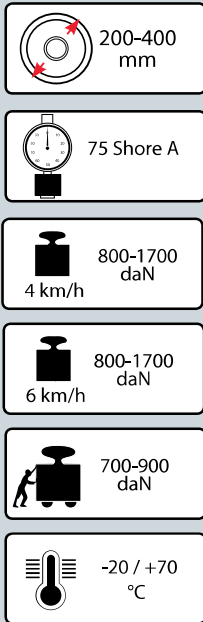


## "TR-ROLL" POLYURETHANE WHEELS WITH CAST IRON CENTRE



### Technical features

Tyre: very thick TR-Roll polyurethane, hardness 75 Shore A, with excellent rolling resistance and elasticity and good resistance to wear and tear.

Centre: cast iron.

Hub with shielded ball bearing press-fitted in the seats obtained by precision turning on the centre; also available without bearings.

### Uses

Innovative product, which combines an excellent rolling resistance with the ability to damp down vibrations and overcoming obstacles and very good performance and durability in case of heavy usages and mechanical handling at speeds up to 16 km/h. Examples of applications: mechanically handled trolleys in automotive industries, logistics, carpentries; AGV trolleys; electrical pallet trucks.

### Environments of use

Designed for industrial environments, even in the presence of alcohols, glycols, hydrocarbons.

Not recommended in areas with organic acids and mineral acids, base solutions and saturated steam. In case of use in particularly aggressive environments, it is possible to use a protective lacker available on request.

|              |  |              |  |
|--------------|--|--------------|--|
| WEAK ACIDS   |  | WEAK BASES   |  |
| STRONG ACIDS |  | STRONG BASES |  |
| WATER        |  | HYDROCARBONS |  |
| ALCOHOL      |  | SOLVENTS     |  |

For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 36.


### Floors

Suitable for all types of industrial floors, even outdoors. Facilitates the overcoming of obstacles.

It does not damage the floors.



### Force required to push or tow a wheel

|   | 200 kg | 400 kg | 600 kg | 800 kg | 1000 kg | 1200 kg | 1400 kg | 1600 kg |
|---|--------|--------|--------|--------|---------|---------|---------|---------|
| 200x50 mm   | <1     | 2,5    | 4      | 6      | ---     | ---     | ---     | ---     |
| 200x80 mm   | <1     | 2      | 3,5    | 5,5    | ---     | ---     | ---     | ---     |
| 250 mm  | <1     | 1,5    | 3      | 5      | 7       | 9       | ---     | ---     |
| 300 mm  | <1     | 1      | 2,5    | 4,5    | 6       | 8       | 10      | ---     |
| 400 mm  | <1     | <1     | 1      | 3      | 5,5     | 7       | 8       | 10      |

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values < 3 daN.

### Fittings with brackets



**Electrowelded brackets EE MHD**

Maximum carrying capacity 800 daN – available diameters 200 mm  
Top plate fitting. Available with adjustable rear brake.



**Electrowelded brackets EE HD**

Maximum carrying capacity 800 daN – available diameters 200-300 mm  
Top plate fitting. Available with adjustable rear brake.



**Electrowelded brackets EE EHD**

Maximum carrying capacity 1700 daN – available diameters 400 mm  
Top plate fitting.

### Options available to order:

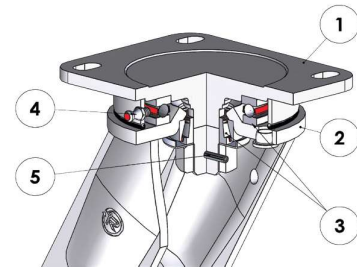


Wheel with key housing



| mm  |     | kg    |        | COD.  |        | mm |     | mm |    | daN         |            | daN         |             | daN |     | daN |     |
|-----|-----|-------|--------|-------|--------|----|-----|----|----|-------------|------------|-------------|-------------|-----|-----|-----|-----|
| mm  | mm  | kg    | COD.   | kg    | COD.   | mm | mm. | mm | mm | daN         | daN        | daN         | daN         | daN | daN | daN | daN |
| 200 | 50  | 3,40  | 622126 | 3,17  | 624126 | 20 | 55  | 47 | 14 | <b>1000</b> | <b>700</b> | <b>800</b>  | <b>800</b>  |     |     |     |     |
| 200 | 80  | 6,63  | 622136 | 6,14  | 624136 | 25 | 88  | 62 | 18 | <b>1200</b> | <b>750</b> | <b>900</b>  | <b>900</b>  |     |     |     |     |
| 250 | 80  | 8,50  | 622127 | 8,00  | 624127 | 25 | 86  | 62 | 17 | <b>1600</b> | <b>800</b> | <b>1200</b> | <b>1200</b> |     |     |     |     |
| 300 | 80  | 11,50 | 622128 | 11,00 | 624128 | 30 | 86  | 62 | 17 | <b>1900</b> | <b>850</b> | <b>1400</b> | <b>1400</b> |     |     |     |     |
| 400 | 100 | 33,50 | 622109 | 32,70 | 624109 | 40 | 100 | 80 | 18 | <b>2000</b> | <b>900</b> | <b>1700</b> | <b>1700</b> |     |     |     |     |

### Electrowelded brackets EE MHD - Max. carrying capacity 800 daN



- 1) Plate: forged steel with integrated pin
  - 2) Fork: deep-drawn legs electro-welded to the flange
  - 3) Swivel actions: axial ball bearing and tapered roller bearing
  - 4) Grease nipple
  - 5) Anti-loosening system nut
- Available with adjustable total rear foot brake

| mm  |    | kg   |        | COD. |        | kg   |        | COD. |         | mm     |    | mm |     | mm |            | mm         |            | daN        |            | daN        |            |
|-----|----|------|--------|------|--------|------|--------|------|---------|--------|----|----|-----|----|------------|------------|------------|------------|------------|------------|------------|
| mm  | mm | kg   | COD.   | kg   | COD.   | kg   | COD.   | mm   | mm      | mm     | mm | mm | mm  | mm | mm         | daN        | daN        | daN        | daN        | daN        | daN        |
| 200 | 50 | 6,54 | 628316 | 5,56 | 628416 | 7,42 | 628616 | 252  | 135x110 | 105x80 | 11 | 70 | 157 |    | <b>800</b> | <b>800</b> | <b>800</b> | <b>800</b> | <b>800</b> | <b>800</b> | <b>800</b> |

### Options available to order:

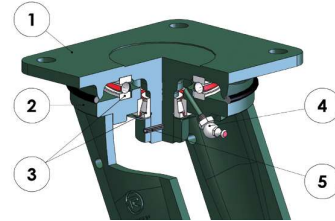


Wheel with key housing



Directional lock for brackets EE MHD - EE HD - EED MHD: see page 332

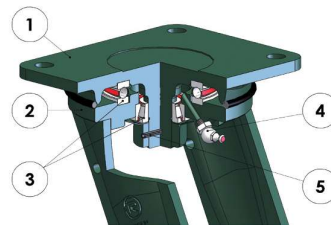
**Electrowelded brackets EE HD - Max. carrying capacity 1400 daN**



- 1) Plate: forged steel with integrated pin
  - 2) Fork: deep-drawn legs electro-welded to the flange
  - 3) Swivel actions: axial ball bearing and tapered roller bearing
  - 4) Grease nipple
  - 5) Anti-loosening system nut
- Available with adjustable total rear foot brake

| mm  |    | kg    | COD.   | kg    | COD.   | kg    | COD.   | mm  | mm      | mm      | mm   | mm | mm  | 4 km/h daN | 6 km/h daN |
|-----|----|-------|--------|-------|--------|-------|--------|-----|---------|---------|------|----|-----|------------|------------|
| 200 | 80 | 13,10 | 628706 | 11,56 | 628806 | 13,98 | 628906 | 275 | 175x140 | 140x105 | 14,5 | 65 | 166 | 900        | 900        |
| 250 | 80 | 15,19 | 628708 | 13,60 | 628808 | 16,07 | 628908 | 320 | 175x140 | 140x105 | 14,5 | 74 | 166 | 1200       | 1200       |
| 300 | 80 | 18,31 | 628718 | 16,69 | 628818 | 19,19 | 628918 | 360 | 175x140 | 140x105 | 14,5 | 81 | 166 | 1400       | 1400       |

**Electrowelded brackets EE EHD - Max. carrying capacity 1700 daN**



- 1) Plate: forged steel with integrated pin
  - 2) Fork: deep-drawn legs electro-welded to the flange
  - 3) Swivel actions: axial ball bearing and tapered roller bearing
  - 4) Grease nipple
  - 5) Anti-loosening system nut
- Available with adjustable total rear foot brake

| mm  | mm  | kg    | COD.   | kg    | COD.   | mm  | mm      | mm      | mm | mm | 4 km/h daN | 6 km/h daN |
|-----|-----|-------|--------|-------|--------|-----|---------|---------|----|----|------------|------------|
| 400 | 100 | 49,55 | 628729 | 44,85 | 628829 | 475 | 250x200 | 210x160 | 19 | 95 | 1700       | 1700       |

Options available to order:



Wheel with key housing



Directional lock for brackets EE MHD - EE HD - EED MHD: see page 332