time for customers.

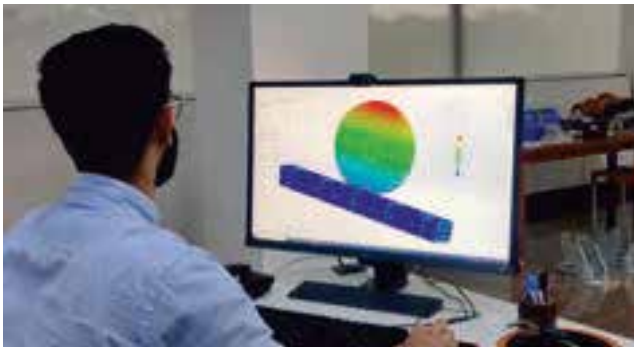




## A Young Professional Team

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Under the leadership of our dynamic CEO, guided by our founders vision of curating customer's needs. With the culture of customer first, and can do attitude the team is ready to serve the needs of customers with standards as well as customised products in shortest time-line.



## Engineering Resources

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A team of highly qualified engineering talent from India's best engineering universities empowered by Muvtons design centre with cutting edge design & innovation tools. This team forms Muvtons backbone for developing high quality and efficient Castors & Wheels.

## Comprehensive Product Range

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More than 5,000+ products available in variety of materials and configuration, capable of carrying loads up to 50 tons, to quickly provide right solution to a wide range of applications.



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# THE MUVTONS ADVANTAGE

Muvtons designs solutions that can be 'fitted and forgotten'. We want to listen to you and understand your problem areas before suggesting solutions for your mobility needs.

- Our Castors guarantee a much longer service life.
- Our Solutions come with a Comprehensive and Identifiable Warranty, protecting your best interests.

## Noise Reduction

Empty trolleys increase in-plant noise levels, especially when they are power-towed—this discomforts workers and is a workplace hazard.

Muvtons's solutions help mitigate high noise levels in plants and promote a enjoyable work environment.

## Ergonomics

Ergonomics is the scientific design of a castor to make it easy to start, roll and maneuver your material handling dollies.

Muvtons designs solutions that make it safer and easier to move heavy loads, thereby saving time and cost, and eliminating associated back injuries.



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## Locks & Brakes

We offer wide variety of Locks and Brakes:

- A Total Lock secures the castor & wheel in position.
- A Directional Lock arrests the swivel and constrains the wheel to move along a straight path.
- A Wheel Face Break locks the wheel without constraining the swivel head.

## Towing method

Maximum load capacity, speed of movement and distance covered, floor surface and wear - these are dependent on the towing method, i.e., whether a load is moved manually or power-towed.

Muvtons offers a comprehensive product range and can engineer specific solutions for your towing-method and application requirements.

## Load Bearing Capacity

When superior rated wheels/castors are not provided for high-speed towing, either you have to tow heavy loads slowly or loading per trolley has to be reduced-this leads to plant inefficiency and exposes workers to injury. Load capacity, overall, is affected by carried load, speed of movement and nature of the floor surface.

In order to meet your requirements, Muvtons load bearing solutions are ISO standardized for loads from 100 kg up to 12 tonne per wheel.

## Product Life

Muvtons products withstand the toughest of applications — including high speeds, rough floor surfaces, high or low temperatures and rough usage. Minimised product breakage reduces plant downtime, and eliminates high maintenance and replacement costs.

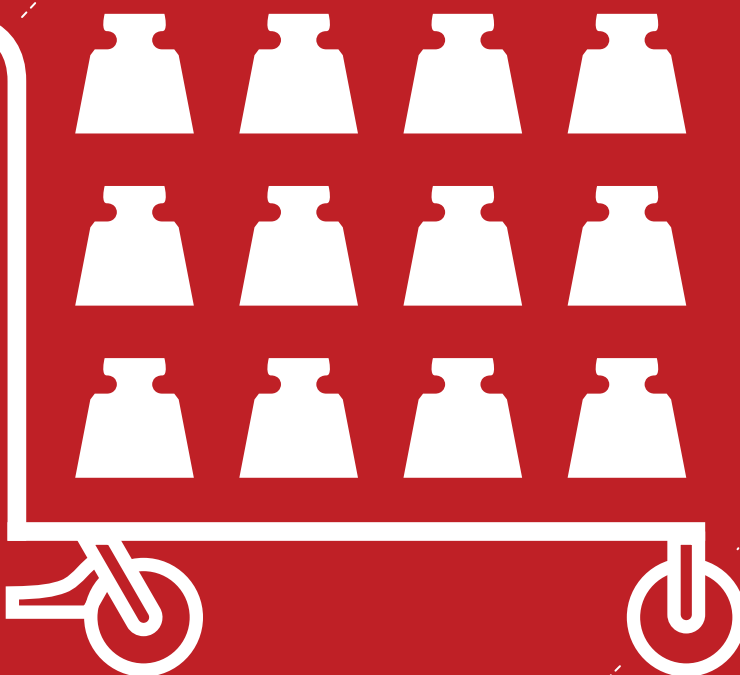
## Surface Protection

Poorly chosen wheel materials spoil expensive Epoxy coated floors. On the other hand uneven floor surfaces can damage transported material, reduce efficiency and shorten castor life.

Muvtons provides holistic solutions to match the customer's application needs & protect the floor surface.

## Special Solutions

We can engineer requirement-specific solutions — for example, to combat the problem of metal chips getting lodged in wheel treads, or, to eliminate fluff buildup in the castors used in the textile industry.



# CUSTOMISED SOLUTIONS

INNOVATION

COLLABORATION

TIME MANAGEMENT

PRODUCT BREADTH

CUSTOMER SUPPORT



# SOLUTIONS FOR YOU



With industry moving towards higher level of automation and Industry 4.0, becoming the norm, the demand for better, faster and reliable mobility solutions are the need of the hour. The Automatic Guided vehicle, robotic and other mobility solutions in intralogistics are expected to carry more loads in a smaller footprint while operating for longer hours in complex environments. In order to operate these machines with better efficiency and durability, one needs wheels and caster solutions that are smaller, ergonomically proficient and attain superlative quality standards.

Muvtons has 45 years' experience of building wheels and casters which surpass global standards. Our highly qualified engineering team supported by world class infrastructure is ideally placed to understand your application. This team can work with your engineering team to develop the best customized castor and wheel solutions for your products. Using the cutting-edge tools, our engineers can do modelling and finite element analysis to ensure that the castor and wheels meets the most stringent requirements. The latest world class test facility, allows us to simulate your required actual conditions and quickly qualify the castors for durability. This facilitates reducing the development time to meet your tight product launch deadlines.

All of the above is further supported and enhanced by – our enduring spirit, nimbleness and flexibility in making us your ideal partner, whether you are building Automatic Guided Vehicles, Robotics or special purpose machines, which require collaboration and sharing of knowledge



 Max Load Capacity  
**450 Kg**

| Wheel Diameter | Top Plate Dimensions | Bolt Hole Centres | Attaching Bolt Size |
|----------------|----------------------|-------------------|---------------------|
| 80 → 125 mm    | 105 x 85 mm          | 80 x 60 mm        | 8 mm                |
| 150 → 200 mm   | 135 x 110 mm         | 105 x 75-80 mm    | 10 mm               |

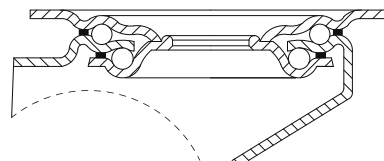
**FORK CONSTRUCTION**

- Extra Heavy Duty Thick Pressed Steel: Dynamically Pressed to ensure low swivel head play and long service life.
- Swivel Raceways with Double Ball Bearings to ensure High Load Bearing Capacities.
- Kingpinless Swivel Heads in large wheel diameters to eliminate chances of kingpin failure.

**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISH**

- Bright Zinc Plated

**OPTIONS**

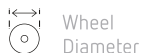
- Total Lock Brake System

| +WHEELS     | MATERIAL                             | PAGE |
|-------------|--------------------------------------|------|
| <b>PNY</b>  | Polyurethane Wheels + Nylon Core     | 02   |
| <b>SJAL</b> | Polyurethane Wheels + Aluminium Core | 02   |
| <b>SJS</b>  | Polyurethane Wheels                  | 03   |
| <b>MEJ</b>  | Medium Duty Polyurethane Wheels      | 03   |

## BDS Medium Duty Pressed Steel Castors



Max Load Capacity  
**450 Kg**



Wheel Diameter



Top Plate



Bolt Hole Centres



Attaching Bolt Size

80 → 125 mm

105 x 85 mm

80 x 60 mm

8 mm

150 → 200 mm

135 x 110 mm

105 x 75-80 mm

10 mm

+WHEEL

### PNY Polyurethane Wheels with Nylon Core

Material ..... Polyurethane 93° + 3 Shore A  
 Core ..... Nylon  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Also available in softer 80° Shore A Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors  
 Highlights ..... Low Noise Operation · Low Rolling Resistance  
 Options ..... Anti - Static · ESD Polyurethane



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 100                    | 80                  | 30               | 105                 | 78                 | 112                   | BDS-312R-PNY            | BDS-312S-PNY             | BDS-312S-PNY-TL                          |
| 200                    | 100                 | 40               | 128                 | 90                 | 120                   | BDS-415R-PNY            | BDS-415S-PNY             | BDS-415S-PNY-TL                          |
| 350                    | 125                 | 40               | 155                 | 105                | 127                   | BDS-515R-PNY            | BDS-515S-PNY             | BDS-515S-PNY-TL                          |
| 400                    | 150                 | 40               | 190                 | 130                | 165                   | BDS-615R-PNY            | BDS-615S-PNY             | BDS-615S-PNY-TL                          |
| 450                    | 200                 | 50               | 238                 | 160                | 168                   | BDS-82R-PNY             | BDS-82S-PNY              | BDS-82S-PNY-TL                           |

+WHEEL






### SJAL Polyurethane Wheels with Aluminium Core

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Also available in softer 80° Shore A Polyurethane  
 Highlights ..... Noiseless Running · Non Marking · Cost Effective  
 Options ..... Anti - Static · ESD Polyurethane



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 125                    | 80                  | 30               | 105                 | 78                 | 112                   | BDS-312R-SJAL           | BDS-312S-SJAL            | BDS-312S-SJAL-TL                         |
| 225                    | 100                 | 40               | 128                 | 90                 | 120                   | BDS-415R-SJAL           | BDS-415S-SJAL            | BDS-415S-SJAL-TL                         |
| 350                    | 125                 | 40               | 155                 | 105                | 127                   | BDS-515R-SJAL           | BDS-515S-SJAL            | BDS-515S-SJAL-TL                         |
| 450                    | 150                 | 50               | 190                 | 130                | 165                   | BDS-62R-SJAL            | BDS-62S-SJAL             | BDS-62S-SJAL-TL                          |
| 450                    | 200                 | 50               | 238                 | 160                | 168                   | BDS-82R-SJAL            | BDS-82S-SJAL             | BDS-82S-SJAL-TL                          |

## BDS Medium Duty Pressed Steel Castors










|  |  |   |   |   |
|--|--|---|---|---|
|  <b>Max Load Capacity</b><br><b>450 Kg</b> |  Wheel Diameter |  Top Plate |  Bolt Hole Centres |  Attaching Bolt Size |
|  | 80 → 125 mm  | 105 x 85 mm   | 80 x 60 mm  | 8 mm  |
|  | 150 → 200 mm   | 135 x 110 mm  | 105 x 75-80 mm  | 10 mm   |

+WHEEL

### SJS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Highlights ..... Noiseless Running • Non Marking •  
 Floor Protective • Cost Effective












| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>225</b>  | 100   | 40  | 128   | 90  | 120   | BDS-415R-SJS  | BDS-415S-SJS  | BDS-415S-SJS-TL   |
| <b>350</b>  | 125   | 40  | 155   | 105   | 127   | BDS-515R-SJS  | BDS-515S-SJS  | BDS-515S-SJS-TL   |
| <b>450</b>  | 150   | 50  | 190   | 130   | 165   | BDS-62R-SJS   | BDS-62S-SJS   | BDS-62S-SJS-TL  |
| <b>450</b>  | 200   | 50  | 238   | 160   | 168   | BDS-82R-SJS   | BDS-82S-SJS   | BDS-82S-SJS-TL  |

+WHEEL

### MEJ Medium Duty Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminum  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Highlights ..... Noiseless Running • Non Marking •  
 Floor Protective • Cost Effective



| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>225</b>  | 100   | 40  | 128   | 90  | 120   | BDS-415R-MEJ  | BDS-415S-MEJ  | BDS-415S-MEJ-TL   |
| <b>350</b>  | 125   | 50  | 155   | 105   | 127   | BDS-52R-MEJ   | BDS-52S-MEJ   | BDS-52S-MEJ-TL  |
| <b>450</b>  | 150   | 50  | 190   | 130   | 165   | BDS-62R-MEJ   | BDS-62S-MEJ   | BDS-62S-MEJ-TL  |
| <b>500</b>  | 200   | 50  | 238   | 160   | 168   | BDS-82R-MEJ   | BDS-82S-MEJ   | BDS-82S-MEJ-TL  |





 Max Load Capacity  
**600 Kg**

 Top Plate  
138 x110 mm

 Bolt Hole Centres  
105 x 75-80 mm

 Attaching Bolt Size  
10 mm

 Fork Legs (Thickness)  
6 mm

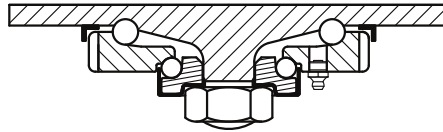
 Fork Spacing  
65 mm

 Wheel Axle  
12 mm

**FORK CONSTRUCTION**

- Forged: Single piece alloy steel top plate with integrally forged kingpin for a robust design.
- Induction hardened, precision CNC Machined and sealed Double Ball Bearing Raceways for swivel head longevity.
- Forged Lower Raceway.
- Fork Legs: Robotically welded inside & outside.

**SWIVEL HEAD SECTION**



**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**AVAILABLE FINISHES**

- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated



**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

| +WHEELS   | MATERIAL                                  | PAGE |
|-----------|---|------|
| SAS       | Polyurethane                              | 05   |
| SZS-HR-AL | Highly Resilient Polyurethane             | 05   |
| ME-HR     | Low Efforts Ergonomic Polyurethane        | 06   |
| ME-SFS    | Solid Elastomer + Aluminium               | 06   |
| SFS       | Solid Elastomer                           | 07   |
| MEJ       | Medium Duty Polyurethane + Aluminium Core | 07   |
| SJAL      | Polyurethane Wheels + Aluminium Core      | 08   |
| SEB       | Elastic Rubber                            | 08   |

## GGSE Forged Kingpin Type Castors



Max Load Capacity  
**600 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

+WHEEL

### SAS Polyurethane Wheels

Material..... Polyurethane 93°±3° Shore A  
 Core..... Cast Iron  
 Bearings..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Epoxy Coated & smooth Cement Concrete floors  
 • Power towing  
 Highlights..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 400                    | 100                 | 50               | 143                 | 85                 | 100                   | GGSE-42R-SAS            | GGSE-42S-SAS             | GGSE-42S-SAS-TL                          |
| 550                    | 125                 | 50               | 165                 | 101                | 101                   | GGSE-52R-SAS            | GGSE-52S-SAS             | GGSE-52S-SAS-TL                          |
| 600                    | 150                 | 50               | 190                 | 120                | 145                   | GGSE-62R-SAS            | GGSE-62S-SAS             | GGSE-62S-SAS-TL                          |
| 600                    | 200                 | 50               | 241                 | 156                | 156                   | GGSE-82R-SAS            | GGSE-82S-SAS             | GGSE-82S-SAS-TL                          |
| 600                    | 250                 | 50               | 295                 | 194                | 195                   | GGSE-102R-SAS           | GGSE-102S-SAS            | GGSE-102S-SAS-TL                         |

+WHEEL

### SZS-HR-AL Highly Resilient Polyurethane Wheels with Aluminium Core


Material..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Epoxy Coated or smooth Cement Concrete floors  
 • Power Towing up to 12 km-hr  
 Highlights..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant • Cost Effective



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 350                    | 100                 | 50               | 143                 | 85                 | 100                   | GGSE-42R-SZS-HR-AL      | GGSE-42S-SZS-HR-AL       | GGSE-42S-SZS-HR-AL-TL                    |
| 400                    | 125                 | 50               | 165                 | 101                | 101                   | GGSE-52R-SZS-HR-AL      | GGSE-52S-SZS-HR-AL       | GGSE-52S-SZS-HR-AL-TL                    |
| 500                    | 150                 | 50               | 190                 | 120                | 145                   | GGSE-62R-SZS-HR-AL      | GGSE-62S-SZS-HR-AL       | GGSE-62S-SZS-HR-AL-TL                    |
| 550                    | 160                 | 50               | 195                 | 120                | 156                   | GGSE-160R-SZS-HR-AL     | GGSE-160S-SZS-HR-AL      | GGSE-160S-SZS-HR-AL-TL                   |
| 600                    | 200                 | 50               | 241                 | 156                | 156                   | GGSE-82R-SZS-HR-AL      | GGSE-82S-SZS-HR-AL       | GGSE-82S-SZS-HR-AL-TL                    |

## GGSE Forged Kingpin Type Castors

 Max Load Capacity  
**600 Kg**

 Top Plate  
138 x 110 mm

 Bolt Hole Centres  
105 x 75-80 mm










 Attaching Bolt Size  
10 mm

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material..... Polyurethane 85°±3° Shore A  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Epoxy or smooth Cement Concrete floors  
 Highlights..... Floor Protective • Extremely Low Rolling Resistance •  
 Ergonomic Design with a Curved Tread












| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>350</b>  | 100   | 50  | 140   | 77  | 100   | GGSE-42R-ME-HR  | GGSE-42S-ME-HR  | GGSE-42S-ME-HR-TL   |
| <b>450</b>  | 125   | 50  | 165   | 95  | 100   | GGSE-52R-ME-HR  | GGSE-52S-ME-HR  | GGSE-52S-ME-HR-TL   |
| <b>575</b>  | 150   | 50  | 195   | 115   | 150   | GGSE-62R-ME-HR  | GGSE-62S-ME-HR  | GGSE-62S-ME-HR-TL   |
| <b>600</b>  | 200   | 50  | 241   | 156   | 156   | GGSE-82R-ME-HR  | GGSE-82S-ME-HR  | GGSE-82S-ME-HR-TL   |

**+WHEEL**

### ME-SFS Solid Elastomer Wheels

Material..... Polyurethane 73°±3° Shore D  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights..... Solid Elastomer + Aluminium  
 Ergonomic Design with Curve Tread • Low Rolling Resistance



| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>375</b>  | 100   | 50  | 143   | 85  | 100   | GGSE-42R-MESFS  | GGSE-42S-MESFS  | GGSE-42S-MESFS-TL   |
| <b>500</b>  | 125   | 50  | 165   | 101   | 101   | GGSE-52R-MESFS  | GGSE-52S-MESFS  | GGSE-52S-MESFS-TL   |
| <b>600</b>  | 150   | 50  | 190   | 120   | 145   | GGSE-62R-MESFS  | GGSE-62S-MESFS  | GGSE-62S-MESFS-TL   |
| <b>600</b>  | 200   | 50  | 241   | 156   | 156   | GGSE-82R-MESFS  | GGSE-82S-MESFS  | GGSE-82S-MESFS-TL   |

## GGSE Forged Kingpin Type Castors



Max Load Capacity  
**600 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>375</b>             | 100                 | 50               | 143                 | 85                 | 100                   | GGSE-42R-SFS            | GGSE-42S-SFS             | GGSE-42S-SFS-TL                          |
| <b>500</b>             | 125                 | 50               | 165                 | 101                | 101                   | GGSE-52R-SFS            | GGSE-52S-SFS             | GGSE-52S-SFS-TL                          |
| <b>600</b>             | 150                 | 50               | 190                 | 120                | 145                   | GGSE-62R-SFS            | GGSE-62S-SFS             | GGSE-62S-SFS-TL                          |
| <b>600</b>             | 200                 | 50               | 241                 | 156                | 156                   | GGSE-82R-SFS            | GGSE-82S-SFS             | GGSE-82S-SFS-TL                          |

**+WHEEL**

### MEJ Medium Duty Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors  
 Highlights ..... Ergonomic Design with a Curved Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>225</b>             | 100                 | 50               | 143                 | 85                 | 100                   | GGSE-42R-MEJ            | GGSE-42S-MEJ             | GGSE-42S-MEJ-TL                          |
| <b>350</b>             | 125                 | 50               | 165                 | 101                | 101                   | GGSE-52R-MEJ            | GGSE-52S-MEJ             | GGSE-52S-MEJ-TL                          |
| <b>450</b>             | 150                 | 50               | 190                 | 120                | 145                   | GGSE-62R-MEJ            | GGSE-62S-MEJ             | GGSE-62S-MEJ-TL                          |
| <b>600</b>             | 200                 | 50               | 241                 | 156                | 156                   | GGSE-82R-MEJ            | GGSE-82S-MEJ             | GGSE-82S-MEJ-TL                          |

## GGSE Forged Kingpin Type Castors

**Max Load Capacity**  
**600 Kg**

**Top Plate**  
138 x 110 mm

**Bolt Hole Centres**  
105 x 75-80 mm

**Attaching Bolt Size**  
10 mm

+WHEEL

### SJAL Polyurethane Wheels with Aluminium Core

Material..... Polyurethane 93°±3° Shore A  
 Core..... Aluminum  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights..... Noiseless Running • Non Marking •  
 Cost Effective



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 200                    | 100                 | 40               | 143                 | 85                 | 100                   | GGSE-415R- SJAL         | GGSE-415S- SJAL          | GGSE-415S- SJAL -TL                      |
| 300                    | 125                 | 40               | 165                 | 101                | 101                   | GGSE-515R- SJAL         | GGSE-515S- SJAL          | GGSE-515S- SJAL -TL                      |
| 375                    | 150                 | 50               | 190                 | 120                | 145                   | GGSE-62R- SJAL          | GGSE-62S- SJAL           | GGSE-62S- SJAL -TL                       |
| 600                    | 200                 | 50               | 241                 | 156                | 156                   | GGSE-82R- SJAL          | GGSE-82S- SJAL           | GGSE-82S- SJAL -TL                       |

+WHEEL

### SEB Elastic Rubber Wheels

Material..... Elastic Rubber 75°±5° Shore A  
 Core..... Cast Iron  
 Bearings..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature..... -20°C to +75°C  
 Tread Options..... High Speed Rubber Available  
 Usage..... Cement Concrete floors and In-plant Tar Roads • Power towing  
 Highlights..... Smooth & silent running • Highly Resilient Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 210                    | 100                 | 50               | 143                 | 85                 | 100                   | GGSE-42R-SEB            | GGSE-42S-SEB             | GGSE-42S-SEB-TL                          |
| 275                    | 125                 | 50               | 165                 | 101                | 101                   | GGSE-52R-SEB            | GGSE-52S-SEB             | GGSE-52S-SEB-TL                          |
| 350                    | 150                 | 50               | 190                 | 120                | 145                   | GGSE-62R-SEB            | GGSE-62S-SEB             | GGSE-62S-SEB-TL                          |
| 450                    | 200                 | 50               | 241                 | 156                | 156                   | GGSE-82R-SEB            | GGSE-82S-SEB             | GGSE-82S-SEB-TL                          |



 **Max Load Capacity**  
**900 Kg**


 **Top Plate**  
138 x110 mm

 **Bolt Hole Centres**  
105 x 75-80 mm

 **Attaching Bolt Size**  
10 mm

 **Fork Legs (Thickness)**  
6 mm

 **Fork Spacing**  
65 mm

 **Wheel Axle**  
12 mm

**FORK CONSTRUCTION**

- Forged Single piece Alloy Steel Top Plate and Fork Base for a robust design.
- Induction hardened & precision CNC Machined Raceways for swivel head longevity.
- Totally Sealed Swivel Head with Grease Nipple.
- Fork Legs: Robotically welded inside & outside.

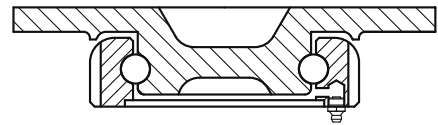
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated



| +WHEELS   | MATERIAL                          | PAGE |
|-----------|-----------------------------------|------|
| SAS       | Polyurethane                      | 10   |
| SZS-HR-AL | Highly Resilient Polyurethane     | 10   |
| SZS-HR-CI | Highly Resilient Polyurethane     | 11   |
| SZS-HR-TT | Elastic Polyurethane              | 11   |
| ME-HR     | Low Effort Ergonomic Polyurethane | 12   |
| ME-SFS    | Polyurethane + Aluminium          | 12   |
| SFS       | Solid Elastomer                   | 13   |
| SEB       | Elastic Rubber                    | 13   |
| MCI       | Cast Iron                         | 14   |

## GHKE Forged Kingpinless Castors

**Max Load Capacity**  
900 Kg

**Top Plate**  
138 x 110 mm

**Bolt Hole Centres**  
105 x 75-80 mm

**Attaching Bolt Size**  
10 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 600                    | 85                  | 75               | 133                 | 100                | 100                   | GHKE-8575R-SAS          | GHKE-8575S-SAS           | GHKE-8575S-SAS-TL                        |
| 400                    | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-42R-SAS            | GHKE-42S-SAS             | GHKE-42S-SAS-TL                          |
| 550                    | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-52R-SAS            | GHKE-52S-SAS             | GHKE-52S-SAS-TL                          |
| 750                    | 150                 | 50               | 195                 | 115                | 150                   | GHKE-62R-SAS            | GHKE-62S-SAS             | GHKE-62S-SAS-TL                          |
| 900                    | 200                 | 50               | 245                 | 152                | 155                   | GHKE-82R-SAS            | GHKE-82S-SAS             | GHKE-82S-SAS-TL                          |
| 900                    | 250                 | 50               | 295                 | 190                | 195                   | GHKE-102R-SAS           | GHKE-102S-SAS            | GHKE-102S-SAS-TL                         |

**+WHEEL**

### SZS-HR-AL Highly Resilient Polyurethane Wheels with Aluminium Core

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors • Power Towing up to 12 km-hr  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant • Cost Effective



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 350                    | 100                 | 50               | 140                 | 77                 | 100                   | GGSE-42R-SZS-HR-AL      | GGSE-42S-SZS-HR-AL       | GGSE-42S-SZS-HR-AL-TL                    |
| 400                    | 125                 | 50               | 165                 | 95                 | 100                   | GGSE-52R-SZS-HR-AL      | GGSE-52S-SZS-HR-AL       | GGSE-52S-SZS-HR-AL-TL                    |
| 500                    | 150                 | 50               | 195                 | 115                | 150                   | GGSE-62R-SZS-HR-AL      | GGSE-62S-SZS-HR-AL       | GGSE-62S-SZS-HR-AL-TL                    |
| 550                    | 160                 | 50               | 200                 | 115                | 150                   | GGSE-160R-SZS-HR-AL     | GGSE-160S-SZS-HR-AL      | GGSE-160S-SZS-HR-AL-TL                   |
| 700                    | 200                 | 50               | 245                 | 152                | 155                   | GGSE-82R-SZS-HR-AL      | GGSE-82S-SZS-HR-AL       | GGSE-82S-SZS-HR-AL-TL                    |
| 750                    | 250                 | 50               | 295                 | 190                | 195                   | GGSE-102R-SZS-HR-AL     | GGSE-102S-SZS-HR-AL      | GGSE-102S-SZS-HR-AL-TL                   |

## GHKE Forged Kingpinless Castors



Max Load Capacity  
**900 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

**+WHEEL**

### SZS-HR-CI Highly Resilient Polyurethane Wheels

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static · ESD Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors ·  
 Power Towing up to 12 km/hr  
 Highlights ..... Non-marking · Noiseless Running · Low Rolling  
 Resistance · Abrasion Resistant · Cost Effective



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>275</b>             | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-42R-SZS-HR-CI      | GHKE-42S-SZS-HR-CI       | GHKE-42S-SZS-HR-CI-TL                    |
| <b>350</b>             | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-52R-SZS-HR-CI      | GHKE-52S-SZS-HR-CI       | GHKE-52S-SZS-HR-CI-TL                    |
| <b>500</b>             | 150                 | 50               | 195                 | 115                | 150                   | GHKE-62R-SZS-HR-CI      | GHKE-62S-SZS-HR-CI       | GHKE-62S-SZS-HR-CI-TL                    |
| <b>550</b>             | 160                 | 50               | 200                 | 115                | 150                   | GHKE-160R-SZS-HR-CI     | GHKE-160S-SZS-HR-CI      | GHKE-160S-SZS-HR-CI-TL                   |
| <b>700</b>             | 200                 | 50               | 245                 | 152                | 155                   | GHKE-82R-SZS-HR-CI      | GHKE-82S-SZS-HR-CI       | GHKE-82S-SZS-HR-CI-TL                    |

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static · ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete  
 floors · Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' ·  
 Flex and Roll over Debris without picking up objects ·  
 High Tractive Resistance





| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>250</b>             | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-42R-SZS-HR-TT      | GHKE-42S-SZS-HR-TT       | GHKE-42S-SZS-HR-TT-TL                    |
| <b>350</b>             | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-52R-SZS-HR-TT      | GHKE-52S-SZS-HR-TT       | GHKE-52S-SZS-HR-TT-TL                    |
| <b>450</b>             | 150                 | 50               | 195                 | 115                | 150                   | GHKE-62R-SZS-HR-TT      | GHKE-62S-SZS-HR-TT       | GHKE-62S-SZS-HR-TT-TL                    |
| <b>650</b>             | 200                 | 50               | 245                 | 152                | 155                   | GHKE-82R-SZS-HR-TT      | GHKE-82S-SZS-HR-TT       | GHKE-82S-SZS-HR-TT-TL                    |
| <b>750</b>             | 250                 | 50               | 295                 | 190                | 195                   | GHKE-102R-SZS-HR-TT     | GHKE-102S-SZS-HR-TT      | GHKE-102S-SZS-HR-TT-TL                   |



## GHKE Forged Kingpinless Castors

 Max Load Capacity  
**900 Kg**

 Top Plate  
138 x 110 mm

 Bolt Hole Centres  
105 x 75-80 mm










 Attaching Bolt Size  
10 mm

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material..... Polyurethane 85°±3° Shore A  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Epoxy or smooth Cement Concrete floors  
 Highlights..... Floor Protective • Extremely Low Rolling Resistance •  
 Ergonomic Design with a Curved Tread












| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>350</b>  | 100   | 50  | 140   | 77  | 100   | GHKE-42R-ME-HR  | GHKE-42S-ME-HR  | GHKE-42S-ME-HR-TL   |
| <b>450</b>  | 125   | 50  | 165   | 95  | 100   | GHKE-52R-ME-HR  | GHKE-52S-ME-HR  | GHKE-52S-ME-HR-TL   |
| <b>575</b>  | 150   | 50  | 195   | 115   | 150   | GHKE-62R-ME-HR  | GHKE-62S-ME-HR  | GHKE-62S-ME-HR-TL   |
| <b>775</b>  | 200   | 50  | 245   | 152   | 155   | GHKE-82R-ME-HR  | GHKE-82S-ME-HR  | GHKE-82S-ME-HR-TL   |
| <b>850</b>  | 250   | 50  | 295   | 190   | 195   | GHKE-102R-ME-HR   | GHKE-102S-ME-HR   | GHKE-102S-ME-HR-TL  |

**+WHEEL**

### ME-SFS Polyurethane + Aluminium

Material..... Polyurethane 73°±3° Shore D  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti - Static • ESD Polyurethane  
 Usage..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights..... Solid Elastomer + Aluminium  
 Ergonomic Design with Curved Tread



| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>375</b>  | 100   | 50  | 140   | 77  | 100   | GHKE-42R-ME-SFS   | GHKE-42S-ME-SFS   | GHKE-42S-ME-SFS-TL  |
| <b>500</b>  | 125   | 50  | 165   | 95  | 100   | GHKE-52R-ME-SFS   | GHKE-52S-ME-SFS   | GHKE-52S-ME-SFS-TL  |
| <b>675</b>  | 150   | 50  | 195   | 115   | 150   | GHKE-62R-ME-SFS   | GHKE-62S-ME-SFS   | GHKE-62S-ME-SFS-TL  |
| <b>800</b>  | 200   | 50  | 245   | 152   | 155   | GHKE-82R-ME-SFS   | GHKE-82S-ME-SFS   | GHKE-82S-ME-SFS-TL  |

## GHKE Forged Kingpinless Castors



**Max Load Capacity**  
**900 Kg**



**Top Plate**  
**138 x 110 mm**



**Bolt Hole Centres**  
**105 x 75-80 mm**



**Attaching Bolt Size**  
**10 mm**

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>375</b>             | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-42R-SFS            | GHKE-42S-SFS             | GHKE-42S-SFS-TL                          |
| <b>500</b>             | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-52R-SFS            | GHKE-52S-SFS             | GHKE-52S-SFS-TL                          |
| <b>675</b>             | 150                 | 50               | 195                 | 115                | 150                   | GHKE-62R-SFS            | GHKE-62S-SFS             | GHKE-62S-SFS-TL                          |
| <b>800</b>             | 200                 | 50               | 245                 | 152                | 155                   | GHKE-82R-SFS            | GHKE-82S-SFS             | GHKE-82S-SFS-TL                          |

**+WHEEL**

### SEB Elastic Rubber Wheels

Material ..... Elastic Rubber 75°±5° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +75°C  
 Tread Options ..... High Speed Rubber Available  
 Usage ..... Cement Concrete floors and In-plant Tar Roads • Power towing  
 Highlights ..... Smooth & silent running • Highly Resilient Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>210</b>             | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-42R-SEB            | GHKE-42S-SEB             | GHKE-42S-SEB-TL                          |
| <b>275</b>             | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-52R-SEB            | GHKE-52S-SEB             | GHKE-52S-SEB-TL                          |
| <b>350</b>             | 150                 | 50               | 195                 | 115                | 150                   | GHKE-62R-SEB            | GHKE-62S-SEB             | GHKE-62S-SEB-TL                          |
| <b>450</b>             | 200                 | 50               | 245                 | 152                | 155                   | GHKE-82R-SEB            | GHKE-82S-SEB             | GHKE-82S-SEB-TL                          |
| <b>500</b>             | 250                 | 50               | 295                 | 190                | 195                   | GHKE-102R-SEB           | GHKE-102S-SEB            | GHKE-102S-SEB-TL                         |

## GHKE Forged Kingpinless Castors



Max Load Capacity  
**900 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

**+WHEEL**

### MCI Cast Iron Wheels


Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads •  
 Abrasion Resistant • Oil Resistant




| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>450</b>             | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-42R-MCI            | GHKE-42S-MCI             | GHKE-42S-MCI-TL                          |
| <b>550</b>             | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-52R-MCI            | GHKE-52S-MCI             | GHKE-52S-MCI-TL                          |
| <b>800</b>             | 150                 | 50               | 195                 | 115                | 150                   | GHKE-62R-MCI            | GHKE-62S-MCI             | GHKE-62S-MCI-TL                          |
| <b>900</b>             | 200                 | 50               | 245                 | 152                | 155                   | GHKE-82R-MCI            | GHKE-82S-MCI             | GHKE-82S-MCI-TL                          |
| <b>900</b>             | 250                 | 50               | 295                 | 190                | 195                   | GHKE-102R-MCI           | GHKE-102S-MCI            | GHKE-102S-MCI-TL                         |



 Max Load Capacity  
**1500 Kg**

 Top Plate  
150 x 110 mm

 Bolt Hole Centres  
105 x 80 mm  
Slotted to 121 x 59 mm

 Attaching Bolt Size  
12 mm

 Fork Legs (Thickness)  
6 mm

 Fork Spacing  
65 mm

 Wheel Axle  
12 mm

**FORK CONSTRUCTION**

- Forged single-piece Alloy Steel top plate & fork base for a robust design.
- Induction hardened and precision CNC Machined Raceways for swivel head longevity.
- Totally sealed Swivel Head with grease nipple.
- Fork Legs: cylindrically formed robotically welded inside & outside.

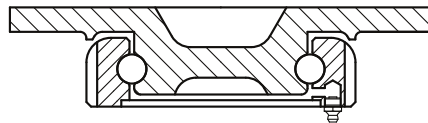
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated



| +WHEELS          | MATERIAL                          | PAGE |
|------------------|-----------------------------------|------|
| <b>SAS</b>       | Polyurethane                      | 16   |
| <b>SZS-HR-CI</b> | Highly Resilient Polyurethane     | 16   |
| <b>SZS-HR-TT</b> | Highly Resilient Polyurethane     | 17   |
| <b>ME-HR</b>     | Low Effort Ergonomic Polyurethane | 17   |
| <b>SFS</b>       | Solid Elastomer                   | 18   |
| <b>SEB</b>       | Elastic Rubber                    | 18   |
| <b>MCNY</b>      | Cast Polyamide                    | 19   |
| <b>MCI</b>       | Cast Iron                         | 19   |

## GRDE Forged Kingpinless Castors



Max Load Capacity  
**1500 Kg**



Top Plate  
150 x 110 mm



Bolt Hole Centres  
105 x 80 mm  
Slotted to 121 x 59 mm



Attaching Bolt Size  
12 mm

+WHEEL

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static · ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors · Power Towing  
 Highlights ..... Non-marking · Noiseless Running · Low Rolling Resistance · Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>650</b>             | 85                  | 75               | 144                 | 85                 | 130                   | GRDE-8575R-SAS          | GRDE-8575S-SAS           | GRDE-8575S-SAS-TL                        |
| <b>400</b>             | 100                 | 50               | 150                 | 93                 | 130                   | GRDE-42R-SAS            | GRDE-42S-SAS             | GRDE-42S-SAS-TL                          |
| <b>550</b>             | 125                 | 50               | 177                 | 115                | 130                   | GRDE-52R-SAS            | GRDE-52S-SAS             | GRDE-52S-SAS-TL                          |
| <b>750</b>             | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-SAS            | GRDE-62S-SAS             | GRDE-62S-SAS-TL                          |
| <b>1000</b>            | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-SAS            | GRDE-82S-SAS             | GRDE-82S-SAS-TL                          |
| <b>1200</b>            | 250                 | 50               | 300                 | 197                | 197                   | GRDE-102R-SAS           | GRDE-102S-SAS            | GRDE-102S-SAS-TL                         |
| <b>1400</b>            | 300                 | 50               | 350                 | 232                | 232                   | GRDE-122R-SAS           | GRDE-122S-SAS            | GRDE-122S-SAS-TL                         |

+WHEEL

### SZS-HR-CI Resilient Polyurethane Wheels

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static · ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors · Manual and/or power towing up to 12 km/hr  
 Highlights ..... Floor Protective · Extremely Low Rolling Resistance · Ergonomic Design



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>500</b>             | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-SZS-HR-CI      | GRDE-62S-SZS-HR-CI       | GRDE-62S-SZS-HR-CI-TL                    |
| <b>550</b>             | 160                 | 50               | 205                 | 135                | 140                   | GRDE-160R-SZS-HR-CI     | GRDE-160S-SZS-HR-CI      | GRDE-160S-SZS-HR-CI-TL                   |
| <b>700</b>             | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-SZS-HR-CI      | GRDE-82S-SZS-HR-CI       | GRDE-82S-SZS-HR-CI-TL                    |
| <b>750</b>             | 250                 | 50               | 300                 | 197                | 197                   | GRDE-102R-SZS-HR-CI     | GRDE-102S-SZS-HR-CI      | GRDE-102S-SZS-HR-CI-TL                   |

## GRDE Forged Kingpinless Castors



Max Load Capacity  
**1500 Kg**

Top Plate  
150 x 110 mm

Bolt Hole Centres  
105 x 80 mm  
Slotted to 121 x 59 mm

Attaching Bolt Size  
12 mm

+WHEEL

### SZS-HR-TT Elastic Polyurethane Wheels

Material.....Elastic Polyurethane 83°±3° Shore A  
 Core.....Cast Iron  
 Bearings.....Sealed Precision Ball Bearings  
 Temperature.....-20°C to +85°C  
 Tread Options.....Anti - Static • ESD Polyurethane  
 Usage.....In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights.....'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 250                    | 100                 | 50               | 150                 | 93                 | 130                   | GRDE-42R-SZS-HR-TT      | GRDE-42S-SZS-HR-TT       | GRDE-42S-SZS-HR-TT-TL                    |
| 350                    | 125                 | 50               | 177                 | 115                | 130                   | GRDE-52R-SZS-HR-TT      | GRDE-52S-SZS-HR-TT       | GRDE-52S-SZS-HR-TT-TL                    |
| 450                    | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-SZS-HR-TT      | GRDE-62S-SZS-HR-TT       | GRDE-62S-SZS-HR-TT-TL                    |
| 650                    | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-SZS-HR-TT      | GRDE-82S-SZS-HR-TT       | GRDE-82S-SZS-HR-TT-TL                    |
| 750                    | 250                 | 50               | 300                 | 197                | 197                   | GRDE-102R-SZS-HR-TT     | GRDE-102S-SZS-HR-TT      | GRDE-102S-SZS-HR-TT-TL                   |

+WHEEL

### ME-HR Elastic Polyurethane Wheels

Material.....Elastic Polyurethane 83°±3° Shore A  
 Core.....Aluminium  
 Bearings.....Sealed Precision Ball Bearings  
 Temperature.....-20°C to +85°C  
 Tread Options.....Anti - Static • ESD Polyurethane  
 Usage.....Epoxy or smooth Cement Concrete floors  
 Highlights.....Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design with a Curved Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 350                    | 100                 | 50               | 150                 | 93                 | 130                   | GRDE-42R-ME-HR          | GRDE-42S-ME-HR           | GRDE-42S-ME-HR-TL                        |
| 450                    | 125                 | 50               | 177                 | 115                | 130                   | GRDE-52R-ME-HR          | GRDE-52S-ME-HR           | GRDE-52S-ME-HR-TL                        |
| 575                    | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-ME-HR          | GRDE-62S-ME-HR           | GRDE-62S-ME-HR-TL                        |
| 775                    | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-ME-HR          | GRDE-82S-ME-HR           | GRDE-82S-ME-HR-TL                        |
| 850                    | 250                 | 50               | 300                 | 197                | 197                   | GRDE-102R-ME-HR         | GRDE-102S-ME-HR          | GRDE-102S-ME-HR-TL                       |

## GRDE Forged Kingpinless Castors



Max Load Capacity  
**1500 Kg**



Top Plate  
150 x 110 mm



Bolt Hole Centres  
105 x 80 mm  
Slotted to 121 x 59 mm



Attaching Bolt Size  
12 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>375</b>             | 100                 | 50               | 150                 | 93                 | 130                   | GRDE-42R-SFS            | GRDE-42S-SFS             | GRDE-42S-SFS-TL                          |
| <b>500</b>             | 125                 | 50               | 177                 | 115                | 130                   | GRDE-52R-SFS            | GRDE-52S-SFS             | GRDE-52S-SFS-TL                          |
| <b>675</b>             | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-SFS            | GRDE-62S-SFS             | GRDE-62S-SFS-TL                          |
| <b>800</b>             | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-SFS            | GRDE-82S-SFS             | GRDE-82S-SFS-TL                          |

**+WHEEL**

### SEB Elastic Rubber Wheels

Material ..... Elastic Rubber 75°±5° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +75°C  
 Tread Options ..... High Speed Rubber Available  
 Usage ..... Cement Concrete floors and In-plant Tar Roads • Power towing  
 Highlights ..... Smooth & silent running • Highly Resilient Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>210</b>             | 100                 | 50               | 150                 | 93                 | 130                   | GRDE-42R-SEB            | GRDE-42S-SEB             | GRDE-42S-SEB-TL                          |
| <b>275</b>             | 125                 | 50               | 177                 | 115                | 130                   | GRDE-52R-SEB            | GRDE-52S-SEB             | GRDE-52S-SEB-TL                          |
| <b>350</b>             | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-SEB            | GRDE-62S-SEB             | GRDE-62S-SEB-TL                          |
| <b>450</b>             | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-SEB            | GRDE-82S-SEB             | GRDE-82S-SEB-TL                          |
| <b>500</b>             | 250                 | 50               | 300                 | 197                | 197                   | GRDE-102R-SEB           | GRDE-102S-SEB            | GRDE-102S-SEB-TL                         |

## GRDE Forged Kingpinless Castors

**Max Load Capacity**  
1500 Kg

**Top Plate**  
150 x 110 mm

**Bolt Hole Centres**  
105 x 80 mm  
Slotted to 121 x 59 mm

**Attaching Bolt Size**  
12 mm

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to + 80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 1250                   | 100                 | 55               | 150                 | 93                 | 130                   | GRDE-42R-MCNY           | GRDE-42S-MCNY            | GRDE-42S-MCNY-TL                         |
| 1400                   | 125                 | 55               | 177                 | 115                | 130                   | GRDE-52R-MCNY           | GRDE-52S-MCNY            | GRDE-52S-MCNY-TL                         |
| 1500                   | 150                 | 55               | 200                 | 130                | 140                   | GRDE-62R-MCNY           | GRDE-62S-MCNY            | GRDE-62S-MCNY-TL                         |
| 1500                   | 200                 | 55               | 250                 | 165                | 165                   | GRDE-82R-MCNY           | GRDE-82S-MCNY            | GRDE-82S-MCNY-TL                         |
| 1500                   | 250                 | 55               | 300                 | 197                | 197                   | GRDE-102R-MCNY          | GRDE-102S-MCNY           | GRDE-102S-MCNY-TL                        |

**+WHEEL**

### MCI Cast Iron Wheels

Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads • Abrasion Resistant • Oil Resistant




| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 450                    | 100                 | 50               | 150                 | 93                 | 130                   | GRDE-42R-MCI            | GRDE-42S-MCI             | GRDE-42S-MCI-TL                          |
| 550                    | 125                 | 50               | 177                 | 115                | 130                   | GRDE-52R-MCI            | GRDE-52S-MCI             | GRDE-52S-MCI-TL                          |
| 800                    | 150                 | 50               | 200                 | 130                | 140                   | GRDE-62R-MCI            | GRDE-62S-MCI             | GRDE-62S-MCI-TL                          |
| 1000                   | 200                 | 50               | 250                 | 165                | 165                   | GRDE-82R-MCI            | GRDE-82S-MCI             | GRDE-82S-MCI-TL                          |
| 1500                   | 250                 | 50               | 300                 | 197                | 197                   | GRDE-102R-MCI           | GRDE-102S-MCI            | GRDE-102S-MCI-TL                         |





 **Max Load Capacity**  
1500 Kg


 **Top Plate**  
150 x 110 mm

 **Bolt Hole Centres**  
105 x 80 mm

 **Attaching Bolt Size**  
12 mm

 **Fork Legs (Thickness)**  
6 mm

 **Fork Spacing**  
65 mm x 2

 **Wheel Axle**  
12 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate & fork base for a robust design.
- Induction hardened and precision CNC Machined Raceways for swivel head longevity.
- Totally Sealed Swivel Head with Grease Nipple.
- Fork Legs: cylindrically formed robotically welded inside & outside.

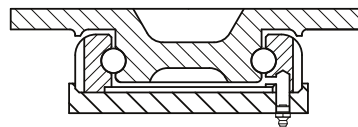
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**


- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated




| +WHEELS   | MATERIAL                          | PAGE |
|-----------|-----------------------------------|------|
| SAS       | Polyurethane                      | 21   |
| SZS-HR-CI | Elastic Polyurethane              | 21   |
| SZS-HR-TT | Highly Resilient Polyurethane     | 22   |
| ME-HR     | Low Effort Ergonomic Polyurethane | 22   |
| SFS       | Solid Elastomer                   | 23   |
| SEB       | Elastic Rubber                    | 23   |
| MCNY      | Cast Polyamide                    | 24   |
| MCI       | Cast Iron                         | 24   |

## GRDDE Forged Twin-Wheel Kingpinless Castors

 Max Load Capacity  
**1500 Kg**

 Top Plate  
150 x 110 mm

 Bolt Hole Centres  
105 x 80 mm  
Slotted to 121 x 59 mm










 Attaching Bolt Size  
12 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant












| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with FWFB (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Front Wheel Face Brake (Part No.)                                |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>800</b>  | 100   | 50 x 2  | 150   | 125   | 215   | GRDDE-42R-SAS   | GRDDE-42S-SAS   | GRDDE-42S-SAS-FWFB  |
| <b>1100</b>   | 125   | 50 x 2  | 177   | 127   | 217   | GRDDE-52R-SAS   | GRDDE-52S-SAS   | GRDDE-52S-SAS-FWFB  |
| <b>1500</b>   | 150   | 50 x 2  | 200   | 144   | 235   | GRDDE-62R-SAS   | GRDDE-62S-SAS   | GRDDE-62S-SAS-FWFB  |
| <b>1500</b>   | 200   | 50 x 2  | 250   | 170   | 260   | GRDDE-82R-SAS   | GRDDE-82S-SAS   | GRDDE-82S-SAS-FWFB  |
| <b>1500</b>   | 250   | 50 x 2  | 300   | 204   | 295   | GRDDE-102R-SAS  | GRDDE-102S-SAS  | GRDDE-102S-SAS-FWFB   |

**+WHEEL**

### SZS-HR-CI Highly Resilient Polyurethane Wheels

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing up to 12 km/hr  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design



| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with FWFB (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Front Wheel Face Brake (Part No.)                                  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>1000</b>   | 150   | 50 x 2  | 200   | 144   | 235   | GRDDE-62R-SZS-HR-CI   | GRDDE-62S-SZS-HR-CI   | GRDDE-62S-SZS-HR-CI-FWFB  |
| <b>1100</b>   | 160   | 50 x 2  | 205   | 148   | 235   | GRDDE-160R-SZS-HR-CI  | GRDDE-160S-SZS-HR-CI  | GRDDE-160S-SZS-HR-CI-FWFB   |
| <b>1400</b>   | 200   | 50 x 2  | 250   | 170   | 260   | GRDDE-82R-SZS-HR-CI   | GRDDE-82S-SZS-HR-CI   | GRDDE-82S-SZS-HR-CI-FWFB  |
| <b>1500</b>   | 250   | 50 x 2  | 300   | 204   | 295   | GRDDE-102R-SZS-HR-CI  | GRDDE-102S-SZS-HR-CI  | GRDDE-102S-SZS-HR-CI-FWFB   |

## GRDDE Forged Twin-Wheel Kingpinless Castors



Max Load Capacity  
**1500 Kg**



Top Plate  
150 x 110 mm



Bolt Hole Centres  
105 x 80 mm  
Slotted to 121 x 59 mm



Attaching Bolt Size  
12 mm

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with WFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|------------------------|-------------------------|--------------------------|--|
| <b>500</b>             | 100                 | 50 x 2           | 150                 | 125                | 215                    | GRDDE-42R-SZS-HR-TT     | GRDDE-42S-SZS-HR-TT      | GRDDE-42S-SZS-HR-TT-FWFB                       |
| <b>700</b>             | 125                 | 50 x 2           | 177                 | 127                | 217                    | GRDDE-52R-SZS-HR-TT     | GRDDE-52S-SZS-HR-TT      | GRDDE-52S-SZS-HR-TT-FWFB                       |
| <b>900</b>             | 150                 | 50 x 2           | 200                 | 144                | 235                    | GRDDE-62R-SZS-HR-TT     | GRDDE-62S-SZS-HR-TT      | GRDDE-62S-SZS-HR-TT-FWFB                       |
| <b>1300</b>            | 200                 | 50 x 2           | 250                 | 170                | 260                    | GRDDE-82R-SZS-HR-TT     | GRDDE-82S-SZS-HR-TT      | GRDDE-82S-SZS-HR-TT-FWFB                       |
| <b>1500</b>            | 250                 | 50 x 2           | 300                 | 204                | 295                    | GRDDE-102R-SZS-HR-TT    | GRDDE-102S-SZS-HR-TT     | GRDDE-102S-SZS-HR-TT-FWFB                      |

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material ..... Polyurethane 83°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors •  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design with a Curved Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>700</b>             | 100                 | 50 x 2           | 150                 | 125                | 215                     | GRDDE-42R-ME-HR         | GRDDE-42S-ME-HR          | GRDDE-42S-ME-HR-FWFB                                 |
| <b>900</b>             | 125                 | 50 x 2           | 177                 | 127                | 217                     | GRDDE-52R-ME-HR         | GRDDE-52S-ME-HR          | GRDDE-52S-ME-HR-FWFB                                 |
| <b>1150</b>            | 150                 | 50 x 2           | 200                 | 144                | 235                     | GRDDE-62R-ME-HR         | GRDDE-62S-ME-HR          | GRDDE-62S-ME-HR-FWFB                                 |
| <b>1500</b>            | 200                 | 50 x 2           | 250                 | 170                | 260                     | GRDDE-82R-ME-HR         | GRDDE-82S-ME-HR          | GRDDE-82S-ME-HR-FWFB                                 |
| <b>1500</b>            | 250                 | 50 x 2           | 300                 | 204                | 295                     | GRDDE-102R-ME-HR        | GRDDE-102S-ME-HR         | GRDDE-102S-ME-HR-FWFB                                |

## GRDDE Forged Twin-Wheel Kingpinless Castors

**Max Load Capacity**  
1500 Kg

**Top Plate**  
150 x 110 mm

**Bolt Hole Centres**  
105 x 80 mm  
Slotted to 121 x 59 mm

**Attaching Bolt Size**  
12 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 750                    | 100                 | 50 x 2           | 150                 | 125                | 215                     | GRDDE-42R-SFS           | GRDDE-42S-SFS            | GRDDE-42S-SFS-FWFB                                   |
| 1000                   | 125                 | 50 x 2           | 177                 | 127                | 217                     | GRDDE-52R-SFS           | GRDDE-52S-SFS            | GRDDE-52S-SFS-FWFB                                   |
| 1350                   | 150                 | 50 x 2           | 200                 | 144                | 235                     | GRDDE-62R-SFS           | GRDDE-62S-SFS            | GRDDE-62S-SFS-FWFB                                   |
| 1500                   | 200                 | 50 x 2           | 250                 | 170                | 260                     | GRDDE-82R-SFS           | GRDDE-82S-SFS            | GRDDE-82S-SFS-FWFB                                   |

**+WHEEL**

### SEB Elastic Rubber Wheels

Material ..... Elastic Rubber 75°±5° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +75°C  
 Tread Options ..... High Speed Rubber Available  
 Usage ..... Cement Concrete floors and In-plant Tar Roads • Power towing  
 Highlights ..... Smooth & silent running • Highly Resilient Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 420                    | 100                 | 50 x 2           | 150                 | 125                | 215                     | GRDDE-42R-SEB           | GRDDE-42S-SEB            | GRDDE-42S-SEB-FWFB                                   |
| 550                    | 125                 | 50 x 2           | 177                 | 127                | 217                     | GRDDE-52R-SEB           | GRDDE-52S-SEB            | GRDDE-52S-SEB-FWFB                                   |
| 700                    | 150                 | 50 x 2           | 200                 | 144                | 235                     | GRDDE-62R-SEB           | GRDDE-62S-SEB            | GRDDE-62S-SEB-FWFB                                   |
| 900                    | 200                 | 50 x 2           | 250                 | 170                | 260                     | GRDDE-82R-SEB           | GRDDE-82S-SEB            | GRDDE-82S-SEB-FWFB                                   |
| 1000                   | 250                 | 50 x 2           | 300                 | 204                | 295                     | GRDDE-102R-SEB          | GRDDE-102S-SEB           | GRDDE-102S-SEB-FWFB                                  |

## GRDDE Forged Twin-Wheel Kingpinless Castors

**Max Load Capacity**  
1500 Kg

**Top Plate**  
150 x 110 mm

**Bolt Hole Centres**  
105 x 80 mm  
Slotted to 121 x 59 mm

**Attaching Bolt Size**  
12 mm

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 1500                   | 100                 | 50 x 2           | 150                 | 125                | 250                     | GRDDE-42R-MCNY          | GRDDE-42S-MCNY           | GRDDE-42S-MCNY-FWFB                                  |
| 1500                   | 125                 | 50 x 2           | 177                 | 127                | 250                     | GRDDE-52R-MCNY          | GRDDE-52S-MCNY           | GRDDE-52S-MCNY-FWFB                                  |
| 1500                   | 150                 | 50 x 2           | 200                 | 144                | 265                     | GRDDE-62R-MCNY          | GRDDE-62S-MCNY           | GRDDE-62S-MCNY-FWFB                                  |
| 1500                   | 200                 | 50 x 2           | 250                 | 170                | 300                     | GRDDE-82R-MCNY          | GRDDE-82S-MCNY           | GRDDE-82S-MCNY-FWFB                                  |
| 1500                   | 250                 | 50 x 2           | 300                 | 204                | 328                     | GRDDE-102R-MCNY         | GRDDE-102S-MCNY          | GRDDE-102S-MCNY-FWFB                                 |

**+WHEEL**

### MCI Cast Iron Wheels


Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads • Abrasion Resistant • Oil Resistant




| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 900                    | 100                 | 50 x 2           | 150                 | 125                | 250                     | GRDDE-42R-MCI           | GRDDE-42S-MCI            | GRDDE-42S-MCI-FWFB                                   |
| 1100                   | 125                 | 50 x 2           | 177                 | 127                | 250                     | GRDDE-52R-MCI           | GRDDE-52S-MCI            | GRDDE-52S-MCI-FWFB                                   |
| 1500                   | 150                 | 50 x 2           | 200                 | 144                | 265                     | GRDDE-62R-MCI           | GRDDE-62S-MCI            | GRDDE-62S-MCI-FWFB                                   |
| 1500                   | 200                 | 50 x 2           | 250                 | 170                | 300                     | GRDDE-82R-MCI           | GRDDE-82S-MCI            | GRDDE-82S-MCI-FWFB                                   |
| 1500                   | 250                 | 50 x 2           | 300                 | 204                | 328                     | GRDDE-102R-MCI          | GRDDE-102S-MCI           | GRDDE-102S-MCI-FWFB                                  |



 Max Load Capacity  
**1500 Kg**

 Top Plate  
138 x110 mm

 Bolt Hole Centres  
105 x 75-80 mm

 Attaching Bolt Size  
10 mm

 Fork Legs (Thickness)  
6 mm

 Fork Spacing  
65 mm

 Wheel Axle  
12 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Swivel Head: Combination of Precision Thrust Bearing & Tapered Roller Bearing.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during use.
- Fork Legs: cylindrically formed robotically welded inside & outside.

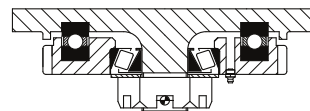
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

ROHS Compliant    Black Polymer Coated    Bright Zinc Plated



| +WHEELS   | MATERIAL                          | PAGE |
|-----------|-----------------------------------|------|
| SAS       | Polyurethane                      | 26   |
| SZS-HR-CI | Highly Resilient Polyurethane     | 26   |
| SZS-HR-TT | Elastic Polyurethane              | 27   |
| ME-HR     | Low Effort Ergonomic Polyurethane | 27   |
| SFS       | Solid Elastomer                   | 28   |
| SEB-HS    | Elastic Rubber                    | 28   |
| MCNY      | Cast Polyamide                    | 29   |
| MCI       | Cast Iron                         | 29   |

## SAB Forged Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
1500 Kg

**Top Plate**  
138 x 110 mm

**Bolt Hole Centres**  
105 x 75-80 mm

**Attaching Bolt Size**  
10 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material..... Polyurethane 93°±3° Shore A  
 Core..... Cast Iron  
 Bearings..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti Static • ESD Polyurethane  
 Usage..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 400                    | 100                 | 50               | 150                 | 96                 | 98                    | SAB-42R-SAS             | SAB-42S-SAS              | SAB-42S-SAS-TL                           |
| 550                    | 125                 | 50               | 175                 | 120                | 120                   | SAB-52R-SAS             | SAB-52S-SAS              | SAB-52S-SAS-TL                           |
| 750                    | 150                 | 50               | 200                 | 130                | 145                   | SAB-62R-SAS             | SAB-62S-SAS              | SAB-62S-SAS-TL                           |
| 1000                   | 200                 | 50               | 250                 | 156                | 156                   | SAB-82R-SAS             | SAB-82S-SAS              | SAB-82S-SAS-TL                           |
| 1200                   | 250                 | 50               | 300                 | 198                | 198                   | SAB-102R-SAS            | SAB-102S-SAS             | SAB-102S-SAS-TL                          |

**+WHEEL**

### SZS-HR-CI Highly Resilient Polyurethane Wheels

Material..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core..... Cast Iron  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti Static • ESD Polyurethane  
 Usage..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing up to 12 km/hr  
 Highlights..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 500                    | 150                 | 50               | 200                 | 130                | 145                   | SAB-62R-SZS-HR-CI       | SAB-62S-SZS-HR-CI        | SAB-62S-SZS-HR-CI-TL                     |
| 550                    | 160                 | 50               | 205                 | 135                | 145                   | SAB-160R-SZS-HR-CI      | SAB-160S-SZS-HR-CI       | SAB-160S-SZS-HR-CI-TL                    |
| 700                    | 200                 | 50               | 250                 | 156                | 150                   | SAB-82R-SZS-HR-CI       | SAB-82S-SZS-HR-CI        | SAB-82S-SZS-HR-CI-TL                     |
| 750                    | 250                 | 50               | 300                 | 200                | 150                   | SAB-102R-SZS-HR-CI      | SAB-102S-SZS-HR-CI       | SAB-102S-SZS-HR-CI-TL                    |

## SAB Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**1500 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels

Material..... Elastic Polyurethane 83°±3° Shore A  
 Core..... Cast Iron  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti Static • ESD Polyurethane  
 Usage..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>250</b>             | 100                 | 50               | 150                 | 96                 | 98                    | SAB-42R-SZS-HR-TT       | SAB-42S-SZS-HR-TT        | SAB-42S-SZS-HR-TT-TL                     |
| <b>350</b>             | 125                 | 50               | 175                 | 120                | 120                   | SAB-52R-SZS-HR-TT       | SAB-52S-SZS-HR-TT        | SAB-52S-SZS-HR-TT-TL                     |
| <b>450</b>             | 150                 | 50               | 200                 | 130                | 145                   | SAB-62R-SZS-HR-TT       | SAB-62S-SZS-HR-TT        | SAB-62S-SZS-HR-TT-TL                     |
| <b>650</b>             | 200                 | 50               | 250                 | 156                | 156                   | SAB-82R-SZS-HR-TT       | SAB-82S-SZS-HR-TT        | SAB-82S-SZS-HR-TT-TL                     |
| <b>750</b>             | 250                 | 50               | 300                 | 198                | 198                   | SAB-102R-SZS-HR-TT      | SAB-102S-SZS-HR-TT       | SAB-102S-SZS-HR-TT-TL                    |

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material..... Polyurethane 83°±3° Shore A  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti Static • ESD Polyurethane  
 Usage..... Epoxy or smooth Cement Concrete floors •  
 Highlights..... Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design with a Curved Tread





| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>350</b>             | 100                 | 50               | 150                 | 96                 | 98                    | SAB-42R-ME-HR           | SAB-42S-ME-HR            | SAB-42S-ME-HR-TL                         |
| <b>450</b>             | 125                 | 50               | 175                 | 120                | 120                   | SAB-52R-ME-HR           | SAB-52S-ME-HR            | SAB-52S-ME-HR-TL                         |
| <b>575</b>             | 150                 | 50               | 200                 | 130                | 145                   | SAB-62R-ME-HR           | SAB-62S-ME-HR            | SAB-62S-ME-HR-TL                         |
| <b>775</b>             | 200                 | 50               | 250                 | 156                | 156                   | SAB-82R-ME-HR           | SAB-82S-ME-HR            | SAB-82S-ME-HR-TL                         |
| <b>850</b>             | 250                 | 50               | 300                 | 198                | 198                   | SAB-102R-ME-HR          | SAB-102S-ME-HR           | SAB-102S-ME-HR-TL                        |



## SAB Forged Precision Bearing Kingpin Type Castors

 Max Load Capacity  
**1500 Kg**

 Top Plate  
138 x 110 mm

 Bolt Hole Centres  
105 x 75-80 mm










 Attaching Bolt Size  
10 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive












| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>375</b>  | 100   | 50  | 150   | 96  | 98  | SAB-42R-SFS   | SAB-42S-SFS   | SAB-42S-SFS-TL  |
| <b>500</b>  | 125   | 50  | 175   | 120   | 120   | SAB-52R-SFS   | SAB-52S-SFS   | SAB-52S-SFS-TL  |
| <b>675</b>  | 150   | 50  | 200   | 130   | 145   | SAB-62R-SFS   | SAB-62S-SFS   | SAB-62S-SFS-TL  |
| <b>800</b>  | 200   | 50  | 250   | 156   | 156   | SAB-82R-SFS   | SAB-82S-SFS   | SAB-82S-SFS-TL  |

**+WHEEL**

### SEB-HS Elastic Rubber Wheels

Material ..... Elastic Rubber 75°±5° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +75°C  
 Tread Options ..... High Speed Rubber Available  
 Usage ..... Cement Concrete floors and In-plant Tar Roads • Power towing  
 Highlights ..... Smooth & silent running • Highly Resilient Tread



| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>210</b>  | 100   | 50  | 150   | 96  | 98  | SAB-42R-SEB-HS  | SAB-42S-SEB-HS  | SAB-42S-SEB-HS-TL   |
| <b>275</b>  | 125   | 50  | 175   | 120   | 120   | SAB-52R-SEB-HS  | SAB-52S-SEB-HS  | SAB-52S-SEB-HS-TL   |
| <b>350</b>  | 150   | 50  | 200   | 130   | 145   | SAB-62R-SEB-HS  | SAB-62S-SEB-HS  | SAB-62S-SEB-HS-TL   |
| <b>450</b>  | 200   | 50  | 250   | 156   | 156   | SAB-82R-SEB-HS  | SAB-82S-SEB-HS  | SAB-82S-SEB-HS-TL   |
| <b>500</b>  | 250   | 50  | 300   | 198   | 198   | SAB-102R-SEB-HS   | SAB-102S-SEB-HS   | SAB-102S-SEB-HS-TL  |

## SAB Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**1500 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

+WHEEL

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>1200</b>            | 100                 | 55               | 150                 | 96                 | 98                    | SAB-42R-MCNY            | SAB-42S-MCNY             | SAB-42S-MCNY-TL                          |
| <b>1400</b>            | 125                 | 55               | 175                 | 120                | 120                   | SAB-52R-MCNY            | SAB-52S-MCNY             | SAB-52S-MCNY-TL                          |
| <b>1500</b>            | 150                 | 55               | 200                 | 130                | 145                   | SAB-62R-MCNY            | SAB-62S-MCNY             | SAB-62S-MCNY-TL                          |
| <b>1500</b>            | 200                 | 55               | 250                 | 156                | 156                   | SAB-82R-MCNY            | SAB-82S-MCNY             | SAB-82S-MCNY-TL                          |

+WHEEL

### MCI Cast Iron Wheels


Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads • Abrasion Resistant • Oil Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with WFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|------------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                        |                         |                          |  |
| <b>450</b>             | 100                 | 50               | 150                 | 96                 | 98                     | SAB-42R-MCI             | SAB-42S-MCI              | SAB-42S-MCI-TL                           |
| <b>550</b>             | 125                 | 50               | 175                 | 120                | 120                    | SAB-52R-MCI             | SAB-52S-MCI              | SAB-52S-MCI-TL                           |
| <b>800</b>             | 150                 | 50               | 200                 | 130                | 145                    | SAB-62R-MCI             | SAB-62S-MCI              | SAB-62S-MCI-TL                           |
| <b>1000</b>            | 200                 | 50               | 250                 | 156                | 156                    | SAB-82R-MCI             | SAB-82S-MCI              | SAB-82S-MCI-TL                           |
| <b>1500</b>            | 250                 | 50               | 300                 | 198                | 198                    | SAB-102R-MCI            | SAB-102S-MCI             | SAB-102S-MCI-TL                          |



 **Max Load Capacity**  
**3000 Kg**

 **Top Plate**  
175 x140 mm

 **Bolt Hole Centres**  
140 x 105 mm

 **Attaching Bolt Size**  
12 mm

 **Fork Legs (Thickness)**  
10 mm

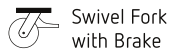
 **Fork Spacing**  
90 mm

 **Wheel Axle**  
20 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Swivel Head: Combination of Precision Thrust Bearing & Tapered Roller Bearing.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during usage.
- Fork Legs: cylindrically formed, robotically welded inside & outside.

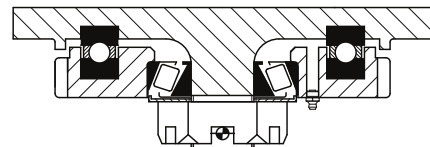
**FORK TYPES**



**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

ROHS Compliant

Black Polymer Coated

Bright Zinc Plated



| +WHEELS   | MATERIAL             | PAGE |
|-----------|----------------------|------|
| SAS       | Polyurethane         | 31   |
| SZS-HR-TT | Elastic Polyurethane | 31   |
| SFS       | Solid Elastomer      | 32   |
| SEB       | Elastic Rubber       | 32   |
| MCNY      | Cast Polyamide       | 33   |
| MCI       | Cast Iron            | 33   |
| DF        | Drop Forged Steel    | 34   |

## ABLP Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**3000 Kg**



Top Plate  
175 x 140 mm



Bolt Hole Centres  
140 x 105 mm



Attaching Bolt Size  
12 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>1050</b>            | 150                 | 75               | 212                 | 128                | 150                   | ABLP-63R-SAS            | ABLP-63S-SAS             | ABLP-63S-SAS-TL                          |
| <b>1400</b>            | 200                 | 75               | 264                 | 167                | 167                   | ABLP-83R-SAS            | ABLP-83S-SAS             | ABLP-83S-SAS-TL                          |
| <b>1800</b>            | 250                 | 75               | 314                 | 210                | 210                   | ABLP-103R-SAS           | ABLP-103S-SAS            | ABLP-103S-SAS-TL                         |
| <b>2200</b>            | 300                 | 75               | 365                 | 232                | 232                   | ABLP-123R-SAS           | ABLP-123S-SAS            | ABLP-123S-SAS-TL                         |

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels


Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>800</b>             | 150                 | 75               | 212                 | 128                | 150                   | ABLP-63R-SZS-HR-TT      | ABLP-63S-SZS-HR-TT       | ABLP-63S-SZS-HR-TT-TL                    |
| <b>1100</b>            | 200                 | 75               | 264                 | 167                | 167                   | ABLP-83R-SZS-HR-TT      | ABLP-83S-SZS-HR-TT       | ABLP-83S-SZS-HR-TT-TL                    |
| <b>1400</b>            | 250                 | 75               | 314                 | 210                | 210                   | ABLP-103R-SZS-HR-TT     | ABLP-103S-SZS-HR-TT      | ABLP-103S-SZS-HR-TT-TL                   |
| <b>1600</b>            | 300                 | 75               | 365                 | 232                | 232                   | ABLP-123R-SZS-HR-TT     | ABLP-123S-SZS-HR-TT      | ABLP-123S-SZS-HR-TT-TL                   |

## ABLP Forged Precision Bearing Kingpin Type Castors

 Max Load Capacity  
**3000 Kg**

 Top Plate  
175 x 140 mm

 Bolt Hole Centres  
140 x 105 mm










 Attaching Bolt Size  
12 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive












| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>1100</b>   | 150   | 75  | 212   | 128   | 150   | ABLP-63R-SFS  | ABLP-63S-SFS  | ABLP-63S-SFS-TL   |
| <b>1150</b>   | 200   | 75  | 264   | 167   | 167   | ABLP-83R-SFS  | ABLP-83S-SFS  | ABLP-83S-SFS-TL   |
| <b>1350</b>   | 250   | 75  | 314   | 210   | 210   | ABLP-103R-SFS   | ABLP-103S-SFS   | ABLP-103S-SFS-TL  |
| <b>1550</b>   | 300   | 75  | 365   | 232   | 232   | ABLP-123R-SFS   | ABLP-123S-SFS   | ABLP-123S-SFS-TL  |

**+WHEEL**

### SEB Elastic Rubber Wheels

Material ..... Elastic Rubber 75°±5° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +75°C  
 Tread Options ..... High Speed Rubber Available  
 Usage ..... Cement Concrete floors and In-plant Tar Roads • Power towing  
 Highlights ..... Smooth & silent running • Highly Resilient Tread



| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with TL (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Total Lock (Part No.)  |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |
| <b>550</b>  | 200   | 75  | 264   | 167   | 167   | ABLP-83R-SEB  | ABLP-83S-SEB  | ABLP-83S-SEB-TL   |
| <b>750</b>  | 250   | 75  | 314   | 210   | 210   | ABLP-103R-SEB   | ABLP-103S-SEB   | ABLP-103S-SEB-TL  |
| <b>850</b>  | 300   | 75  | 365   | 232   | 232   | ABLP-123R-SEB   | ABLP-123S-SEB   | ABLP-123S-SEB-TL  |

## ABLP Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**3000 Kg**



Top Plate  
175 x 140 mm



Bolt Hole Centres  
140 x 105 mm



Attaching Bolt Size  
12 mm

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>3000</b>            | 150                 | 80               | 212                 | 128                | 150                   | ABLP-63R-MCNY           | ABLP-63S-MCNY            | ABLP-63S-MCNY-TL                         |
| <b>3000</b>            | 200                 | 80               | 264                 | 167                | 167                   | ABLP-83R-MCNY           | ABLP-83S-MCNY            | ABLP-83S-MCNY-TL                         |
| <b>3000</b>            | 250                 | 80               | 314                 | 210                | 210                   | ABLP-103R-MCNY          | ABLP-103S-MCNY           | ABLP-103S-MCNY-TL                        |
| <b>3000</b>            | 300                 | 80               | 365                 | 232                | 232                   | ABLP-123R-MCNY          | ABLP-123S-MCNY           | ABLP-123S-MCNY-TL                        |

**+WHEEL**

### MCI Cast Iron Wheels

Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads • Abrasion Resistant • Oil Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>1100</b>            | 150                 | 75               | 212                 | 128                | 150                   | ABLP-63R-MCI            | ABLP-63S-MCI             | ABLP-63S-MCI-TL                          |
| <b>1600</b>            | 200                 | 75               | 264                 | 167                | 167                   | ABLP-83R-MCI            | ABLP-83S-MCI             | ABLP-83S-MCI-TL                          |
| <b>1800</b>            | 250                 | 75               | 314                 | 210                | 210                   | ABLP-103R-MCI           | ABLP-103S-MCI            | ABLP-103S-MCI-TL                         |
| <b>2000</b>            | 300                 | 75               | 365                 | 232                | 232                   | ABLP-123R-MCI           | ABLP-123S-MCI            | ABLP-123S-MCI-TL                         |

# ABLP Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**3000 Kg**



Top Plate  
175 x 140 mm



Bolt Hole Centres  
140 x 105 mm



Attaching Bolt Size  
12 mm

**+WHEEL**

## DF Drop Forged Steel Wheels


Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions •  
 Extremely easy to manoeuvre • Abrasion Resistant •  
 Oil Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| <b>3000</b>            | 150                 | 75               | 212                 | 128                | 150                   | ABLP-63R-DF             | ABLP-63S-DF              | ABLP-63S-DF-TL                           |
| <b>3000</b>            | 200                 | 75               | 264                 | 167                | 167                   | ABLP-83R-DF             | ABLP-83S-DF              | ABLP-83S-DF-TL                           |
| <b>3000</b>            | 250                 | 75               | 314                 | 210                | 210                   | ABLP-103R-DF            | ABLP-103S-DF             | ABLP-103S-DF-TL                          |



 **Max Load Capacity**  
**3000 Kg**

 **Top Plate**  
175 x140 mm

 **Bolt Hole Centres**  
140 x 105 mm

 **Attaching Bolt Size**  
12 mm

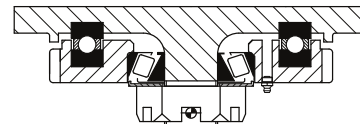
 **Fork Legs (Thickness)**  
8 mm

 **Fork Spacing**  
65 mm x 2

 **Wheel Axle**  
20 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Combination of Precision Thrust Bearing & Tapered Roller Bearing in Swivel Head.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during usage.
- Fork Legs: cylindrically formed, robotically welded inside & outside.



**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

**AVAILABLE FINISHES**

- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated



| +WHEELS   | MATERIAL                          | PAGE |
|-----------|-----------------------------------|------|
| SAS       | Polyurethane                      | 36   |
| SZS-HR-CI | Highly Resilient Polyurethane     | 36   |
| SZS-HR-TT | Elastic Polyurethane              | 37   |
| ME-HR     | Low Effort Ergonomic Polyurethane | 37   |
| SFS       | Solid Elastomer                   | 38   |
| MCNY      | Cast Polyamide                    | 38   |
| MCI       | Cast Iron                         | 39   |
| DF        | Drop Forged Steel                 | 39   |



## DABLP Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**3000 Kg**



Top Plate  
175 x 140 mm



Bolt Hole Centres  
140 x 105 mm



Attaching Bolt Size  
12 mm

+WHEEL

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>900</b>             | 125                 | 50 x 2           | 185                 | 122                | 202                     | DABLP-522R-SAS          | DABLP-522S-SAS           | DABLP-522S-SAS-FWFB                                  |
| <b>1500</b>            | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-SAS          | DABLP-622S-SAS           | DABLP-622S-SAS-FWFB                                  |
| <b>2000</b>            | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-SAS          | DABLP-822S-SAS           | DABLP-822S-SAS-FWFB                                  |
| <b>2400</b>            | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-SAS         | DABLP-1022S-SAS          | DABLP-1022S-SAS-FWFB                                 |
| <b>2800</b>            | 300                 | 50 x 2           | 365                 | 240                | 320                     | DABLP-1222R-SAS         | DABLP-1222S-SAS          | DABLP-1222S-SAS-FWFB                                 |

+WHEEL

### SZS-HR-CI Elastic Polyurethane Wheels

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing up to 12 km/hr  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Face Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|---|
| <b>1000</b>            | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-SZS-HR-CI    | DABLP-622S-SZS-HR-CI     | DABLP-622S-SZS-HR-CI-FWFB                           |
| <b>1100</b>            | 160                 | 50 x 2           | 217                 | 145                | 220                     | DABLP-160R-SZS-HR-CI    | DABLP-160S-SZS-HR-CI     | DABLP-160S-SZS-HR-CI-FWFB                           |
| <b>1400</b>            | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-SZS-HR-CI    | DABLP-822S-SZS-HR-CI     | DABLP-822S-SZS-HR-CI-FWFB                           |
| <b>1500</b>            | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-SZS-HR-CI   | DABLP-1022S-SZS-HR-CI    | DABLP-1022S-SZS-HR-CI-FWFB                          |

## DABLP Forged Twin-Wheel Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
**3000 Kg**

**Top Plate**  
175 x 140 mm

**Bolt Hole Centres**  
140 x 105 mm

**Attaching Bolt Size**  
12 mm

**+WHEEL**

### SZS-HR-TT Highly Resilient Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing • Power Towing up to 12 km/hr  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects •



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>700</b>             | 125                 | 50 x 2           | 185                 | 122                | 202                     | DABLP-522R-SZS-HR-TT    | DABLP-522S-SZS-HR-TT     | DABLP-522S-SZS-HR-TT-FWFB                            |
| <b>900</b>             | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-SZS-HR-TT    | DABLP-622S-SZS-HR-TT     | DABLP-622S-SZS-HR-TT-FWFB                            |
| <b>1300</b>            | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-SZS-HR-TT    | DABLP-822S-SZS-HR-TT     | DABLP-822S-SZS-HR-TT-FWFB                            |
| <b>1500</b>            | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-SZS-HR-TT   | DABLP-1022S-SZS-HR-TT    | DABLP-1022S-SZS-HR-TT-FWFB                           |
| <b>2100</b>            | 300                 | 50 x 2           | 365                 | 240                | 320                     | DABLP-1222R-SZS-HR-TT   | DABLP-1222S-SZS-HR-TT    | DABLP-1222S-SZS-HR-TT-FWFB                           |

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material ..... Polyurethane 83°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design with a Curved Tread



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>900</b>             | 125                 | 50 x 2           | 185                 | 122                | 202                     | DABLP-522R-ME-HR        | DABLP-522S-ME-HR         | DABLP-522S-ME-HR-FWFB                                |
| <b>1150</b>            | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-ME-HR        | DABLP-622S-ME-HR         | DABLP-622S-ME-HR-FWFB                                |
| <b>1550</b>            | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-ME-HR        | DABLP-822S-ME-HR         | DABLP-822S-ME-HR-FWFB                                |
| <b>1700</b>            | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-ME-HR       | DABLP-1022S-ME-HR        | DABLP-1022S-ME-HR-FWFB                               |
| <b>2100</b>            | 300                 | 50 x 2           | 365                 | 240                | 320                     | DABLP-1222R-ME-HR       | DABLP-1222S-ME-HR        | DABLP-1222S-ME-HR-FWFB                               |

## DABLP Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**3000 Kg**

Top Plate  
175 x 140 mm

Bolt Hole Centres  
140 x 105 mm

Attaching Bolt Size  
12 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>1000</b>            | 125                 | 50 x 2           | 185                 | 122                | 202                     | DABLP-522R-SFS          | DABLP-522S-SFS           | DABLP-522S-SFS-FWFB                                  |
| <b>1350</b>            | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-SFS          | DABLP-622S-SFS           | DABLP-622S-SFS-FWFB                                  |
| <b>1600</b>            | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-SFS          | DABLP-822S-SFS           | DABLP-822S-SFS-FWFB                                  |
| <b>2000</b>            | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-SFS         | DABLP-1022S-SFS          | DABLP-1022S-SFS-FWFB                                 |
| <b>2300</b>            | 300                 | 50 x 2           | 365                 | 240                | 320                     | DABLP-1222R-SFS         | DABLP-1222S-SFS          | DABLP-1222S-SFS-FWFB                                 |

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>3000</b>            | 125                 | 55 x 2           | 185                 | 122                | 202                     | DABLP-522R-MCNY         | DABLP-522S-MCNY          | DABLP-522S-MCNY-FWFB                                 |
| <b>3000</b>            | 150                 | 55 x 2           | 212                 | 140                | 220                     | DABLP-622R-MCNY         | DABLP-622S-MCNY          | DABLP-622S-MCNY-FWFB                                 |
| <b>3000</b>            | 200                 | 55 x 2           | 264                 | 177                | 257                     | DABLP-822R-MCNY         | DABLP-822S-MCNY          | DABLP-822S-MCNY-FWFB                                 |
| <b>3000</b>            | 250                 | 55 x 2           | 314                 | 212                | 292                     | DABLP-1022R-MCNY        | DABLP-1022S-MCNY         | DABLP-1022S-MCNY-FWFB                                |
| <b>3000</b>            | 300                 | 55 x 2           | 365                 | 240                | 320                     | DABLP-1222R-MCNY        | DABLP-1222S-MCNY         | DABLP-1222S-MCNY-FWFB                                |

## DABLP Forged Twin-Wheel Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
**3000 Kg**

**Top Plate**  
175 x 140 mm

**Bolt Hole Centres**  
140 x 105 mm

**Attaching Bolt Size**  
12 mm

**+WHEEL**

### MCI Cast Iron Wheels

Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads • Abrasion Resistant • Oil Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 1100                   | 125                 | 50 x 2           | 185                 | 122                | 202                     | DABLP-522R-MCI          | DABLP-522S-MCI           | DABLP-522S-MCI-FWFB                                  |
| 1600                   | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-MCI          | DABLP-622S-MCI           | DABLP-622S-MCI-FWFB                                  |
| 2000                   | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-MCI          | DABLP-822S-MCI           | DABLP-822S-MCI-FWFB                                  |
| 3000                   | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-MCI         | DABLP-1022S-MCI          | DABLP-1022S-MCI-FWFB                                 |
| 3000                   | 300                 | 50 x 2           | 365                 | 240                | 320                     | DABLP-1222R-MCI         | DABLP-1222S-MCI          | DABLP-1222S-MCI-FWFB                                 |

**+WHEEL**

### DF Drop Forged Steel Wheels

Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions • Extremely easy to manoeuvre • Abrasion Resistant • Oil Resistant




| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Brake (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 2000                   | 125                 | 50 x 2           | 185                 | 122                | 202                     | DABLP-522R-DF           | DABLP-522S-DF            | DABLP-522S-DF-FWFB                                   |
| 3000                   | 150                 | 50 x 2           | 212                 | 140                | 220                     | DABLP-622R-DF           | DABLP-622S-DF            | DABLP-622S-DF-FWFB                                   |
| 3000                   | 200                 | 50 x 2           | 264                 | 177                | 257                     | DABLP-822R-DF           | DABLP-822S-DF            | DABLP-822S-DF-FWFB                                   |
| 3000                   | 250                 | 50 x 2           | 314                 | 212                | 292                     | DABLP-1022R-DF          | DABLP-1022S-DF           | DABLP-1022S-DF-FWFB                                  |

# ABE50 Forged Precision Bearing Kingpin Type Castors



 **Max Load Capacity**  
5000 Kg


 **Top Plate**  
200 x 160 mm

 **Bolt Hole Centres**  
160 x 120 mm

 **Attaching Bolt Size**  
16 mm

 **Fork Legs (Thickness)**  
10 mm

 **Fork Spacing**  
90 mm

 **Wheel Axle**  
25 mm

## FORK CONSTRUCTION

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Swivel Head: Combination of Precision Thrust Bearing & Tapered Roller Bearing.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during usage.
- Fork Legs: robotically welded inside & outside.

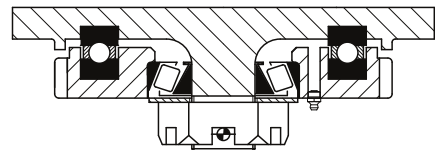
## FORK TYPES

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

## OPTIONS

- 4-way Directional Lock
- Wheel Face Brake

## SWIVEL HEAD SECTION



## AVAILABLE FINISHES

ROHS Compliant    Black Polymer Coated    Bright Zinc Plated



| +WHEELS   | MATERIAL             | PAGE |
|-----------|----------------------|------|
| SAS       | Polyurethane         | 41   |
| SZS-HR-TT | Elastic Polyurethane | 41   |
| SFS       | Solid Elastomer      | 42   |
| MCNY      | Cast Polyamide       | 42   |
| DF        | Drop Forged Steel    | 43   |

## ABE50 Forged Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
**5000 Kg**

**Top Plate**  
200 x 160 mm

**Bolt Hole Centres**  
160 x 120 mm

**Attaching Bolt Size**  
16 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static · ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors · Power Towing  
 Highlights ..... Non-marking · Noiseless Running · Low Rolling Resistance · Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 1050                   | 150                 | 75               | 212                 | 136                | 226                     | ABE50-63R-SAS           | ABE50-63S-SAS            | ABE50-63S-SAS-FWFB                                   |
| 1400                   | 200                 | 75               | 264                 | 165                | 255                     | ABE50-83R-SAS           | ABE50-83S-SAS            | ABE50-83S-SAS-FWFB                                   |
| 1800                   | 250                 | 75               | 314                 | 203                | 293                     | ABE50-103R-SAS          | ABE50-103S-SAS           | ABE50-103S-SAS-FWFB                                  |
| 2200                   | 300                 | 75               | 375                 | 224                | 314                     | ABE50-123R-SAS          | ABE50-123S-SAS           | ABE50-123S-SAS-FWFB                                  |
| 2500                   | 400                 | 75               | 475                 | 300                | 390                     | ABE50-163R-SAS          | ABE50-163S-SAS           | ABE50-163S-SAS-FWFB                                  |

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static · ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors · Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' · Flex and Roll over Debris without picking up objects · High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 800                    | 150                 | 75               | 212                 | 136                | 226                     | ABE50-63R-SZS-HR-TT     | ABE50-63S-SZS-HR-TT      | ABE50-63S-SZS-HR-TT-FWFB                             |
| 1100                   | 200                 | 75               | 264                 | 165                | 255                     | ABE50-83R-SZS-HR-TT     | ABE50-83S-SZS-HR-TT      | ABE50-83S-SZS-HR-TT-FWFB                             |
| 1400                   | 250                 | 75               | 314                 | 203                | 293                     | ABE50-103R-SZS-HR-TT    | ABE50-103S-SZS-HR-TT     | ABE50-103S-SZS-HR-TT-FWFB                            |
| 1600                   | 300                 | 75               | 375                 | 224                | 314                     | ABE50-123R-SZS-HR-TT    | ABE50-123S-SZS-HR-TT     | ABE50-123S-SZS-HR-TT-FWFB                            |

## ABE50 Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**5000 Kg**

Top Plate  
200 x 160 mm

Bolt Hole Centres  
160 x 120 mm

Attaching Bolt Size  
16 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>1100</b>            | 150                 | 75               | 212                 | 136                | 226                     | ABE50-63R-SFS           | ABE50-63S-SFS            | ABE50-63S-SFS-FWFB                                   |
| <b>1150</b>            | 200                 | 75               | 264                 | 165                | 255                     | ABE50-83R-SFS           | ABE50-83S-SFS            | ABE50-83S-SFS-FWFB                                   |
| <b>1350</b>            | 250                 | 75               | 314                 | 203                | 293                     | ABE50-103R-SFS          | ABE50-103S-SFS           | ABE50-103S-SFS-FWFB                                  |
| <b>1600</b>            | 300                 | 75               | 375                 | 224                | 314                     | ABE50-123R-SFS          | ABE50-123S-SFS           | ABE50-123S-SFS-FWFB                                  |
| <b>2000</b>            | 300                 | 100              | 375                 | 235                | 390                     | ABE50-124R-SFS          | ABE50-124S-SFS           | ABE50-124S-SFS-FWFB                                  |

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>3000</b>            | 150                 | 75               | 212                 | 136                | 226                     | ABE50-63R-MCNY          | ABE50-63S-MCNY           | ABE50-63S-MCNY-FWFB                                  |
| <b>4500</b>            | 200                 | 75               | 264                 | 165                | 255                     | ABE50-83R-MCNY          | ABE50-83S-MCNY           | ABE50-83S-MCNY-FWFB                                  |
| <b>5000</b>            | 250                 | 75               | 314                 | 203                | 293                     | ABE50-103R-MCNY         | ABE50-103S-MCNY          | ABE50-103S-MCNY-FWFB                                 |
| <b>5000</b>            | 300                 | 75               | 375                 | 224                | 314                     | ABE50-123R-MCNY         | ABE50-123S-MCNY          | ABE50-123S-MCNY-FWFB                                 |
| <b>5000</b>            | 400                 | 75               | 475                 | 300                | 390                     | ABE50-163R-MCNY         | ABE50-163S-MCNY          | ABE50-163S-MCNY-FWFB                                 |

# ABE50 Forged Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
**5000 Kg**

**Top Plate**  
200 x 160 mm

**Bolt Hole Centres**  
160 x 120 mm

**Attaching Bolt Size**  
16 mm

**+WHEEL**

## DF Drop Forged Steel Wheels

Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions •  
 Extremely easy to manoeuvre • Abrasion Resistant •  
 Oil Resistant




| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>3000</b>            | 150                 | 75               | 212                 | 136                | 226                     | ABE50-63R-DF            | ABE50-63S-DF             | ABE50-63S-DF-FWFB                                    |
| <b>3100</b>            | 200                 | 75               | 264                 | 165                | 255                     | ABE50-83R-DF            | ABE50-83S-DF             | ABE50-83S-DF-FWFB                                    |
| <b>4500</b>            | 250                 | 75               | 314                 | 203                | 293                     | ABE50-103R-DF           | ABE50-103S-DF            | ABE50-103S-DF-FWFB                                   |





 **Max Load Capacity**  
5000 Kg

 **Top Plate**  
200 x 160 mm

 **Bolt Hole Centres**  
160 x 120 mm

 **Attaching Bolt Size**  
16 mm

 **Fork Legs (Thickness)**  
10 mm

 **Fork Spacing**  
90 mm x 2

 **Wheel Axle**  
25 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Swivel Head: Combination of Precision Thrust Bearing & Tapered Roller Bearing.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during usage.
- Fork Legs: robotically welded inside & outside.

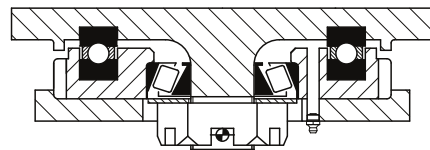
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated



| +WHEELS   | MATERIAL             | PAGE |
|-----------|----------------------|------|
| SAS       | Polyurethane         | 45   |
| SZS-HR-TT | Elastic Polyurethane | 45   |
| SFS       | Solid Elastomer      | 46   |
| MCNY      | Cast Polyamide       | 46   |
| DF        | Drop Forged Steel    | 47   |

## DABE50 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**5000 Kg**



Top Plate  
200 x 160 mm



Bolt Hole Centres  
160 x 120 mm



Attaching Bolt Size  
16 mm

+WHEEL

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                         |                         |                          |  |
| <b>2100</b>            | 150                 | 75 x 2           | 212                 | 165                | 245                     | DABE50-63R-SAS          | DABE50-63S-SAS           | DABE50-63S-SAS-FWFB                                  |
| <b>2800</b>            | 200                 | 75 x 2           | 264                 | 196                | 276                     | DABE50-83R-SAS          | DABE50-83S-SAS           | DABE50-83S-SAS-FWFB                                  |
| <b>3600</b>            | 250                 | 75 x 2           | 314                 | 220                | 300                     | DABE50-103R-SAS         | DABE50-103S-SAS          | DABE50-103S-SAS-FWFB                                 |
| <b>4400</b>            | 300                 | 75 x 2           | 375                 | 238                | 318                     | DABE50-123R-SAS         | DABE50-123S-SAS          | DABE50-123S-SAS-FWFB                                 |
| <b>5000</b>            | 400                 | 75 x 2           | 475                 | 315                | 395                     | DABE50-163R-SAS         | DABE50-163S-SAS          | DABE50-163S-SAS-FWFB                                 |

+WHEEL

### SZS-HR-TT Elastic Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                         |                         |                          |  |
| <b>1600</b>            | 150                 | 75 x 2           | 212                 | 165                | 245                     | DABE50-63R-SZS-HR-TT    | DABE50-63S-SZS-HR-TT     | DABE50-63S-SZS-HR-TT-FWFB                            |
| <b>2200</b>            | 200                 | 75 x 2           | 264                 | 196                | 276                     | DABE50-83R-SZS-HR-TT    | DABE50-83S-SZS-HR-TT     | DABE50-83S-SZS-HR-TT-FWFB                            |
| <b>2800</b>            | 250                 | 75 x 2           | 314                 | 220                | 300                     | DABE50-103R-SZS-HR-TT   | DABE50-103S-SZS-HR-TT    | DABE50-103S-SZS-HR-TT-FWFB                           |
| <b>3200</b>            | 300                 | 75 x 2           | 375                 | 238                | 318                     | DABE50-123R-SZS-HR-TT   | DABE50-123S-SZS-HR-TT    | DABE50-123S-SZS-HR-TT-FWFB                           |
| <b>5000</b>            | 400                 | 75 x 2           | 475                 | 315                | 395                     | DABE50-163R-SZS-HR-TT   | DABE50-163S-SZS-HR-TT    | DABE50-163S-SZS-HR-TT-FWFB                           |

## DABE50 Forged Twin-Wheel Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
**5000 Kg**

**Top Plate**  
200 x 160 mm

**Bolt Hole Centres**  
160 x 120 mm

**Attaching Bolt Size**  
16 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material..... Polyurethane 73°±3° Shore D  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature..... -20°C to +85°C  
 Tread Options..... Anti-static / Conductive Treads  
 Usage..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>2200</b>            | 150                 | 75 x 2           | 212                 | 165                | 245                     | DABE50-63R-SFS          | DABE50-63S-SFS           | DABE50-63S-SFS-FWFB                                  |
| <b>2300</b>            | 200                 | 75 x 2           | 264                 | 196                | 276                     | DABE50-83R-SFS          | DABE50-83S-SFS           | DABE50-83S-SFS-FWFB                                  |
| <b>2700</b>            | 250                 | 75 x 2           | 314                 | 220                | 300                     | DABE50-103R-SFS         | DABE50-103S-SFS          | DABE50-103S-SFS-FWFB                                 |
| <b>3200</b>            | 300                 | 75 x 2           | 375                 | 238                | 318                     | DABE50-123R-SFS         | DABE50-123S-SFS          | DABE50-123S-SFS-FWFB                                 |

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material..... Cast Polyamide  
 Bearings..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature..... -30°C to +80°C  
 Highlights..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>5000</b>            | 150                 | 80 x 2           | 212                 | 165                | 245                     | DABE50-63R-MCNY         | DABE50-63S-MCNY          | DABE50-63S-MCNY-FWFB                                 |
| <b>5000</b>            | 200                 | 80 x 2           | 264                 | 196                | 276                     | DABE50-83R-MCNY         | DABE50-83S-MCNY          | DABE50-83S-MCNY-FWFB                                 |
| <b>5000</b>            | 250                 | 80 x 2           | 314                 | 220                | 300                     | DABE50-103R-MCNY        | DABE50-103S-MCNY         | DABE50-103S-MCNY-FWFB                                |
| <b>5000</b>            | 300                 | 80 x 2           | 375                 | 238                | 318                     | DABE50-163R-MCNY        | DABE50-163S-MCNY         | DABE50-163S-MCNY-FWFB                                |
| <b>5000</b>            | 400                 | 100 x 2          | 475                 | 315                | 395                     | DABE50-164R-MCNY        | DABE50-164S-MCNY         | DABE50-164S-MCNY-FWFB                                |

## DABE50 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**5000 Kg**



Top Plate  
200 x 160 mm



Bolt Hole Centres  
160 x 120 mm



Attaching Bolt Size  
16 mm

**+WHEEL**

### DF Drop Forged Steel Wheels


Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions · Extremely easy to manoeuvre · Abrasion Resistant · Oil Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                         |                         |                          |  |
| <b>5000</b>            | 150                 | 75 x 2           | 212                 | 165                | 245                     | DABE50-63R-DF           | DABE50-63S-DF            | DABE50-63S-DF-FWFB                                   |
| <b>5000</b>            | 200                 | 75 x 2           | 264                 | 196                | 276                     | DABE50-83R-DF           | DABE50-83S-DF            | DABE50-83S-DF-FWFB                                   |
| <b>5000</b>            | 250                 | 75 x 2           | 314                 | 220                | 300                     | DABE50-103R-DF          | DABE50-103S-DF           | DABE50-103S-DF-FWFB                                  |



 **Max Load Capacity**  
**7500 Kg**

 **Top Plate**  
255 x 200 mm

 **Bolt Hole Centres**  
210 x 160 mm

 **Attaching Bolt Size**  
16 mm

 **Fork Legs (Thickness)**  
12 mm

 **Fork Spacing**  
114 mm

 **Wheel Axle**  
30 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Combination of Precision Thrust Bearing & Tapered Roller Bearing in the Swivel Head.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during usage.
- Fork Legs: 12 mm thick robotically welded inside & outside.

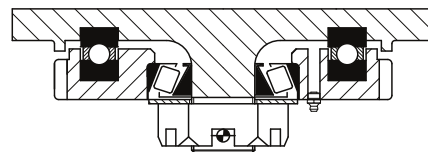
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

ROHS Compliant      Black Polymer Coated      Bright Zinc Plated



| +WHEELS   | MATERIAL             | PAGE |
|-----------|----------------------|------|
| SAS       | Polyurethane         | 49   |
| SZS-HR-TT | Elastic Polyurethane | 49   |
| SFS       | Solid Elastomer      | 50   |
| MCNY      | Cast Polyamide       | 50   |
| DF        | Drop Forged Steel    | 51   |

## ABE75 Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**7500 Kg**



Top Plate  
255 x 200 mm



Bolt Hole Centres  
210 x 160 mm



Attaching Bolt Size  
16 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>1800</b>            | 200                 | 100              | 280                 | 172                | 257                     | ABE75-84R-SAS           | ABE75-84S-SAS            | ABE75-84S-SAS-FWFB                                   |
| <b>2200</b>            | 250                 | 100              | 330                 | 200                | 285                     | ABE75-104R-SAS          | ABE75-104S-SAS           | ABE75-104S-SAS-FWFB                                  |
| <b>2800</b>            | 300                 | 100              | 395                 | 243                | 328                     | ABE75-124R-SAS          | ABE75-124S-SAS           | ABE75-124S-SAS-FWFB                                  |
| <b>3500</b>            | 400                 | 100              | 495                 | 305                | 390                     | ABE75-164R-SAS          | ABE75-164S-SAS           | ABE75-164S-SAS-FWFB                                  |

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>1400</b>            | 200                 | 100              | 280                 | 172                | 257                     | ABE75-84R-SZS-HR-TT     | ABE75-84S-SZS-HR-TT      | ABE75-84S-SZS-HR-TT-FWFB                             |
| <b>1600</b>            | 250                 | 100              | 330                 | 200                | 285                     | ABE75-104R-SZS-HR-TT    | ABE75-104S-SZS-HR-TT     | ABE75-104S-SZS-HR-TT-FWFB                            |
| <b>2100</b>            | 300                 | 100              | 395                 | 243                | 328                     | ABE75-124R-SZS-HR-TT    | ABE75-124S-SZS-HR-TT     | ABE75-124S-SZS-HR-TT-FWFB                            |

## ABE75 Forged Precision Bearing Kingpin Type Castors

**Max Load Capacity**  
**7500 Kg**

**Top Plate**  
255 x 200 mm

**Bolt Hole Centres**  
210 x 160 mm

**Attaching Bolt Size**  
16 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 1400                   | 200                 | 100              | 280                 | 172                | 257                     | ABE75-84R-SFS           | ABE75-84S-SFS            | ABE75-84S-SFS-FWFB                                   |
| 1900                   | 250                 | 100              | 330                 | 200                | 285                     | ABE75-104R-SFS          | ABE75-104S-SFS           | ABE75-104S-SFS-FWFB                                  |
| 2050                   | 300                 | 100              | 395                 | 243                | 328                     | ABE75-124R-SFS          | ABE75-124S-SFS           | ABE75-124S-SFS-FWFB                                  |

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 4500                   | 200                 | 80               | 280                 | 172                | 257                     | ABE75-83R-MCNY          | ABE75-83S-MCNY           | ABE75-83S-MCNY-FWFB                                  |
| 7500                   | 250                 | 100              | 330                 | 200                | 285                     | ABE75-104R-MCNY         | ABE75-104S-MCNY          | ABE75-104S-MCNY-FWFB                                 |
| 7500                   | 300                 | 100              | 395                 | 243                | 328                     | ABE75-124R-MCNY         | ABE75-124S-MCNY          | ABE75-124S-MCNY-FWFB                                 |

# ABE75 Forged Precision Bearing Kingpin Type Castors



Max Load Capacity  
**7500 Kg**



Top Plate  
255 x 200 mm



Bolt Hole Centres  
210 x 160 mm



Attaching Bolt Size  
16 mm

**+WHEEL**

## DF Drop Forged Steel Wheels

Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions · Extremely easy to manoeuvre · Abrasion Resistant · Oil Resistant




| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                         |                         |                          |  |
| <b>6800</b>            | 200                 | 100              | 280                 | 172                | 257                     | ABE75-84R-DF            | ABE75-84S-DF             | ABE75-84S-DF-FWFB                                    |
| <b>7500</b>            | 250                 | 100              | 330                 | 200                | 285                     | ABE75-104R-DF           | ABE75-104S-DF            | ABE75-104S-DF-FWFB                                   |
| <b>7500</b>            | 300                 | 100              | 395                 | 243                | 328                     | ABE75-124R-DF           | ABE75-124S-DF            | ABE75-124S-DF-FWFB                                   |



# DABE75 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



 **Max Load Capacity**  
**7500 Kg**

 **Top Plate**  
255 x 200 mm

 **Bolt Hole Centres**  
210 x 160 mm

 **Attaching Bolt Size**  
16 mm

 **Fork Legs (Thickness)**  
12 mm

 **Fork Spacing**  
114 mm x 2

 **Wheel Axle**  
30 mm

## FORK CONSTRUCTION

- Forged Single piece alloy steel top plate with an integrally forged kingpin and forged fork base.
- Totally Sealed Swivel Head with grease nipple.
- Combination of Precision Thrust Bearing & Tapered Roller Bearing in the Swivel Head.
- Slotted Nut & Cotter Pin arrangement to adjust swivel head play during usage.
- Fork Legs: 12 mm thick robotically welded inside & outside.

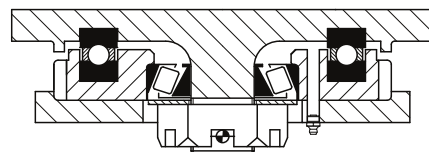
## FORK TYPES

-  Rigid Fork    
  Swivel Fork    
  Swivel Fork with Brake

## OPTIONS

- 4-way Directional Lock
- Wheel Face Brake

## SWIVEL HEAD SECTION



## AVAILABLE FINISHES

ROHS Compliant     Black Polymer Coated     Bright Zinc Plated



| +WHEELS   | MATERIAL             | PAGE |
|-----------|----------------------|------|
| SAS       | Polyurethane         | 53   |
| SZS-HR-TT | Elastic Polyurethane | 53   |
| SFS       | Solid Elastomer      | 54   |
| MCNY      | Cast Polyamide       | 54   |
| DF        | Drop Forged Steel    | 55   |

## DABE75 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**7500 Kg**



Top Plate  
255 X 200 mm



Bolt Hole Centres  
210 x 160 mm



Attaching Bolt Size  
16 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options .... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>2100</b>            | 150                 | 75 x 2           | 230                 | 160                | 240                     | DABE75-63R-SAS          | DABE75-63S-SAS           | DABE75-63S-SAS-FWFB                                  |
| <b>3600</b>            | 200                 | 100 x 2          | 280                 | 200                | 280                     | DABE75-84R-SAS          | DABE75-84S-SAS           | DABE75-84S-SAS-FWFB                                  |
| <b>4400</b>            | 250                 | 100 x 2          | 330                 | 225                | 305                     | DABE75-104R-SAS         | DABE75-104S-SAS          | DABE75-104S-SAS-FWFB                                 |
| <b>5600</b>            | 300                 | 100 x 2          | 395                 | 260                | 340                     | DABE75-124R-SAS         | DABE75-124S-SAS          | DABE75-124S-SAS-FWFB                                 |
| <b>7000</b>            | 400                 | 100 x 2          | 495                 | 320                | 400                     | DABE75-164R-SAS         | DABE75-164S-SAS          | DABE75-164S-SAS-FWFB                                 |

**+WHEEL**

### SZS-HR-TT Elastic Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options .... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>2800</b>            | 200                 | 100 x 2          | 280                 | 200                | 280                     | DABE75-84R-SZS-HR-TT    | DABE75-84S-SZS-HR-TT     | DABE75-84S-SZS-FWFB                                  |
| <b>3200</b>            | 250                 | 100 x 2          | 330                 | 225                | 305                     | DABE75-104R-SZS-HR-TT   | DABE75-104S-SZS-HR-TT    | DABE75-104S-SZS-FWFB                                 |
| <b>4000</b>            | 300                 | 100 x 2          | 395                 | 260                | 340                     | DABE75-124R-SZS-HR-TT   | DABE75-124S-SZS-HR-TT    | DABE75-124S-SZS-FWFB                                 |
| <b>5200</b>            | 400                 | 100 x 2          | 495                 | 320                | 400                     | DABE75-164R-SZS-HR-TT   | DABE75-164S-SZS-HR-TT    | DABE75-164S-SZS-FWFB                                 |

## DABE75 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**7500 Kg**

Top Plate  
255 X 200 mm

Bolt Hole Centres  
210 x 160 mm

Attaching Bolt Size  
16 mm

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>2800</b>            | 200                 | 100 x 2          | 280                 | 200                | 280                     | DABE75-84R-SFS          | DABE75-84S-SFS           | DABE75-84S-SFS-FWFB                                  |
| <b>3800</b>            | 250                 | 100 x 2          | 330                 | 225                | 305                     | DABE75-104R-SFS         | DABE75-104S-SFS          | DABE75-104S-SFS-FWFB                                 |
| <b>4100</b>            | 300                 | 100 x 2          | 395                 | 260                | 340                     | DABE75-124R-SFS         | DABE75-124S-SFS          | DABE75-124S-SFS-FWFB                                 |

**+WHEEL**

### MCNY Cast Polyamide Wheels

Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>7500</b>            | 200                 | 80 x 2           | 280                 | 200                | 280                     | DABE75-83R-MCNY         | DABE75-83S-MCNY          | DABE75-83S-MCNY-FWFB                                 |
| <b>7500</b>            | 250                 | 100 x 2          | 330                 | 225                | 305                     | DABE75-104R-MCNY        | DABE75-104S-MCNY         | DABE75-104S-MCNY-FWFB                                |
| <b>7500</b>            | 300                 | 100 x 2          | 395                 | 260                | 340                     | DABE75-124R-MCNY        | DABE75-124S-MCNY         | DABE75-124S-MCNY-FWFB                                |

## DABE75 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**7500 Kg**



Top Plate  
255 X 200 mm



Bolt Hole Centres  
210 x 160 mm



Attaching Bolt Size  
16 mm

**+WHEEL**

### DF Drop Forged Steel Wheels

Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions · Extremely easy to manoeuvre · Abrasion Resistant · Oil Resistant



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                         |                         |                          |  |
| <b>6200</b>            | 150                 | 75 x 2           | 230                 | 160                | 240                     | DABE75-63R-DF           | DABE75-63S-DF            | DABE75-63S-DF-FWFB                                   |
| <b>7500</b>            | 200                 | 75 x 2           | 280                 | 200                | 280                     | DABE75-83R-DF           | DABE75-83S-DF            | DABE75-83S-DF-FWFB                                   |
| <b>7500</b>            | 250                 | 75 x 2           | 330                 | 225                | 305                     | DABE75-103R-DF          | DABE75-103S-DF           | DABE75-103S-DF-FWFB                                  |



Max Load Capacity  
**11000 Kg**



Top Plate  
365 mm Dia



Bolt Hole Centres  
4 Holes at 300 mm PCD



Attaching Bolt Size  
24 mm



Wheel Axle  
40 mm

**FORK CONSTRUCTION**

- Extra Heavy Duty Fabricated Steel Top Plate and Fork Base.
- Totally Sealed Swivel Head with grease nipple.
- Combination of Opposed Spherical Roller Thrust Bearings in Swivel Head to allow easy swiveling in the most punishing conditions.

**FORK TYPES**

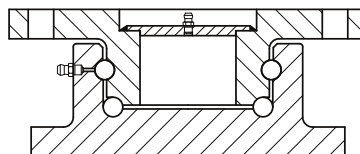


Rigid Fork



Swivel Fork

**SWIVEL HEAD SECTION**



**OPTION**

- 4-way Directional Lock

**+WHEELS**

**MATERIAL**

**PAGE**

**SAS**

Polyurethane

57

## DABE100 Forged Twin-Wheel Precision Bearing Kingpin Type Castors



Max Load Capacity  
**11000 Kg**



Top Plate  
365 mm Dia



Bolt Hole Centres  
4 Holes at 300 mm PCD



Attaching Bolt Size  
24 mm

**+WHEEL**

### SAS Polyurethane Wheels


Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance •  
 Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Dia (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) |
|------------------------|----------------|------------------|---------------------|--------------------|-------------------------|--------------------------|
| <b>11000</b>           | 450            | 125 x 2          | 570                 | 350                | DABE100-165R-SAS        | DABE100-165S-SAS         |



 Max Load Capacity  
**600 Kg**

 Top Plate  
138 X 110 mm

 Bolt Hole Centres  
105 x 75-80 mm

 Attaching Bolt Size  
10 mm

 Fork Legs (Thickness)  
6 mm

 Fork Spacing  
65 mm

 Wheel Axle  
12 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate with integrally forged kingpin for a robust design.
- Induction hardened and precision CNC Machined Raceways for swivel head longevity.
- Strong Elastomeric Spring Elements designed for specific load ranges to ensure Uniform Cushion Effect unlike Stiff Steel Springs.
- Fork Legs: robotically welded inside & outside

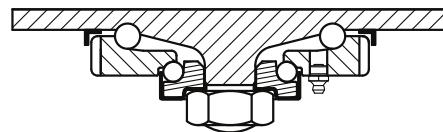
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated



| +WHEELS   | MATERIAL                             | PAGE |
|-----------|--------------------------------------|------|
| SAS       | Polyurethane                         | 59   |
| SZS-HR-AL | Highly Resilient Polyurethane        | 59   |
| SZS-HR-TT | Highly Resilient Polyurethane        | 60   |
| ME-HR     | Low Effort Ergonomic Polyurethane    | 60   |
| ME-SFS    | Polyurethane + Aluminum              | 61   |
| SFS       | Solid Elastomer                      | 61   |
| MEJ       | Polyurethane Wheels                  | 62   |
| SJAL      | Polyurethane Wheels + Aluminium Core | 62   |

## GGSE-SPR Spring-Loaded Forged Kingpin Type Castors



Max Load Capacity  
**600 Kg**

Top Plate  
138 x 110 mm

Bolt Hole Centres  
105 x 75-80 mm

Attaching Bolt Size  
10 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>400</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-SAS        | GGSE-SPR-42S-SAS         | GGSE-SPR-42S-SAS-FWFB                                |
| <b>550</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-SAS        | GGSE-SPR-52S-SAS         | GGSE-SPR-52S-SAS-FWFB                                |
| <b>600</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-SAS        | GGSE-SPR-62S-SAS         | GGSE-SPR-62S-SAS-FWFB                                |
| <b>600</b>             | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-SAS        | GGSE-SPR-82S-SAS         | GGSE-SPR-82S-SAS-FWFB                                |

**+WHEEL**

### SZS-HR-AL Highly Resilient Polyurethane Wheels

Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing up to 12 km/hr  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>350</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-SZS-HR-AL  | GGSE-SPR-42S-SZS-HR-AL   | GGSE-SPR-42S-SZS-HR-AL-FWFB                          |
| <b>400</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-SZS-HR-AL  | GGSE-SPR-52S-SZS-HR-AL   | GGSE-SPR-52S-SZS-HR-AL-FWFB                          |
| <b>500</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-SZS-HR-AL  | GGSE-SPR-62S-SZS-HR-AL   | GGSE-SPR-62S-SZS-HR-AL-FWFB                          |
| <b>600</b>             | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-SZS-HR-AL  | GGSE-SPR-82S-SZS-HR-AL   | GGSE-SPR-82S-SZS-HR-AL-FWFB                          |



## GGSE-SPR Spring-Loaded Forged Kingpin Type Castors



Max Load Capacity  
**600 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

**+WHEEL**

### SZS-HR-TT Highly Resilient Polyurethane Wheels

Material..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core..... Cast Iron  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>250</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GHKE-SPR-42R-SZS-HR-TT  | GHKE-SPR-42S-SZS-HR-TT   | GHKE-SPR-42S-SZS-HR-TT-FWFB                          |
| <b>350</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GHKE-SPR-52R-SZS-HR-TT  | GHKE-SPR-52S-SZS-HR-TT   | GHKE-SPR-52S-SZS-HR-TT-FWFB                          |
| <b>450</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GHKE-SPR-62R-SZS-HR-TT  | GHKE-SPR-62S-SZS-HR-TT   | GHKE-SPR-62S-SZS-HR-TT-FWFB                          |
| <b>600</b>             | 200             | 50               | 257                    | 237                      | 182                | 245                     | GHKE-SPR-82R-SZS-HR-TT  | GHKE-SPR-82S-SZS-HR-TT   | GHKE-SPR-82S-SZS-HR-TT-FWFB                          |

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material..... Polyurethane 83°±3° Shore A  
 Core..... Aluminium  
 Bearings..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors •  
 Highlights..... Floor Protective • Extremely Low Rolling Resistance • Ergonomic Design with a Curved Tread



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>350</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-ME-HR      | GGSE-SPR-42S-ME-HR       | GGSE-SPR-42S-ME-HR-FWFB                              |
| <b>450</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-ME-HR      | GGSE-SPR-52S-ME-HR       | GGSE-SPR-52S-ME-HR-FWFB                              |
| <b>575</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-ME-HR      | GGSE-SPR-62S-ME-HR       | GGSE-SPR-62S-ME-HR-FWFB                              |
| <b>600</b>             | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-ME-HR      | GGSE-SPR-82S-ME-HR       | GGSE-SPR-82S-ME-HR-FWFB                              |

# GGSE-SPR Spring-Loaded Forged Kingpin Type Castors

**Max Load Capacity**  
600 Kg

**Top Plate**  
138 x 110 mm

**Bolt Hole Centres**  
105 x 75-80 mm

**Attaching Bolt Size**  
10 mm

**+WHEEL**

## ME-SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth  
 Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 375                    | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-ME-SFS     | GGSE-SPR-42S-ME-SFS      | GGSE-SPR-42S-ME-SFS-FWFB                             |
| 500                    | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-ME-SFS     | GGSE-SPR-52S-ME-SFS      | GGSE-SPR-52S-ME-SFS-FWFB                             |
| 600                    | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-ME-SFS     | GGSE-SPR-62S-ME-SFS      | GGSE-SPR-62S-ME-SFS-FWFB                             |
| 600                    | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-ME-SFS     | GGSE-SPR-82S-ME-SFS      | GGSE-SPR-82S-ME-SFS-FWFB                             |

**+WHEEL**

## SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth  
 Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| 375                    | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-SFS        | GGSE-SPR-42S-SFS         | GGSE-SPR-42S-SFS-FWFB                                |
| 500                    | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-SFS        | GGSE-SPR-52S-SFS         | GGSE-SPR-52S-SFS-FWFB                                |
| 600                    | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-SFS        | GGSE-SPR-62S-SFS         | GGSE-SPR-62S-SFS-FWFB                                |
| 600                    | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-SFS        | GGSE-SPR-82S-SFS         | GGSE-SPR-82S-SFS-FWFB                                |

## GGSE-SPR Spring-Loaded Forged Kingpin Type Castors



Max Load Capacity  
**600 Kg**



Top Plate  
138 x 110 mm



Bolt Hole Centres  
105 x 75-80 mm



Attaching Bolt Size  
10 mm

+WHEEL

### MEJ Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Highlights ..... Noiseless Running • Non Marking • Floor Protective • Cost Effective

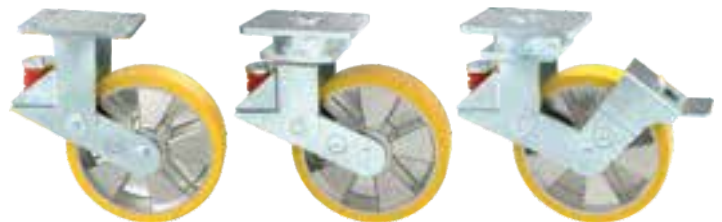


| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>250</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-MEJ        | GGSE-SPR-42S-MEJ         | GGSE-SPR-42S-MEJ-FWFB                                |
| <b>350</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-MEJ        | GGSE-SPR-52S-MEJ         | GGSE-SPR-52S-MEJ-FWFB                                |
| <b>450</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-MEJ        | GGSE-SPR-62S-MEJ         | GGSE-SPR-62S-MEJ-FWFB                                |
| <b>600</b>             | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-MEJ        | GGSE-SPR-82S-MEJ         | GGSE-SPR-82S-MEJ-FWFB                                |

+WHEEL

### SJAL Polyurethane Wheels with Aluminium Core


Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminum  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Highlights ..... Noiseless Running • Non Marking • Cost Effective



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>250</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GGSE-SPR-42R-SJAL       | GGSE-SPR-42S-SJAL        | GGSE-SPR-42S-SJAL-FWFB                               |
| <b>350</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GGSE-SPR-52R-SJAL       | GGSE-SPR-52S-SJAL        | GGSE-SPR-52S-SJAL-FWFB                               |
| <b>450</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GGSE-SPR-62R-SJAL       | GGSE-SPR-62S-SJAL        | GGSE-SPR-62S-SJAL-FWFB                               |
| <b>600</b>             | 200             | 50               | 265                    | 245                      | 182                | 245                     | GGSE-SPR-82R-SJAL       | GGSE-SPR-82S-SJAL        | GGSE-SPR-82S-SJAL-FWFB                               |



 Max Load Capacity  
**900 Kg**

 Top Plate  
138 X 110 mm

 Bolt Hole Centres  
105 x 75-80 mm

 Attaching Bolt Size  
10 mm

 Fork Legs (Thickness)  
6 mm

 Fork Spacing  
65 mm

 Wheel Axle  
12 mm

**FORK CONSTRUCTION**

- Forged Single piece alloy steel top plate and fork base for a robust design.
- Induction hardened & precision CNC Machined Raceways for swivel head longevity.
- Totally Sealed Swivel Head with Grease Nipple.
- Strong Elastomeric Spring Elements designed for specific load ranges to ensure Uniform Cushion Effect unlike Stiff Steel Springs.
- Fork Legs: robotically welded inside & outside

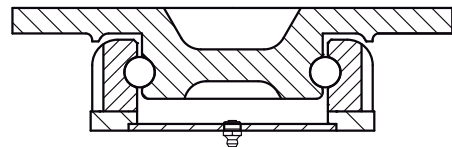
**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**OPTIONS**

- 4-way Directional Lock
- Wheel Face Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**


- ROHS Compliant
- Black Polymer Coated
- Bright Zinc Plated




| +WHEELS          | MATERIAL                                       | PAGE |
|------------------|--|------|
| <b>SAS</b>       | Polyurethane                                   | 64   |
| <b>SZS-HR-AL</b> | Highly Resilient Polyurethane + Aluminium Core | 64   |
| <b>SZS-HR-CI</b> | Highly Resilient Polyurethane + Aluminium Core | 65   |
| <b>SZS-HR-TT</b> | Highly Resilient Polyurethane + Cast Iron      | 65   |
| <b>ME-HR</b>     | Low Effort Ergonomic Polyurethane              | 66   |
| <b>ME-SFS</b>    | Elastomer + Aluminium Core                     | 66   |
| <b>SFS</b>       | Solid Elastomer                                | 67   |

## GHKE-SPR Spring-Loaded Forged Kingpinless Castors

 **Max Load Capacity**  
**900 Kg**

 **Top Plate**  
138 x 110 mm

 **Bolt Hole Centres**  
105 x 75-80 mm











 **Attaching Bolt Size**  
10 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors • Power Towing  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant













| Max Load Capacity (Kg)  | Wheel Dia. (mm)   | Tread Width (mm)  | Height at No Load (mm)  | Height at Full Load (mm)  | Swivel Radius (mm)  | Sw. Rad. with FWFB (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Front Wheel Face Break (Part No.)                                |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| <b>400</b>  | 100   | 50  | 165   | 145   | 115   | 180   | GHKE-SPR-42R-SAS  | GHKE-SPR-42S-SAS  | GHKE-SPR-42S-SAS-FWFB   |
| <b>550</b>  | 125   | 50  | 178   | 158   | 143   | 195   | GHKE-SPR-52R-SAS  | GHKE-SPR-52S-SAS  | GHKE-SPR-52S-SAS-FWFB   |
| <b>750</b>  | 150   | 50  | 203   | 183   | 165   | 200   | GHKE-SPR-62R-SAS  | GHKE-SPR-62S-SAS  | GHKE-SPR-62S-SAS-FWFB   |
| <b>900</b>  | 200   | 50  | 257   | 237   | 182   | 245   | GHKE-SPR-82R-SAS  | GHKE-SPR-82S-SAS  | GHKE-SPR-82S-SAS-FWFB   |

**+WHEEL**

### SZS HR-AL Polyurethane Wheels with Aluminium Core

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti - Static • ESD Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors • Power Towing up to 12 km-hr  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant • Cost Effective



| Max Load Capacity (Kg)  | Wheel Dia. (mm)   | Tread Width (mm)  | Height at No Load (mm)  | Height at Full Load (mm)  | Swivel Radius (mm)  | Sw. Rad. with FWFB (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Front Wheel Face Break (Part No.)                                  |
|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |
| <b>200</b>  | 100   | 40  | 165   | 145   | 115   | 180   | GHKE-SPR-415R-SZS-HR-AL   | GHKE-SPR-415S-SZS-HR-AL   | GHKE-SPR-415S-SZS-HR-AL-FWFB  |
| <b>400</b>  | 125   | 50  | 180   | 160   | 143   | 195   | GHKE-SPR-52R-SZS-HR-AL  | GHKE-SPR-52S-SZS-HR-AL  | GHKE-SPR-52S-SZS-HR-AL-FWFB   |
| <b>500</b>  | 150   | 50  | 203   | 183   | 165   | 200   | GHKE-SPR-62R-SZS-HR-AL  | GHKE-SPR-62S-SZS-HR-AL  | GHKE-SPR-62S-SZS-HR-AL-FWFB   |
| <b>550</b>  | 160   | 50  | 208   | 188   | 170   | 205   | GHKE-SPR-160R-SZS-HR-AL   | GHKE-SPR-160S-SZS-HR-AL   | GHKE-SPR-160S-SZS-HR-AL-FWFB  |
| <b>700</b>  | 200   | 50  | 257   | 237   | 182   | 245   | GHKE-SPR-82R-SZS-HR-AL  | GHKE-SPR-82S-SZS-HR-AL  | GHKE-SPR-82S-SZS-HR-AL-FWFB   |

## GHKE-SPR Spring-Loaded Forged Kingpinless Castors



**Max Load Capacity**  
**900 Kg**



**Top Plate**  
138 x 110 mm



**Bolt Hole Centres**  
105 x 75-80 mm



**Attaching Bolt Size**  
10 mm

**+WHEEL**

### SZS-HR-CI Highly Resilient Polyurethane Wheels

Material ..... Highly Resilient Polyurethane 85°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance



| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>400</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GHKE-SPR-52R-SZS-HR-CI  | GHKE-SPR-52S-SZS-HR-CI   | GHKE-SPR-52S-SZS-HR-CI-FWFB                          |
| <b>500</b>             | 150             | 50               | 203                    | 183                      | 140                | 200                     | GHKE-SPR-62R-SZS-HR-CI  | GHKE-SPR-62S-SZS-HR-CI   | GHKE-SPR-62S-SZS-HR-CI-FWFB                          |
| <b>550</b>             | 160             | 50               | 208                    | 188                      | 145                | 205                     | GHKE-SPR-160R-SZS-HR-CI | GHKE-SPR-160S-SZS-HR-CI  | GHKE-SPR-160S-SZS-HR-CI-FWFB                         |
| <b>700</b>             | 200             | 50               | 257                    | 237                      | 182                | 245                     | GHKE-SPR-82R-SZS-HR-CI  | GHKE-SPR-82S-SZS-HR-CI   | GHKE-SPR-82S-SZS-HR-CI-FWFB                          |

**+WHEEL**

### SZS-HR-TT Highly Resilient Polyurethane Wheels


Material ..... Highly Resilient Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' • Flex and Roll over Debris without picking up objects • High Tractive Resistance




| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>250</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GHKE-SPR-42R-SZS-HR-TT  | GHKE-SPR-42S-SZS-HR-TT   | GHKE-SPR-52S-SZS-HR-TT-FWFB                          |
| <b>350</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GHKE-SPR-52R-SZS-HR-TT  | GHKE-SPR-52S-SZS-HR-TT   | GHKE-SPR-62S-SZS-HR-TT-FWFB                          |
| <b>450</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GHKE-SPR-62R-SZS-HR-TT  | GHKE-SPR-62S-SZS-HR-TT   | GHKE-SPR-160S-SZS-HR-TT-FWFB                         |
| <b>700</b>             | 200             | 50               | 257                    | 237                      | 182                | 245                     | GHKE-SPR-82R-SZS-HR-TT  | GHKE-SPR-82S-SZS-HR-TT   | GHKE-SPR-82S-SZS-HR-TT-FWFB                          |

## GHKE-SPR Spring-Loaded Forged Kingpinless Castors

 Max Load Capacity  
**900 Kg**

 Top Plate  
138 x 110 mm

 Bolt Hole Centres  
105 x 75-80 mm











 Attaching Bolt Size  
10 mm

**+WHEEL**

### ME-HR Low Effort Ergonomic Polyurethane Wheels

Material ..... Polyurethane 83°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors •  
 Power towing  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance •  
 Ergonomic Design with a Curved Tread













| Max Load Capacity (Kg)  | Wheel Dia. (mm)   | Tread Width (mm)   | Height at No Load (mm)  | Height at Full Load (mm)  | Swivel Radius (mm)  | Sw. Rad. with FWFB (mm)   | Rigid Castor (Part No.)  | Swivel Castor (Part No.)   | Swivel Castor with Wheel Face Break (Part No.)  |
|---|---|--|---|---|---|---|--|--|---|
|  200 |  100 |  50 |  165 |  145 |  115 |  180 |  GHKE-SPR-42R-ME-HR |  GHKE-SPR-42S-ME-HR |  GHKE-SPR-42S-ME-HR-FWFB |
| 350   | 125   | 50   | 180   | 160   | 143   | 195   | GHKE-SPR-52R-ME-HR   | GHKE-SPR-52S-ME-HR   | GHKE-SPR-52S-ME-HR-FWFB   |
| 500   | 150   | 50   | 203   | 183   | 165   | 200   | GHKE-SPR-62R-ME-HR   | GHKE-SPR-62S-ME-HR   | GHKE-SPR-62S-ME-HR-FWFB   |
| 700   | 200   | 50   | 257   | 237   | 182   | 245   | GHKE-SPR-82R-ME-HR   | GHKE-SPR-82S-ME-HR   | GHKE-SPR-82S-ME-HR-FWFB   |

**+WHEEL**

### ME SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth  
 Cement Concrete and Epoxy coated floors  
 Highlights ..... Solid Elastomer + Aluminium  
 Ergonomic Design with Curved Tread



| Max Load Capacity (Kg)  | Wheel Dia. (mm)   | Tread Width (mm)   | Height at No Load (mm)  | Height at Full Load (mm)  | Swivel Radius (mm)  | Sw. Rad. with FWFB (mm)   | Rigid Castor (Part No.)   | Swivel Castor (Part No.)  | Swivel Castor with Front Wheel Face Break (Part No.)   |
|---|---|--|---|---|---|---|---|---|--|
|  200 |  100 |  50 |  165 |  145 |  115 |  180 |  GHKE-SPR-42R-ME-SFS |  GHKE-SPR-42S-ME-SFS |  GHKE-SPR-42S-ME-SFS-FWFB |
| 350   | 125   | 50   | 180   | 160   | 143   | 195   | GHKE-SPR-52R-ME-SFS   | GHKE-SPR-52S-ME-SFS   | GHKE-SPR-52S-ME-SFS-FWFB   |
| 500   | 150   | 50   | 203   | 183   | 165   | 200   | GHKE-SPR-62R-ME-SFS   | GHKE-SPR-62S-ME-SFS   | GHKE-SPR-62S-ME-SFS-FWFB   |
| 700   | 200   | 50   | 257   | 237   | 182   | 245   | GHKE-SPR-82R-ME-SFS   | GHKE-SPR-82S-ME-SFS   | GHKE-SPR-82S-ME-SFS-FWFB   |

## GHKE-SPR Spring-Loaded Forged Kingpinless Castors



**Max Load Capacity**  
**900 Kg**



**Top Plate**  
**138 x 110 mm**



**Bolt Hole Centres**  
**105 x 75-80 mm**



**Attaching Bolt Size**  
**10 mm**

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth  
 Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive







| Max Load Capacity (Kg) | Wheel Dia. (mm) | Tread Width (mm) | Height at No Load (mm) | Height at Full Load (mm) | Swivel Radius (mm) | Sw. Rad. with FWFB (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Front Wheel Face Break (Part No.) |
|------------------------|-----------------|------------------|------------------------|--------------------------|--------------------|-------------------------|-------------------------|--------------------------|--|
| <b>375</b>             | 100             | 50               | 165                    | 145                      | 115                | 180                     | GHKE-SPR-42R-SFS        | GHKE-SPR-42S-SFS         | GHKE-SPR-42S-SFS-FWFB                                |
| <b>500</b>             | 125             | 50               | 180                    | 160                      | 143                | 195                     | GHKE-SPR-52R-SFS        | GHKE-SPR-52S-SFS         | GHKE-SPR-52S-SFS-FWFB                                |
| <b>675</b>             | 150             | 50               | 203                    | 183                      | 165                | 200                     | GHKE-SPR-62R-SFS        | GHKE-SPR-62S-SFS         | GHKE-SPR-62S-SFS-FWFB                                |
| <b>800</b>             | 200             | 50               | 257                    | 237                      | 182                | 245                     | GHKE-SPR-82R-SFS        | GHKE-SPR-82S-SFS         | GHKE-SPR-82S-SFS-FWFB                                |





 Max Load Capacity  
**350 Kg**

|  Wheel Diameter |  Top Plate Dimensions |  Bolt Hole Centres |  Attaching Bolt Size |
|--|---|--|--|
| 80 → 125 mm  | 105 x 85 mm   | 82 x 62 mm<br>Slotted to<br>78 x 58 mm   | 8 mm   |
| 150 → 200 mm   | 135 x 110 mm  | 110 x 85 mm<br>Slotted to<br>100 x 75 mm   | 10 mm  |

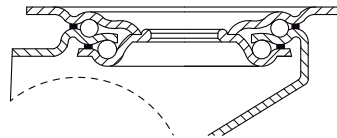
**FORK CONSTRUCTION**

- Pressed Steel: Dynamically Pressed to ensure low swivel head play and long service life
- Swivel Raceways with Double Ball Bearings To Ensure High Load Bearing Capacities
- Stainless Steel 304 Grade construction.

**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISH**

- Polished Stainless Steel

**OPTIONS**

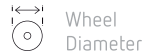
- Total Lock Brake System

| +WHEELS    | MATERIAL                         | PAGE |
|------------|----------------------------------|------|
| <b>PNY</b> | Polyurethane Wheels + Nylon Core | 69   |

## BHS-SS Stainless Steel Medium Duty Castors



Max Load Capacity  
**350 Kg**



Wheel Diameter

80 → 125 mm



Top Plate

105 x 85 mm



Bolt Hole Centres

82 x 62 mm  
Slotted to 78 x 58 mm



Attaching Bolt Size

8 mm

150 → 200 mm

135 x 110 mm

110 x 85 mm  
Slotted to 100 x 75 mm

10 mm

+WHEEL

### PNY Polyurethane Wheels with Nylon Core


Material ..... Polyurethane 95° Shore A  
 Core ..... Nylon  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Also available in softer 80° Shore A Polyurethane  
 Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors  
 Highlights ..... Low Noise Operation • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
|                        |                     |                  |                     |                    |                       |                         |                          |  |
| <b>100</b>             | 80                  | 30               | 105                 | 78                 | 112                   | BHS-SS-312R-PNY         | BHS-SS-312S-PNY          | BHS-SS-312-PNY-TL                        |
| <b>200</b>             | 100                 | 40               | 128                 | 88                 | 120                   | BHS-SS-415R-PNY         | BHS-SS-415S-PNY          | BHS-SS-415S-PNY-TL                       |
| <b>250</b>             | 125                 | 40               | 155                 | 107                | 127                   | BHS-SS-515R-PNY         | BHS-SS-515S-PNY          | BHS-SS-515-PNY-TL                        |
| <b>300</b>             | 150                 | 40               | 190                 | 135                | 165                   | BHS-SS-615R-PNY         | BHS-SS-615S-PNY          | BHS-SS-615-PNY-TL                        |
| <b>350</b>             | 200                 | 50               | 235                 | 155                | 168                   | BHS-SS-82R-PNY          | BHS-SS-82S-PNY           | BHS-SS-82-PNY-TL                         |



 Max Load Capacity  
**900 Kg**

 Top Plate  
138 X 110 mm

 Bolt Hole Centres  
105 x 75-80 mm

 Attaching Bolt Size  
10 mm

 Fork Legs (Thickness)  
6 mm

 Fork Spacing  
65 mm

 Wheel Axle  
12 mm

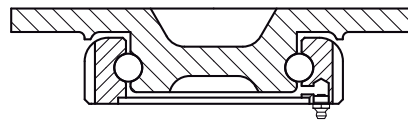
**FORK CONSTRUCTION**

- Fabricated AISI 304 Stainless Steel Top Plate and Fork Base
- Precision CNC Machined Raceways for swivel head longevity.
- Totally Sealed Swivel Head with Grease Nipple
- Fork Legs: Robotically welded inside & outside

**FORK TYPES**

-  Rigid Fork
-  Swivel Fork
-  Swivel Fork with Brake

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

- Polished Bright Finish
- Bead Blasted

**OPTIONS**

- 4-way Directional Lock
- Total Lock
- Wheel Face Brake

| +WHEELS    | MATERIAL                         | PAGE |
|------------|----------------------------------|------|
| <b>PNY</b> | Polyurethane Wheels + Nylon Core | 71   |
| <b>SFS</b> | Solid Elastomer                  | 71   |

## GHKE-SS Stainless Steel Forged Kingpinless Castors



**Max Load Capacity**  
**900 Kg**



**Top Plate**  
138 x 110 mm



**Bolt Hole Centres**  
105 x 75-80 mm



**Attaching Bolt Size**  
10 mm

**+WHEEL**

### PNY Polyurethane Wheels with Nylon Core

Material ..... Polyurethane 95° Shore A  
 Core ..... Nylon  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Also available in softer 80° Shore A Polyurethane  
 Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors  
 Highlights ..... Low Noise Operation • Low Rolling Resistance



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 250                    | 100                 | 45               | 128                 | 77                 | 100                   | GHKE-SS-415R-PNY        | GHKE-SS-415-PNY          | GHKE-SS-415S-PNY-TL                      |
| 350                    | 125                 | 40               | 155                 | 95                 | 100                   | GHKE-SS-515R-PNY        | GHKE-SS-515S-PNY         | GHKE-SS-515S-PNY-TL                      |
| 450                    | 150                 | 40               | 190                 | 115                | 152                   | GHKE-SS-615R-PNY        | GHKE-SS-615S-PNY         | GHKE-SS-615S-PNY-TL                      |
| 600                    | 200                 | 50               | 235                 | 152                | 152                   | GHKE-SS-82R-PNY         | GHKE-SS-82S-PNY          | GHKE-SS-82S-PNY-TL                       |

**+WHEEL**

### SFS Solid Elastomer Wheels

Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings / Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive



| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Sw. Rad. with TL (mm) | Rigid Castor (Part No.) | Swivel Castor (Part No.) | Swivel Castor with Total Lock (Part No.) |
|------------------------|---------------------|------------------|---------------------|--------------------|-----------------------|-------------------------|--------------------------|--|
| 375                    | 100                 | 50               | 140                 | 77                 | 100                   | GHKE-SS-42R-SFS         | GHKE-SS-42S-SFS          | GHKE-SS-42S-SFS-TL                       |
| 500                    | 125                 | 50               | 165                 | 95                 | 100                   | GHKE-SS-52R-SFS         | GHKE-SS-52S-SFS          | GHKE-SS-52S-SFS-TL                       |
| 675                    | 150                 | 50               | 195                 | 115                | 152                   | GHKE-SS-62R-SFS         | GHKE-SS-62S-SFS          | GHKE-SS-62S-SFS-TL                       |
| 800                    | 200                 | 50               | 245                 | 152                | 152                   | GHKE-SS-82R-SFS         | GHKE-SS-82S-SFS          | GHKE-SS-82S-SFS-TL                       |



 Max Load Capacity  
**250 Kg**

**FORK CONSTRUCTION**

- Exceptionally Strong 3mm Thick Construction
- Sealed Precision Ball Bearing in Swivel Head to ensure longevity

**FORK TYPES**



Swivel Fork

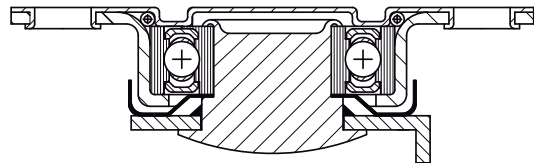


Swivel Fork with Foot Guard

**WHEEL CONSTRUCTION**

- Sealed Twin Precision Ball Bearings
- Exceptionally Strong, Shock Resistant Nylon 66 Wheels
- Metal Thread Guards

**SWIVEL HEAD SECTION**



**AVAILABLE FINISHES**

- ROHS Compliant
- Bright Zinc Plated

**OPTIONS**

- Rectangular Plate
- Diamond Plate
- Special Wheel Colours

| +PLATE | DESCRIPTION       | PAGE |
|--------|-------------------|------|
| DTP    | Diamond Plate     | 73   |
| RTP    | Rectangular Plate | 73   |

## BMS Air Cargo Inverted Castors












 Max Load Capacity  
**250 Kg**

**+PLATE**

### DTP Diamond Plate

- Fork ..... Exceptionally strong formed steel construction
- Swivel Head..... Sealed Precision Ball Bearing ensures maintenance-free service
- Finish Options ..... ROHS Compliant • Bright Zinc Plated
- Wheel Material..... Extremely strong, Nylon 66
- Wheel Bearings... Sealed Twin Precision Ball Bearings
- Accessories ..... Foot Guard (FG)
- Options..... Special wheel colours available














| Max Load Capacity (Kg)  | Top Plate (mm)  | Bolt Hole Centres (mm)  | Attaching Bolt Size (mm)  | Wheel Dia (mm)  | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with Foot Guard (mm)  | Swivel Castor (Part No.)  | Swivel Castor with Foot Guard (Part No.)  |
|---|---|---|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |  |  |  |
| <b>250</b>  | 110 x 70  | 89  | 12  | 58<br>70  | 35<br>35  | 96<br>102   | 53<br>53  | 55<br>55   | BMS-DTP-58<br>BMS-DTP-70  | BMS-DTP-58-FG<br>BMS-DTP-70-FG  |

**+PLATE**

### RTP Rectangular Plate

- Fork ..... Exceptionally strong formed steel construction
- Swivel Head..... Sealed Precision Ball Bearing ensures maintenance-free service
- Finish Options ..... ROHS Compliant • Bright Zinc Plated
- Wheel Material..... Extremely strong, Nylon 66
- Wheel Bearings... Sealed Twin Precision Ball Bearings
- Accessories ..... Foot Guard (FG)
- Options..... Special wheel colours available




| Max Load Capacity (Kg)  | Top Plate (mm)  | Bolt Hole Centres (mm)  | Attaching Bolt Size (mm)  | Wheel Dia (mm)  | Tread Width (mm)  | Overall Height (mm)   | Swivel Radius (mm)  | Sw. Rad. with Foot Guard (mm)  | Swivel Castor (Part No.)  | Swivel Castor with Foot Guard (Part No.)  |
|---|---|---|---|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |  |  |  |  |
| <b>250</b>  | 111 x 80  | 86 x 60<br>or 89  | 8<br>or 12  | 58<br>70  | 35<br>35  | 96<br>102   | 53<br>53  | 55<br>55   | BMS-RTP-58<br>BMS-RTP-70  | BMS-RTP-58-FG<br>BMS-RTP-70-FG  |



 Max Load Capacity  
**270 Kg**

 Top Plate Dia  
95 mm

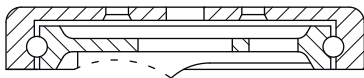
 Bolt Hole Centres  
51 mm PCD

 Attaching Bolt Size  
6 mm

**FEATURES**

- Extremely Heavy Duty Castors for business machines & store fixtures
- Ideal for high loads with very low Castor Height
- Forged Top Plate
- Hardened, CNC Machined Raceways
- Kingpinless Construction

**SWIVEL HEAD SECTION**



**WHEEL OPTIONS**

Polyurethane



Steel



Heavy Duty Nylon



**WHEEL MATERIAL**

Max Load Capacity (Kg)



Wheel Diameter (mm)



Tread Width (mm)



Overall Extended Ht (mm)



Swivel Radius (mm)







Low Profile Castor (Part No.)



| WHEEL MATERIAL              | Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Extended Ht (mm) | Swivel Radius (mm) | Low Profile Castor (Part No.) |
|-----------------------------|------------------------|---------------------|------------------|--------------------------|--------------------|-------------------------------|
| <b>SAS</b> Polyurethane     | <b>160</b>             | 50                  | 14 x 2           | 64                       | 50                 | LP-SAS                        |
| <b>STL</b> Steel            | <b>160</b>             | 50                  | 14 x 2           | 64                       | 50                 | LP-STL                        |
| <b>HNY</b> Heavy Duty Nylon | <b>270</b>             | 50                  | 14 x 2           | 64                       | 50                 | LP-HNY                        |



 Max Load Capacity  
**1000 Kg**

|  Jacking Castor Type |  Top Plate Dimensions |  Bolt Hole Centres |  Attaching Bolt Size |
|---|--|---|---|
| Side-Winding Operation Absent   | 152 x 106 mm   | 114 x 64 mm   | 12 mm   |
| Side-Winding Operation Present  | 150 x 100 mm   | 110 x 60 mm   | 12 mm   |

**FEATURES**

- All Steel Construction
- Ideal for vertical adjustment of machines and work platforms

**OPTIONS**

- Jacks available without Wheels also.
- Side-Winding Operation

**PRODUCT**


**PAGE**

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| <b>JA</b> Jacking Castors + <b>MCI</b> Cast Iron Wheels                                   | 76 |
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## JA Jacking Castors

 Max Load Capacity  
**1000 Kg**

 Top Plate  
152 x 106 mm








 Bolt Hole Centres  
114 x 64 mm

 Attaching Bolt Size  
12 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93 $\pm$ 3 $^{\circ}$  Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20 $^{\circ}$ C to +85 $^{\circ}$ C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance •  
 Abrasion Resistant








| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Fully Extended Ht (mm)  | Retracted Height (mm)   | Swivel Radius (mm)  | Jacking Castor (Part No.)   |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| <b>750</b>  | 150   | 50  | 644   | 569   | 135   | JA-SAS-6  |
| <b>1000</b>   | 200   | 50  | 695   | 620   | 165   | JA-SAS-8  |



**+WHEEL**

### MCI Cast Iron Wheels

Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100 $^{\circ}$ C to +600 $^{\circ}$ C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads •  
 Abrasion Resistant • Oil Resistant

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Fully Extended Ht (mm)  | Retracted Height (mm)   | Swivel Radius (mm)  | Jacking Castor (Part No.)   |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| <b>1000</b>   | 150   | 50  | 644   | 569   | 135   | JA-MCI-6  |
| <b>1000</b>   | 200   | 50  | 695   | 620   | 165   | JA-MCI-8  |



## JA-SW Jacking Castors with Side-Winding Operation



Max Load Capacity  
**600 Kg**



Top Plate  
150 x 100 mm



Bolt Hole Centres  
114 x 64 mm



Attaching Bolt Size  
12 mm

**+WHEEL**

### SAS Polyurethane Wheels

Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance •  
 Abrasion Resistant

| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Fully Extended Ht (mm) | Retracted Height (mm) | Swivel Radius (mm) | Jacking Castor (Part No.) |
|------------------------|---------------------|------------------|------------------------|-----------------------|--------------------|---------------------------|
| <b>600</b>             | 150                 | 50               | 810                    | 610                   | 130                | JA-SW-SAS-6               |
| <b>600</b>             | 200                 | 50               | 860                    | 660                   | 160                | JA-SW-SAS-8               |



**+WHEEL**

### MCI Cast Iron Wheels

Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads •  
 Abrasion Resistant • Oil Resistant

| Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Fully Extended Ht (mm) | Retracted Height (mm) | Swivel Radius (mm) | Jacking Castor (Part No.) |
|------------------------|---------------------|------------------|------------------------|-----------------------|--------------------|---------------------------|
| <b>600</b>             | 150                 | 50               | 810                    | 610                   | 130                | JA-SW-MCI-6               |
| <b>600</b>             | 200                 | 50               | 860                    | 660                   | 160                | JA-SW-MCI-8               |





# WHEELS

A wide range of wheel materials to suit specific customer needs for load, speed, floor type and ergonomics.

# SAS Polyurethane Wheels



Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings /  
 Tapered Roller Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling  
 Resistance • Abrasion Resistant

| Max Load (Kg) | Wheel Dia (mm) | Tread Width (mm) | Hub Length (mm) | Bore Dia (mm) | Wheel (Part No.) |
|---------------|----------------|------------------|-----------------|---------------|------------------|
| <b>295</b>    | 100            | 40               | 45              | 20            | SAS-415-BB20     |
| <b>400</b>    | 100            | 50               | 60              | 20            | SAS-42-BB20      |
| <b>450</b>    | 125            | 40               | 41              | 20            | SAS-515-BB20     |
| <b>550</b>    | 125            | 50               | 60              | 20            | SAS-52-BB20      |
| <b>450</b>    | 150            | 38               | 41              | 20            | SAS-615-BB20     |
| <b>750</b>    | 150            | 50               | 60              | 20            | SAS-62-BB20      |
| <b>950</b>    | 150            | 60               | 60              | 25            | SAS-625-BB25     |
| <b>1050</b>   | 150            | 75               | 82              | 30            | SAS-63-BB30      |
| <b>1000</b>   | 200            | 50               | 60              | 20            | SAS-82-BB20      |
| <b>1200</b>   | 200            | 60               | 60              | 25            | SAS-825-BB25     |
| <b>1400</b>   | 200            | 75               | 82              | 30            | SAS-83-BB30      |
| <b>1800</b>   | 200            | 100              | 108             | 40            | SAS-84-BB40      |
| <b>1200</b>   | 250            | 50               | 60              | 20            | SAS-102-BB20     |
| <b>1350</b>   | 250            | 60               | 60              | 25            | SAS-1025-BB25    |
| <b>1800</b>   | 250            | 75               | 82              | 30            | SAS-103-BB30     |
| <b>2200</b>   | 250            | 100              | 108             | 40            | SAS-104-BB40     |
| <b>1300</b>   | 300            | 50               | 60              | 25            | SAS-122-BB25     |

| Max Load (Kg) | Wheel Dia (mm) | Tread Width (mm) | Hub Length (mm) | Bore Dia (mm) | Wheel (Part No.) |
|---------------|----------------|------------------|-----------------|---------------|------------------|
| <b>1600</b>   | 300            | 60               | 60              | 25            | SAS-1225-BB25    |
| <b>2000</b>   | 300            | 75               | 82              | 30            | SAS-123-BB30     |
| <b>2500</b>   | 300            | 100              | 108             | 40            | SAS-124-BB40     |
| <b>2500</b>   | 400            | 75               | 82              | 30            | SAS-163-BB30     |
| <b>3100</b>   | 400            | 100              | 108             | 40            | SAS-164-BB40     |
| <b>3000</b>   | 450            | 75               | 82              | 35            | SAS-183-BB35     |
| <b>3200</b>   | 500            | 75               | 82              | 35            | SAS-203-BB35     |



Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors  
 Highlights ..... Ergonomic Design with a Curved Tread  
 Non Corrosive

| Max Load Capacity<br>(Kg) | Wheel Diameter<br>(mm) | Tread Width<br>(mm) | Hub Length<br>(mm) | Bore Diameter<br>(mm) | Wheel<br>(Part No.) |
|---------------------------|------------------------|---------------------|--------------------|-----------------------|---------------------|
| <b>300</b>                | 100                    | 50                  | 56                 | 20                    | ME-42-BB20          |
| <b>350</b>                | 125                    | 50                  | 56                 | 20                    | ME-52-BB20          |
| <b>450</b>                | 150                    | 50                  | 56                 | 20                    | ME-62-BB20          |
| <b>600</b>                | 200                    | 50                  | 56                 | 20                    | ME-82-BB20          |
| <b>650</b>                | 250                    | 50                  | 82                 | 30                    | ME-102-BB30         |
| <b>750</b>                | 300                    | 50                  | 56                 | 20                    | ME-122-BB20         |
| <b>1100</b>               | 200                    | 75                  | 82                 | 30                    | ME-83-BB30          |
| <b>1300</b>               | 250                    | 75                  | 82                 | 30                    | ME-103-BB30         |
| <b>1600</b>               | 300                    | 75                  | 82                 | 30                    | ME-123-BB30         |
| <b>1800</b>               | 400                    | 75                  | 82                 | 30                    | ME-163-BB30         |

# SZS-HR-AL Highly Resilient Polyurethane Wheels with Aluminium Core









Material ..... Polyurethane 85±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy Coated or smooth Cement Concrete floors •  
 Power Towing up to 12 km/hr  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance  
 Ergonomic Design

| Max Load Capacity<br>(Kg) | Wheel Diameter<br>(mm) | Tread Width<br>(mm) | Hub Length<br>(mm) | Bore Diameter<br>(mm) | Wheel<br>(Part No.)  |
|---------------------------|------------------------|---------------------|--------------------|-----------------------|----------------------|
|                           |                        |                     |                    |                       |                      |
| <b>180</b>                | 80                     | 40                  | 45                 | 15                    | SZS-HR-AL-8030-BB15  |
| <b>200</b>                | 100                    | 40                  | 45                 | 15                    | SZS-HR-AL-10040-BB15 |
| <b>350</b>                | 100                    | 50                  | 60                 | 20                    | SZS-HR-AL-10050-BB20 |
| <b>300</b>                | 125                    | 40                  | 45                 | 15                    | SZS-HR-AL-12540-BB15 |
| <b>400</b>                | 125                    | 50                  | 60                 | 20                    | SZS-HR-AL-12550-BB20 |
| <b>500</b>                | 150                    | 50                  | 60                 | 20                    | SZS-HR-AL-15050-BB20 |
| <b>550</b>                | 160                    | 50                  | 60                 | 20                    | SZS-HR-AL-16050-BB20 |
| <b>700</b>                | 200                    | 50                  | 60                 | 20                    | SZS-HR-AL-20050-BB20 |
| <b>750</b>                | 250                    | 50                  | 60                 | 25                    | SZS-HR-AL-25050-BB25 |

# ME-HR Low Effort Ergonomic Polyurethane Wheels









Material ..... Polyurethane 83°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors •  
 Power towing  
 Highlights ..... Floor Protective • Extremely Low Rolling Resistance •  
 Ergonomic Design with a Curved Tread • Non Corrosive  
 Non Corrosive

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)   | Wheel (Part No.)  |
|---|---|---|---|--|---|
|  |  |  |  |  |  |
| <b>350</b>  | 100   | 50  | 56  | 20   | ME-HR-42-BB20   |
| <b>450</b>  | 125   | 50  | 56  | 20   | ME-HR-52-BB20   |
| <b>575</b>  | 150   | 50  | 56  | 20   | ME-HR-62-BB20   |
| <b>850</b>  | 150   | 75  | 82  | 25   | ME-HR-63-BB25   |
| <b>775</b>  | 200   | 50  | 56  | 20   | ME-HR-82-BB20   |
| <b>1100</b>   | 200   | 75  | 82  | 25   | ME-HR-83-BB25   |
| <b>850</b>  | 250   | 50  | 56  | 20   | ME-HR-102-BB20  |
| <b>1300</b>   | 250   | 75  | 82  | 30   | ME-HR-103-BB30  |
| <b>1050</b>   | 300   | 50  | 56  | 20   | ME-HR-122-BB20  |
| <b>1600</b>   | 300   | 75  | 82  | 30   | ME-HR-123-BB30  |
| <b>1700</b>   | 400   | 75  | 82  | 30   | ME-HR-163-BB30  |



Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors  
 Highlights ..... Ergonomic Design with a Curved Tread







| Max Load Capacity<br>(Kg)<br> | Wheel Diameter<br>(mm)<br> | Tread Width<br>(mm)<br> | Hub Length<br>(mm)<br> | Bore Diameter<br>(mm)<br> | Wheel<br>(Part No.)<br> |
|--|---|--|---|--|--|
| <b>250</b>   | 100   | 50   | 56  | 20   | MEJ-42-BB20  |
| <b>350</b>   | 125   | 50   | 56  | 20   | MEJ-52-BB20  |
| <b>400</b>   | 150   | 50   | 56  | 20   | MEJ-62-BB20  |
| <b>550</b>   | 200   | 50   | 56  | 20   | MEJ-82-BB20  |
| <b>600</b>   | 250   | 50   | 56  | 20   | MEJ-102-BB20   |
| <b>800</b>   | 300   | 50   | 56  | 20   | MEJ-122-BB20   |



# SJAL Polyurethane Wheels with Aluminium Core









Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Aluminum  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Highlights ..... Noiseless Running • Non Marking •  
 Cost Effective

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>150</b>  | 80  | 30  | 35  | 15  | SJAL-8030-BB15  |
| <b>250</b>  | 100   | 40  | 45  | 15  | SJAL-10040-BB15   |
| <b>350</b>  | 125   | 40  | 45  | 20  | SJAL-12540-BB20   |
| <b>450</b>  | 125   | 50  | 60  | 20  | SJAL-12550-BB20   |
| <b>550</b>  | 150   | 50  | 60  | 20  | SJAL-15050-BB20   |
| <b>600</b>  | 160   | 50  | 60  | 20  | SJAL-16050-BB20   |
| <b>700</b>  | 180   | 50  | 60  | 20  | SJAL-18050-BB20   |
| <b>800</b>  | 200   | 50  | 60  | 20  | SJAL-20050-BB20   |
| <b>1000</b>   | 250   | 50  | 60  | 25  | SJAL-25050-BB25   |









Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Epoxy or smooth Cement Concrete floors  
 Highlights ..... Ergonomic Design with a Curved Tread  
 Non Corrosive

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>375</b>  | 100   | 50  | 56  | 20  | ME SFS -42-BB20   |
| <b>500</b>  | 125   | 50  | 56  | 20  | ME SFS-52-BB20  |
| <b>675</b>  | 150   | 50  | 56  | 20  | ME SFS-62-BB20  |
| <b>800</b>  | 200   | 50  | 56  | 20  | ME SFS-82-BB20  |
| <b>1000</b>   | 250   | 50  | 56  | 25  | ME SFS-102-BB25   |
| <b>1150</b>   | 300   | 50  | 56  | 25  | ME SFS-122-BB25   |
| <b>1100</b>   | 200   | 75  | 82  | 30  | ME SFS-83-BB30  |
| <b>1300</b>   | 250   | 75  | 82  | 30  | ME SFS-103-BB30   |
| <b>1600</b>   | 300   | 75  | 82  | 30  | ME SFS-123-BB30   |
| <b>1800</b>   | 400   | 75  | 82  | 30  | ME SFS-163-BB30   |



Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Aluminium  
 Bearings ..... Sealed Precision Ball Bearings /  
 Stainless Steel Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... Ideal for moving extremely heavy loads on smooth  
 Cement Concrete and Epoxy coated floors  
 Highlights ..... 'Real Solid' reinforced Elastomer • Non-corrosive

| Max Load Capacity<br>(Kg)<br> | Wheel Diameter<br>(mm)<br> | Tread Width<br>(mm)<br> | Hub Length<br>(mm)<br> | Bore Diameter<br>(mm)<br> | Wheel<br>(Part No.)<br> |
|--|---|--|---|--|--|
| <b>375</b>   | 100   | 50   | 56  | 20   | SFS-42-BB20  |
| <b>500</b>   | 125   | 50   | 56  | 20   | SFS-52-BB20  |
| <b>675</b>   | 150   | 50   | 56  | 20   | SFS-62-BB20  |
| <b>1100</b>  | 150   | 75   | 82  | 25   | SFS-63-BB25  |
| <b>800</b>   | 200   | 50   | 56  | 20   | SFS-82-BB20  |
| <b>1150</b>  | 200   | 75   | 82  | 25   | SFS-83-BB25  |
| <b>1000</b>  | 250   | 50   | 56  | 25   | SFS-102-BB25   |
| <b>1350</b>  | 250   | 75   | 82  | 30   | SFS-103-BB30   |
| <b>1900</b>  | 250   | 100  | 108   | 30   | SFS-104-BB30   |
| <b>1150</b>  | 300   | 50   | 56  | 25   | SFS-122-BB25   |
| <b>1600</b>  | 300   | 75   | 82  | 30   | SFS-123-BB30   |
| <b>2050</b>  | 300   | 100  | 108   | 30   | SFS-124-BB30   |

# SZS Elastic Polyurethane Wheels



Material ..... Elastic Polyurethane 83°±3° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti Static • ESD Polyurethane  
 Usage ..... In-plant Tar Roads, Epoxy Coated & Cement  
 Concrete floors • Manual and/or power towing  
 Highlights ..... 'Lively' Polyurethane provides a 'cushioning effect' •  
 Flex and Roll over Debris without picking up objects •  
 High Tractive Resistance

| Max Load Capacity<br>(Kg) | Wheel Diameter<br>(mm) | Tread Width<br>(mm) | Hub Length<br>(mm) | Bore Diameter<br>(mm) | Wheel<br>(Part No.) |
|---------------------------|------------------------|---------------------|--------------------|-----------------------|---------------------|
| <b>250</b>                | 100                    | 50                  | 60                 | 20                    | SZS-42-BB20         |
| <b>350</b>                | 125                    | 50                  | 60                 | 20                    | SZS-52-BB20         |
| <b>450</b>                | 150                    | 50                  | 60                 | 20                    | SZS-62-BB20         |
| <b>800</b>                | 150                    | 75                  | 82                 | 25                    | SZS-63-BB25         |
| <b>650</b>                | 200                    | 50                  | 60                 | 20                    | SZS-82-BB20         |
| <b>1100</b>               | 200                    | 75                  | 82                 | 30                    | SZS-83-BB30         |
| <b>1400</b>               | 200                    | 100                 | 108                | 30                    | SZS-84-BB30         |
| <b>750</b>                | 250                    | 50                  | 60                 | 25                    | SZS-102-BB25        |
| <b>1400</b>               | 250                    | 75                  | 82                 | 30                    | SZS-103-BB30        |
| <b>1600</b>               | 250                    | 100                 | 108                | 30                    | SZS-104-BB30        |
| <b>1600</b>               | 300                    | 75                  | 82                 | 30                    | SZS-123-BB30        |
| <b>2000</b>               | 300                    | 100                 | 108                | 30                    | SZS-124-BB30        |
| <b>2600</b>               | 400                    | 100                 | 108                | 40                    | SZS-164-BB40        |

# Pallet Rollers: SAS Polyurethane



Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron / Steel  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti-static, Conductive Treads  
 Usage ..... Epoxy floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant







| Max Load (Kg) | Wheel Dia (mm) | Tread Width (mm) | Hub Length (mm) | Bore Dia (mm) | Wheel (Part No.) |
|---------------|----------------|------------------|-----------------|---------------|------------------|
| 400           | 70             | 70               | 70              | 20            | SAS-7070-BB20    |
| 300           | 75             | 40               | 40              | 20            | SAS-7540-BB20    |
| 410           | 75             | 62               | 62              | 20            | SAS-7562-BB20    |
| 500           | 75             | 75               | 75              | 20            | SAS-7575-BB20    |
| 650           | 75             | 95               | 95              | 20            | SAS-7595-BB20    |
| 280           | 80             | 40               | 40              | 20            | SAS-8040-BB20    |
| 400           | 80             | 55               | 58              | 20            | SAS-8055-BB20    |
| 440           | 80             | 62               | 62              | 20            | SAS-8062-BB20    |
| 500           | 80             | 70               | 70              | 20            | SAS-8070-BB20    |
| 540           | 80             | 75               | 75              | 20            | SAS-8075-BB20    |
| 570           | 80             | 80               | 80              | 20            | SAS-8080-BB20    |
| 600           | 80             | 85               | 85              | 20            | SAS-8085-BB20    |
| 640           | 80             | 90               | 90              | 20            | SAS-8090-BB20    |
| 450           | 82             | 60               | 60              | 20            | SAS-8260-BB20    |
| 500           | 82             | 70               | 70              | 20            | SAS-8270-BB20    |
| 530           | 82             | 72               | 72              | 20            | SAS-8272-BB20    |
| 580           | 82             | 80               | 80              | 20            | SAS-8280-BB20    |

| Max Load (Kg) | Wheel Dia (mm) | Tread Width (mm) | Hub Length (mm) | Bore Dia (mm) | Wheel (Part No.) |
|---------------|----------------|------------------|-----------------|---------------|------------------|
| 600           | 82             | 82               | 20              | 20            | SAS-8282-BB20    |
| 660           | 82             | 90               | 90              | 20            | SAS-8290-BB20    |
| 730           | 82             | 100              | 100             | 20            | SAS-82100-BB20   |
| 450           | 85             | 60               | 60              | 20            | SAS-8560-BB20    |
| 530           | 85             | 70               | 70              | 20            | SAS-8570-BB20    |
| 570           | 85             | 75               | 75              | 20            | SAS-8575-BB20    |
| 610           | 85             | 80               | 80              | 20            | SAS-8580-BB20    |
| 650           | 85             | 85               | 85              | 20            | SAS-8585-BB20    |
| 680           | 85             | 90               | 90              | 20            | SAS-8590-BB20    |
| 720           | 85             | 95               | 95              | 20            | SAS-8595-BB20    |
| 760           | 85             | 100              | 100             | 20            | SAS-85100-BB20   |
| 840           | 85             | 110              | 110             | 20            | SAS-85110-BB20   |

# Pallet Rollers: SAS-EZ Roll Polyurethane



Material ..... Polyurethane 73°±3° Shore D  
 Core ..... Steel  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -20°C to +85°C  
 Highlights ..... Very Low Rolling Resistance • Non-marking •  
 Noiseless Running • Abrasion Resistant

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>600</b>  | 85  | 80  | 80  | 20  | SAS-EZ-8580-BB20  |
| <b>650</b>  | 85  | 85  | 85  | 20  | SAS-EZ-8585-BB20  |
| <b>700</b>  | 90  | 90  | 90  | 20  | SAS-EZ-9090-BB20  |
| <b>840</b>  | 85  | 110   | 110   | 20  | SAS-EZ-85110-BB20   |

## Lift Truck Wheels: SAS Polyurethane



Material ..... Polyurethane 93°±3° Shore A  
 Core ..... Cast Iron / Steel  
 Bearings ..... Sealed Precision Ball Bearings / Plain Bore  
 Temperature ..... -20°C to +85°C  
 Tread Options ..... Anti-static, Conductive Treads  
 Usage ..... Epoxy Coated & smooth Cement Concrete floors  
 Highlights ..... Non-marking • Noiseless Running • Low Rolling Resistance • Abrasion Resistant







| Wheel Diameter (mm) | Tread Width (mm) | Centre Bore (mm) | Hole PCD (mm) | No. of Holes (mm) | Bolt Hole Dia (mm) | Lift Truck Wheel (Part No.) |
|---------------------|------------------|------------------|---------------|-------------------|--------------------|-----------------------------|
|                     |                  |                  |               |                   |                    |                             |
| <b>230</b>          | 70               | 45               | 70            | 5                 | 14                 | SAS-23070-45-5              |
| <b>230</b>          | 75               | 80               | 112           | 6                 | 14                 | SAS-23075-80-6              |
| <b>230</b>          | 90               | 30               | 65            | 6                 | 13                 | SAS-23090-30-6              |
| <b>250</b>          | 75               | 80               | 112           | 5                 | 16                 | SAS-25075-80-5              |
| <b>255</b>          | 75               | 80               | 112           | 4                 | 15                 | SAS-25575-80-4              |
| <b>300</b>          | 100              | 80               | 112           | 5                 | 18.5               | SAS-300100-80-5             |
| <b>343</b>          | 114              | 80               | 112           | 7                 | 18.5               | SAS-343114-80-7             |
| <b>343</b>          | 140              | 80               | 112           | 7                 | 18.5               | SAS-343140-80-7             |

**Please Note**

A wide range of wheel sizes to suit fitments on different Forklifts and Lift Trucks are available. Please consult us for your specific needs.









Material ..... Elastic Rubber 75°±5° Shore A  
 Core ..... Cast Iron  
 Bearings ..... Sealed Precision Ball Bearings /  
 Tapered Roller Bearings  
 Temperature ..... -20°C to +75°C  
 Tread Options ..... Anti Static / Conductive Treads  
 Usage ..... Cement Concrete floors and In-plant Tar Roads ·  
 Power towing  
 Highlights ..... Smooth & silent running · Highly Resilient Tread

| Max Load Capacity<br>(Kg)<br> | Wheel Diameter<br>(mm)<br> | Tread Width<br>(mm)<br> | Hub Length<br>(mm)<br> | Bore Diameter<br>(mm)<br> | Wheel<br>(Part No.)<br> |
|--|---|--|---|--|--|
| <b>150</b>   | 100   | 38   | 45  | 20   | SEB-415-BB20   |
| <b>210</b>   | 100   | 50   | 60  | 20   | SEB-42-BB20  |
| <b>180</b>   | 125   | 38   | 45  | 20   | SEB-515-BB20   |
| <b>275</b>   | 125   | 50   | 60  | 20   | SEB-52-BB20  |
| <b>350</b>   | 150   | 50   | 60  | 20   | SEB-62-BB20  |
| <b>425</b>   | 150   | 75   | 82  | 30   | SEB-63-BB30  |
| <b>300</b>   | 160   | 50   | 60  | 20   | SEB-160-BB20   |
| <b>450</b>   | 200   | 50   | 60  | 20   | SEB-82-BB20  |
| <b>550</b>   | 200   | 75   | 82  | 30   | SEB-83-BB30  |
| <b>675</b>   | 200   | 100  | 108   | 30   | SEB-84-BB30  |
| <b>500</b>   | 250   | 50   | 60  | 25   | SEB-102-BB25   |
| <b>750</b>   | 250   | 75   | 82  | 30   | SEB-103-BB30   |
| <b>950</b>   | 250   | 100  | 108   | 30   | SEB-104-BB30   |
| <b>1500</b>  | 265   | 160  | 170   | 40   | SEB-265-BB40   |
| <b>650</b>   | 300   | 50   | 60  | 25   | SEB-122-BB25   |
| <b>850</b>   | 300   | 75   | 82  | 30   | SEB-123-BB30   |
| <b>1500</b>  | 310   | 120  | 120   | 35   | SEB-310-BB35   |
| <b>1100</b>  | 350   | 75   | 82  | 30   | SEB-143-BB30   |
| <b>2200</b>  | 360   | 170  | 120   | 50   | SEB-360-BB50   |
| <b>1200</b>  | 400   | 75   | 82  | 30   | SEB-163-BB30   |
| <b>1500</b>  | 400   | 100  | 108   | 40   | SEB-164-BB40   |











Material ..... Cast Polyamide  
 Bearings ..... Sealed Precision Ball Bearings / Tapered  
 Roller Bearings / Spherical Roller Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads •  
 High Impact Resistance • Low Rolling Resistance

| Max Load Capacity<br>(Kg)   | Wheel Diameter<br>(mm)  | Tread Width<br>(mm)   | Hub Length<br>(mm)  | Bore Diameter<br>(mm)   | Wheel<br>(Part No.)   |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>1500</b>   | 100   | 55  | 60  | 25  | MCNY-10055-BB25   |
| <b>2000</b>   | 125   | 55  | 60  | 25  | MCNY-12555-BB25   |
| <b>2500</b>   | 150   | 55  | 60  | 30  | MCNY-15055-BB30   |
| <b>3000</b>   | 150   | 80  | 85  | 35  | MCNY-15080-BB35   |
| <b>3000</b>   | 200   | 55  | 60  | 35  | MCNY-20055-BB35   |
| <b>4500</b>   | 200   | 80  | 85  | 45  | MCNY-20080-BB45   |
| <b>5000</b>   | 250   | 65  | 70  | 45  | MCNY-25065-BB45   |
| <b>6000</b>   | 250   | 80  | 85  | 50  | MCNY-25080-BB50   |
| <b>8000</b>   | 250   | 100   | 108   | 70  | MCNY-250100-BB70  |
| <b>7000</b>   | 300   | 80  | 85  | 55  | MCNY-30080-BB55   |
| <b>9000</b>   | 300   | 100   | 108   | 70  | MCNY-300100-BB70  |
| <b>9000</b>   | 400   | 80  | 85  | 70  | MCNY-40080-BB70   |
| <b>11000</b>  | 400   | 100   | 108   | 80  | MCNY-400100-BB80  |

# Pallet Rollers: MNY Polyamide









Material ..... Polyamide  
 Bearings ..... Sealed Precision Ball Bearings  
 Temperature ..... -30°C to +80°C  
 Highlights ..... Ideal for extremely high loads • High Impact Resistance • Low Rolling Resistance

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>450</b>  | 82  | 60  | 60  | 20  | MNY-8260-BB20   |
| <b>700</b>  | 82  | 70  | 70  | 20  | MNY-8270-BB20   |
| <b>700</b>  | 82  | 75  | 75  | 20  | MNY-8275-BB20   |
| <b>650</b>  | 82  | 75  | 75  | 20  | MNY-8275-BB20   |
| <b>650</b>  | 82  | 80  | 80  | 20  | MNY-8280-BB20   |
| <b>750</b>  | 82  | 90  | 90  | 20  | MNY-8290-BB20   |











Material ..... Cast Iron  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings /  
 Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for rough conditions and high temperatures  
 Highlights ..... Extremely easy to manoeuvre under high loads ·  
 Abrasion Resistant · Oil Resistant

| Max Load Capacity<br>(Kg)   | Wheel Diameter<br>(mm)  | Tread Width<br>(mm)   | Hub Length<br>(mm)  | Bore Diameter<br>(mm)  | Wheel<br>(Part No.)   |
|---|---|---|---|--|---|
|  |  |  |  |  |  |
| <b>190</b>  | 75  | 35  | 45  | 12   | MCI-315-PB12  |
| <b>350</b>  | 100   | 38  | 45  | 20   | MCI-415-BB20  |
| <b>450</b>  | 100   | 50  | 60  | 20   | MCI-42-BB20   |
| <b>400</b>  | 125   | 38  | 45  | 20   | MCI-515-BB20  |
| <b>550</b>  | 125   | 50  | 60  | 20   | MCI-52-BB20   |
| <b>800</b>  | 150   | 50  | 60  | 20   | MCI-62-BB20   |
| <b>1100</b>   | 150   | 75  | 82  | 25   | MCI-63-BB25   |
| <b>1000</b>   | 200   | 50  | 60  | 20   | MCI-82-BB20   |
| <b>1600</b>   | 200   | 75  | 82  | 25   | MCI-83-BB25   |
| <b>2300</b>   | 200   | 100   | 108   | 30   | MCI-84-BB30   |
| <b>1500</b>   | 250   | 50  | 60  | 25   | MCI-102-BB25  |
| <b>1800</b>   | 250   | 75  | 82  | 30   | MCI-103-BB30  |
| <b>2700</b>   | 250   | 100   | 108   | 30   | MCI-104-BB30  |
| <b>2000</b>   | 300   | 75  | 82  | 30   | MCI-123-BB30  |
| <b>3600</b>   | 300   | 100   | 108   | 30   | MCI-124-BB30  |

# VG-CI V-Grooved Cast Iron Wheels











Material ..... Cast Iron  
 Tread ..... Precision machined with 90° V-Groove  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for extreme loads under rough conditions • Excellent for inverted angle tracks  
 Highlights ..... Extremely easy to manoeuvre • Abrasion Resistant • Oil Resistant

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Depth of Groove (mm)  | Width of Groove (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| <b>225</b>  | 75  | 35  | 45  | 20  | 11  | 22  | VG-315-BB20   |
| <b>360</b>  | 100   | 45  | 60  | 20  | 11  | 22  | VG-42-BB20  |
| <b>675</b>  | 125   | 45  | 60  | 20  | 11  | 22  | VG-52-BB20  |
| <b>700</b>  | 150   | 45  | 60  | 20  | 11  | 22  | VG-62-BB20  |
| <b>1350</b>   | 150   | 75  | 82  | 25  | 18  | 35  | VG-63-BB25  |
| <b>900</b>  | 200   | 45  | 60  | 20  | 11  | 22  | VG-82-BB20  |
| <b>1600</b>   | 200   | 75  | 82  | 25  | 18  | 35  | VG-83-BB25  |
| <b>2250</b>   | 250   | 75  | 82  | 30  | 18  | 35  | VG-103-BB30   |
| <b>2700</b>   | 300   | 75  | 82  | 30  | 18  | 35  | VG-123-BB30   |

## FL-CI Flanged Cast Iron Wheels



Material ..... Cast Iron  
 Tread ..... Precision machined Flange and Tread,  
 with Tread ascent 3° relative to the wheel axle  
 Bearings ..... Sealed Precision Ball Bearings / Tapered Roller  
 Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for track movements on rails and I-Beam tracks  
 Highlights ..... Abrasion Resistant • Oil Resistant

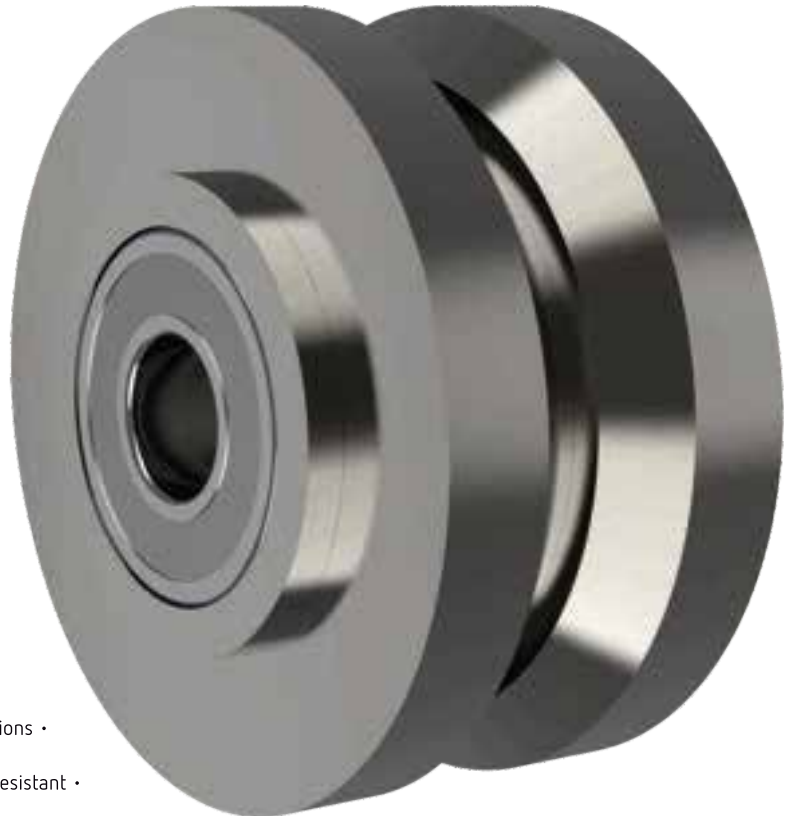
| Max Load Capacity (Kg)  | Wheel Dia. Without Flange (mm)  | Wheel Dia. With Flange (mm)   | Tread Width Without Flange (mm)   | Tread Width With Flange (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| <b>800</b>  | 100   | 125   | 50  | 38  | 50  | 20  | FL-CI-42-BB20   |
| <b>900</b>  | 125   | 145   | 50  | 38  | 50  | 20  | FL-CI-52-BB20   |
| <b>1000</b>   | 150   | 180   | 50  | 38  | 50  | 20  | FL-CI-62-BB20   |
| <b>1500</b>   | 200   | 230   | 58  | 46  | 58  | 20  | FL-CI-82-BB20   |
| <b>2500</b>   | 250   | 300   | 64  | 50  | 64  | 25  | FL-CI-102-BB25  |
| <b>2400</b>   | 300   | 340   | 60  | 45  | 60  | 30  | FL-CI-122-BB30  |
| <b>2700</b>   | 300   | 340   | 75  | 55  | 75  | 50  | FL-CI-123-BB50  |
| <b>3500</b>   | 400   | 440   | 100   | 75  | 100   | 55  | FL-CI-164-BB55  |

# DF Drop Forged Steel Wheels











Material ..... Drop Forged Alloy Steel  
 Tread ..... Fully machined crown treads  
 Bearings ..... Sealed Precision Ball Bearings /  
 Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Highlights ..... Ideal for extreme loads under rough conditions •  
 Extremely easy to manoeuvre • Abrasion Resistant •  
 Oil Resistant

| Max Load Capacity<br>(Kg) | Wheel Diameter<br>(mm) | Tread Width<br>(mm) | Hub Length<br>(mm) | Bore Diameter<br>(mm) | Wheel<br>(Part No.) |
|---------------------------|------------------------|---------------------|--------------------|-----------------------|---------------------|
| <b>150</b>                | 50                     | 14                  | 17                 | 12                    | DF-5014-PB12        |
| <b>800</b>                | 100                    | 50                  | 56                 | 20                    | DF-42-BB20          |
| <b>1000</b>               | 125                    | 50                  | 56                 | 20                    | DF-52-BB20          |
| <b>1500</b>               | 150                    | 50                  | 56                 | 25                    | DF-62-BB25          |
| <b>3000</b>               | 150                    | 75                  | 82                 | 30                    | DF-63-BB30          |
| <b>2300</b>               | 200                    | 50                  | 56                 | 30                    | DF-82-BB30          |
| <b>3100</b>               | 200                    | 75                  | 82                 | 30                    | DF-83-BB30          |
| <b>6800</b>               | 200                    | 100                 | 108                | 40                    | DF-84-BB40          |
| <b>4500</b>               | 250                    | 75                  | 80                 | 40                    | DF-103-BB40         |



Material ..... Alloy Steel  
 Tread ..... Precision machined with 90° V-Groove  
 Bearings ..... Sealed Precision Ball Bearings /  
 Tapered Roller Bearings  
 Temperature ..... -100°C to +600°C  
 Usage ..... Ideal for extreme loads under rough conditions ·  
 Excellent for inverted angle tracks  
 Highlights ..... Extremely easy to manoeuvre · Abrasion Resistant ·  
 Oil Resistant

| Max Load Capacity (Kg)  | Wheel Diameter (mm)   | Tread Width (mm)  | Hub Length (mm)   | Bore Diameter (mm)  | Depth of Groove (mm)  | Width of Groove (mm)  | Wheel (Part No.)  |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| <b>1000</b>   | 100   | 50  | 56  | 20  | 11  | 22  | VG-DF-42-BB20   |
| <b>1100</b>   | 125   | 50  | 56  | 20  | 11  | 22  | VG-DF-52-BB20   |
| <b>1150</b>   | 150   | 50  | 56  | 20  | 11  | 22  | VG-DF-62-BB25   |
| <b>3000</b>   | 150   | 75  | 82  | 30  | 18  | 35  | VG-DF-63-BB30   |
| <b>2300</b>   | 200   | 50  | 56  | 30  | 11  | 22  | VG-DF-82-BB30   |
| <b>3100</b>   | 200   | 75  | 82  | 30  | 18  | 35  | VG-DF-83-BB30   |
| <b>4500</b>   | 250   | 75  | 82  | 40  | 18  | 35  | VG-DF-103-BB40  |



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## TRUCK LOCKS

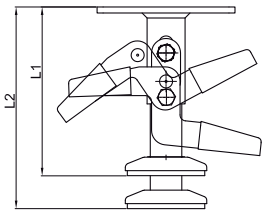
Specially designed Floor Locks that hold trucks or trolleys in a fixed position during loading or unloading.

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## SCENE SHIFTERS

Specially designed for moving scenes in theatres and stage performances.





**FEATURES**







- Top plate fitting medium duty Floor Truck Lock.
- Heavy Duty construction.
- A large non-skid rubber pad ensures a firm grip to the ground.

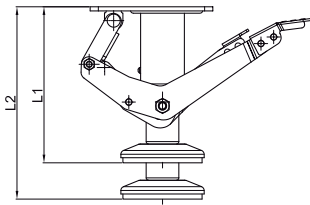
**USE**

- Safely secures the truck in position while Loading or Unloading.
- The Lock is instantly released by applying a slight downward pressure.
- Operating force does not vary with Load.

**AVAILABLE FINISHES**

- Zinc Plated
- ROHS Compliant

| Fully Extended Height (mm) - L2   | Retracted Height (mm) - L1  | Top Plate (mm)  | Bolt Hole Centres (mm)  | Attaching Bolt Size (mm)  | Truck Lock (Part No.)   |
|---|---|---|---|---|---|
|  |  |  |  |  |  |
| <b>146</b>  | 116   | 138 x 110   | 105 x 75-80   | 10  | LTL-4   |
| <b>168</b>  | 136   | 138 x 110   | 105 x 75-80   | 10  | LTL-5   |
| <b>195</b>  | 155   | 138 x 110   | 105 x 75-80   | 10  | LTL-6   |
| <b>245</b>  | 205   | 138 x 110   | 105 x 75-80   | 10  | LTL-8   |



**FEATURES**







- Top plate fitting medium duty Floor Truck Lock.
- Heavy Duty construction.
- A large non-skid rubber pad ensures a firm grip to the ground.

**AVAILABLE FINISHES**

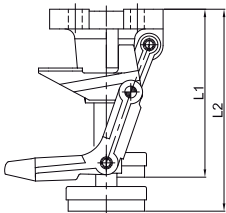
- Zinc Plated
- ROHS Compliant

**USE**

- Safely secures the truck in position while Loading or Unloading.
- The Lock is instantly released by applying a slight downward pressure.
- Operating force does not vary with Load.

| Fully Extended Height (mm) - L2   | Retracted Height (mm) - L1   | Top Plate (mm)   | Bolt Hole Centres (mm)   | Attaching Bolt Size (mm)  | Truck Lock (Part No.)   |
|---|--|--|--|---|---|
| <br><b>151</b> | <br>125 | <br>120 x 120 | <br>100-85 x 100-85 | <br>10 | <br>TLHJ-5 |
| <b>210</b>  | 170  | 120 x 120  | 100-85 x 100-85  | 10  | TLHJ-6  |
| <b>248</b>  | 206  | 120 x 120  | 100-85 x 100-85  | 10  | TLHJ-8  |

# TLF-HD Heavy Duty Truck Locks



## FEATURES

- Top plate fitting Truck Lock.
- Extra Heavy Duty construction.
- Thick, elastic Rubber Pad ensures a firm grip on the floor.
- Castors not lifted 'Off the Ground'.

## USE

- Secure the trolley in a fixed position by pressing the pedal.
- Lock is instantly released by applying a slight downward pressure on the Trip Lever.
- Operating force does not vary with Load.

| Fully Extended Height (mm) - L2 | Retracted Height (mm) - L1 | Top Plate (mm) | Bolt Hole Centres (mm) | Attaching Bolt Size (mm) | Truck Lock (Part No.) |
|---------------------------------|----------------------------|----------------|------------------------|--------------------------|-----------------------|
|                                 |                            |                |                        |                          |                       |
| <b>205</b>                      | 165                        | 153 x 115      | 127 x 63.5             | 12                       | TLF-HD-205-RSP        |
| <b>205</b>                      | 165                        | 153 x 115      | 127 x 63.5             | 12                       | TLF-HD-205-LSP        |
| <b>205</b>                      | 165                        | 153 x 115      | 127 x 63.5             | 12                       | TLF-HD-205-DP         |
| <b>300</b>                      | 245                        | 140 x 112      | 105 x 80               | 12                       | TLF-HD-300-DP         |



**FEATURES**

- Side Plate fitting Truck Lock.
- Heavy Duty Construction.
- Operational Levers can be provided on the right side or left side— please specify appropriate codes while placing the order.
- Thick elastic rubber pad ensures firm grip to the floor.

**USE**

- Bolt Holes can be drilled on the side plate, on-site.
- Floor pad instantly released up by slight download pressure on the smaller trip-lever.

| Fully Extended Height (mm) | Retracted Height (mm) | Top Plate (mm)       | Bolt Hole Centres (mm)     | Operational Lever                    | Truck Lock (Part No.)             |
|----------------------------|-----------------------|----------------------|----------------------------|--------------------------------------|-----------------------------------|
| <br><b>381</b>             | <br><b>346</b>        | <br><b>165 x 114</b> | <br>Can be drilled on-site | <br>Right Side<br>-----<br>Left Side | <br>LTL-SW-R<br>-----<br>LTL-SW-L |



**FEATURES**

- Top Swivel Head
- Maintenance-free Kingpinless Swivel Head Top Plate Mounting
- Standard ISO 2184 Class 4 Solid Steel Triangular Base 12 mm thick

**OPTIONS**

- Possibility of Mounting Different Casters

**AVAILABLE FINISH**

- Polymer Painted - Black Colour

| <b>WHEEL MATERIAL</b>       | Max Load Capacity (Kg) | Wheel Diameter (mm) | Tread Width (mm) | Overall Height (mm) | Swivel Radius (mm) | Top Plate (mm) | Bolt Hole Centres (mm) | Attaching Bolt Size (mm) | Scene Shifter (Part No.) |
|-----------------------------|------------------------|---------------------|------------------|---------------------|--------------------|----------------|------------------------|--------------------------|--------------------------|
|                             |                        |                     |                  |                     |                    |                |                        |                          |                          |
| <b>SAS</b> Polyurethane     | 480                    | 50                  | 14 x 2           | 97                  | 308                | 150 x 110      | 105 x 80               | 12                       | STG-SAS                  |
| <b>HNY</b> Heavy Duty Nylon | 480                    | 50                  | 14 x 2           | 97                  | 308                | 150 x 110      | or<br>121 x 59         | 12                       | STG-HNY                  |
| <b>STL</b> Steel            | 810                    | 50                  | 14 x 2           | 97                  | 308                | 150 x 110      |                        | 12                       | STG-STL                  |

The background is a solid orange color. Overlaid on this are several thick, white, abstract geometric shapes. These shapes include a large, irregular loop at the top left, a zigzag line running diagonally from the middle left towards the bottom right, and another zigzag line at the bottom right. The shapes are stylized and do not represent any specific objects.

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# ACCESSORIES

Special accessories and attachments for solving problems  
in different applications and industries.



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**For sensitive applications that demand absolute floor protection.**

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- Continuously brushes away metal chips and isolates the wheel tread surface from debris.
- Prevents cuts & tears on the wheel tread, ensuring wheel tread longevity.
- Eliminates frequent castor-replacement costs.



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**Fail-safe castors for the Textile industry that can run for months without cleaning.**

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- Completely prevents thread & yarn build-up in the castor.
- Eliminates the need for daily cleaning of yarn & fluff build-up, leading to massive savings on maintenance costs.





# PRODUCT USAGE

## WHEEL & CASTOR SELECTION

The following factors significantly affect the performance & life of Muvtons products, and should be considered when selecting wheels & castors for your application.

### LOADING

Besides the trolley & material's gross weight, please make allowances for:

- 1 Uneven weight distribution, which often results in one wheel carrying more load than the others;
- 2 Power towing, which can impose severe shock loading; and
- 3 Distances travelled per trip.

### FLOOR CONDITION

Rough uneven floors cause severe overloading when one wheel leaves the ground thrusting the load on the remaining wheels. Potholes and obstructions on the floor exert enormous impact loads and can damage a castor.

Lift sills, drain covers and joints in concrete slabs should be approached squarely : a castor turns at right-angles when approaching such obstructions transversely, and could be damaged due to such hits.

### POWER TOWING

When manually towed trollies meet an obstruction, they slow down or take an alternate path, reducing the stress & strain on the castors. Plenty of power is available in power towing, and combined with high speeds, impact hits lead to castor distress.

Muvtons suggests forged castors, with strong swivel heads and appropriate wheel materials, for power towing.

### FLOOR SAVING

Metal or hard plastic/polymer wheels, when used to tow heavy loads, will exert immense pressure on the floor, leading to floor cracks and surface damage. It is more cost effective to invest in an appropriate castor solution than it is to repair expensive floors.

## USAGE INSTRUCTIONS

### OPERATING SPEEDS

Wheels and castors are manufactured for towing at manual walking speeds not exceeding 4 kmph, and on even floor surfaces. For operations at higher speeds, castor load capacities have to be reduced — please contact us for suitable product recommendations.

### FLOOR PROTECTION

Hard wheel tread materials damage floors more than elastic materials, like Polyurethane or Elastic Rubber, due to pressure on the floor. A typical Nylon or Hard Polymer wheel shall exert 5 times more pressure on the floor as compared to a Polyurethane wheel.

### LOAD CAPACITY

Load capacities listed in this catalogue apply to normal working conditions, and for products used on reasonably smooth floor surfaces (i.e., free from grooves, gaps, etc). To calculate the load capacity required for an application, the following should be taken into account: empty trolley weight, the maximum load on the trolley, number of wheels, and safety factor. The safety factor ranges from 1.5 for indoor manual operations to 3.0 for outdoor power towed applications.

### SPECIAL APPLICATIONS

Our Technical Department can assist you in the selection of suitable wheels & castors for any application. Muvtons will provide information on material resistance with regard to special requirements like extreme temperatures, chemical interactions or very high-speed towing.

### SUGGESTED USAGE

Muvtons guarantees the performance and durability of its products. We also request that our products do not suffer misuse due to:

- 1 Overloading
- 2 Unsuitable floor conditions
- 3 Extreme temperatures
- 4 Improper braking
- 5 Exposure to a caustic environment
- 6 Excess shock loading
- 7 Foreign objects penetrating the wheel tread
- 8 High towing speed
- 9 Unauthorised changes to installed components



# RELIABILITY & WARRANTY

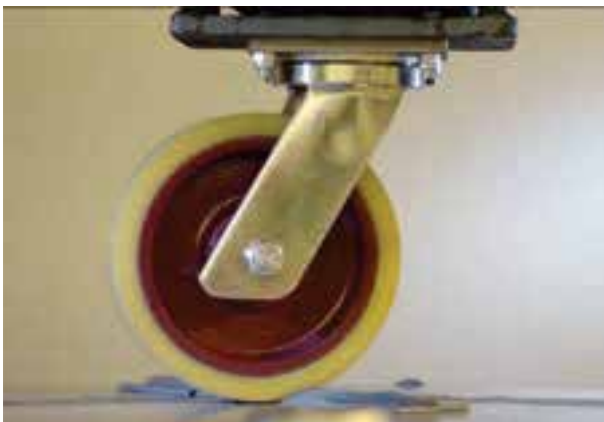
## TESTING PROCEDURE

To ensure that all Muvtons products meet the highest standards of quality, all our products are tested on specially developed test facilities that put our wheels and castors through different Endurance tests.

Endurance testing for load capacity involves testing the castor on a circular track that revolves at speeds ranging from 4 kmph to 16 kmph (depending on applications) under the specified loads. The castor is subjected to atleast 500 obstacle hits to test the capability of the castor to endure in practical application.

Castors are tested for continuous running periods followed by one-minute pauses during which the direction of rotation is reversed. The castor is made to run in this fashion for a pre-defined number of revolutions until it overcomes a prerequisite number of obstacles and is proven to be fit for dispatch.

Test reports are available on request.



Wheels bonded to metallic or non-metallic cores are subjected to Bond Strength testing.

Additional tests for corrosion resistance, welding strength and temperature resistance are also carried out.

## WARRANTY

We guarantee our products to be free from any manufacturing defects arising from material usage or workmanship. Any product, found defective and returned to our plant/sales offices freight paid, shall upon examination, be replaced free of cost. This warranty shall not hold good if the product has been subjected to misuse, damaged by accident or used in application parameters not discussed with the company prior to purchase.

Please confirm with the company the tenure of the Warranty period, that may vary from 6 months to 4 years from the date of purchase depending upon the product and application. All our products are date-embossed to ensure complete transparency in manufacturing dates. However, we do not accept liability for any incidental, direct or indirect, expenses and damages incurred by customers on account of such defective products. The company's liability, in all cases, is restricted to the replacement of defective products.

## PRODUCT MISUSE

Muvtons cannot insure products that are misused or abused. We bear no liability for products that are not used as per Muvtons guidelines and recommendations. Examples of misuse of wheels and castors for purposes other than those specified for intended use are:

- 1 Products used for loads higher than those specified in this catalogue, and not considering safety factors.
- 2 Products used on unsuitable, uneven floors.
- 3 Using products at ambient temperatures that are too high or too low without prior consultation with Muvtons.
- 4 Products moved by force with the wheels in a locked/braked position (failure to use the brakes properly).
- 5 Products exposed to particularly aggressive and/or abrasive substances, for example, exposure to caustic/acidic environments.
- 6 Products subjected to rough impact/shock loads.
- 7 Sharp debris penetrating the wheel tread.
- 8 Wheels and Castors used at excessive speeds without prior consultation.
- 9 Modifications made to products without prior approval from Muvtons.
- 10 Damage to the castor resulting from mechanical hits, viz. and forklifts or other sharp objects.



# CONTACT

## SALES ENQUIRIES

To enquire about purchasing Muvtons products, please contact:

E [sales@muvtons.com](mailto:sales@muvtons.com)

M +91 98 1002 3617, +91 99 1096 6900

Or fill in the enquiry form on our website:

[www.muvtons.com](http://www.muvtons.com)

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## CUSTOMER SERVICE

If you are an existing Muvtons customer, please contact:

E [marketing@muvtons.com](mailto:marketing@muvtons.com), [sales@muvtons.com](mailto:sales@muvtons.com)

T +91 120 4646100

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## CONTACT ADDRESS

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Noida-201305, UP  
INDIA.

T +91 120 4646 100

W [www.muvtons.com](http://www.muvtons.com)



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