SERIES 75HS

# "TR" POLYURETHANE PALLET TRUCK ROLLERS FOR ELECTRIC PALLET TRUCKS WITH STEEL CENTRE

85 mm

92 Shore A

480-890 daN
4 km/h

390-720 daN
6 km/h

400-560 daN

-20 / +80 °C



## Description

Tyre: "TR" polyurethane, hardness 92 Shore A, excellent values of rolling resistance and elasticity, highly resistant to wear.

Centre: obtained from a steel tube:

Hub with sealed ball bearings 6006 type 2RS, protective plastic-rings, with plastic labyrinths with integrated lip, to protect the bearings from dust and other elements that could limit their correct functioning over time.

## Uses

Designed for assembly on electric pallet trucks, both walk-behind model and with operator on board.
They ensure a long product life under continuous mechanical handling
Their excellent values of rolling resistance make anyway the manual handling of heavy loads easier.

## Environments of use

Designed for industrial environments, even in presence of alcohols, glycols, hydrocarbons. Not recommended in areas with organic acids and mineral acids, base solutions and saturated vapour.

| | | | |
|---|---|---|---|
| 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 40.*

## Floors

Suitable for tiles and cement-resin.
Not suitable if voluminous obstacles are present.



## Force required to push or tow a wheel

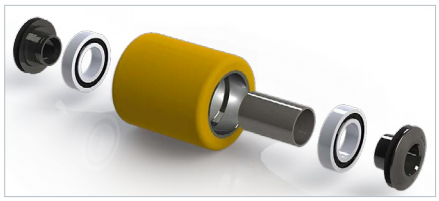
| | 100 kg | 200 kg | 300 kg | 400 kg | 500 kg | 600 kg | 800 kg |
|---|---|---|---|---|---|---|---|
| 85x60 mm | <1 | 2,2 | 3,6 | 5 | ---- | ---- | ---- |
| 85x65 mm | <1 | 2,2 | 3,6 | 5 | ---- | ---- | ---- |
| 85x70 mm | < 1 | 1,9 | 2,9 | 4 | 6 | ---- | ---- |
| 85x75 mm | < 1 | 1,9 | 2,9 | 4 | 6 | ---- | ---- |
| 85x80 mm | < 1 | 1,8 | 2,6 | 3,8 | 5 | 7,2 | ---- |
| 85x85 mm | < 1 | 1,8 | 2,6 | 3,8 | 5 | 7,2 | ---- |
| 85x90 mm | < 1 | 1,7 | 2,4 | 3,5 | 4,8 | 6,4 | ---- |
| 85x95 mm | < 1 | 1,7 | 2,4 | 3,5 | 4,8 | 6,4 | ---- |
| 85x100 mm | < 1 | 1,6 | 2,2 | 3,2 | 4,5 | 6 | 10 |
| 85x105 mm | < 1 | 1,6 | 2,2 | 3,2 | 4,5 | 6 | 10 |
| 85x110 mm | < 1 | 1,5 | 2 | 3 | 4,2 | 5,7 | 10,5 |

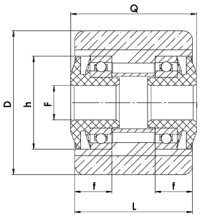
For each load and diameter, the table indicates the force (in daN) needed to push or tow a single wheel at the constant speed of 4 km/h on smooth flooring. For manual handling of a 4-wheeled trolley we recommend diameters that have values < 5 daN, for frequent handling we recommend diameters with values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

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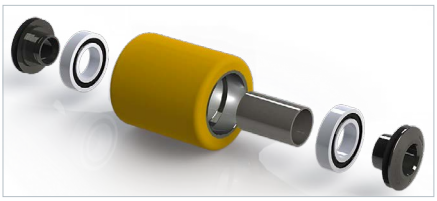

| | | | | | | | | | | Static | | 4 km/h | 6 km/h |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mm | mm | kg | COD. | kg | COD. | mm | mm | mm | mm | daN | daN | daN | daN |
| 85 | 60 | 0,84 | 753151F12 | 0,54 | 755151 | 12 | 65 | 55 | 22 | **600** | **400** | **480** | **390** |
| 85 | 60 | 0,84 | 753151F17 | 0,54 | 755151 | 17 | 65 | 55 | 22 | **600** | **400** | **480** | **390** |
| 85 | 60 | 0,84 | 753151F20 | 0,54 | 755151 | 20 | 65 | 55 | 22 | **600** | **400** | **480** | **390** |
| 85 | 60 | 0,82 | 753151F25 | 0,54 | 755151 | 25 | 65 | 55 | 22 | **600** | **400** | **480** | **390** |
| 85 | 65 | 0,96 | 753152F12 | 0,65 | 755152 | 12 | 70 | 55 | 22 | **650** | **400** | **530** | **430** |
| 85 | 65 | 0,95 | 753152F17 | 0,65 | 755152 | 17 | 70 | 55 | 22 | **650** | **400** | **530** | **430** |
| 85 | 65 | 0,95 | 753152F20 | 0,65 | 755152 | 20 | 70 | 55 | 22 | **650** | **400** | **530** | **430** |
| 85 | 65 | 0,94 | 753152F25 | 0,65 | 755152 | 25 | 70 | 55 | 22 | **650** | **400** | **530** | **430** |
| 85 | 70 | 1,04 | 753153F12 | 0,72 | 755153 | 12 | 75 | 55 | 22 | **700** | **450** | **560** | **450** |
| 85 | 70 | 1,03 | 753153F17 | 0,72 | 755153 | 17 | 75 | 55 | 22 | **700** | **450** | **560** | **450** |
| 85 | 70 | 1,03 | 753153F20 | 0,72 | 755153 | 20 | 75 | 55 | 22 | **700** | **450** | **560** | **450** |
| 85 | 70 | 1,02 | 753153F25 | 0,72 | 755153 | 25 | 75 | 55 | 22 | **700** | **450** | **560** | **450** |
| 85 | 75 | 1,12 | 753154F12 | 0,79 | 755154 | 12 | 80 | 55 | 22 | **750** | **450** | **590** | **480** |
| 85 | 75 | 1,11 | 753154F17 | 0,79 | 755154 | 17 | 80 | 55 | 22 | **750** | **450** | **590** | **480** |
| 85 | 75 | 1,11 | 753154F20 | 0,79 | 755154 | 20 | 80 | 55 | 22 | **750** | **450** | **590** | **480** |
| 85 | 75 | 1,10 | 753154F25 | 0,79 | 755154 | 25 | 80 | 55 | 22 | **750** | **450** | **590** | **480** |
| 85 | 80 | 1,19 | 753155F12 | 0,86 | 755155 | 12 | 85 | 55 | 22 | **800** | **500** | **630** | **510** |
| 85 | 80 | 1,19 | 753155F17 | 0,86 | 755155 | 17 | 85 | 55 | 22 | **800** | **500** | **630** | **510** |
| 85 | 80 | 1,19 | 753155F20 | 0,86 | 755155 | 20 | 85 | 55 | 22 | **800** | **500** | **630** | **510** |
| 85 | 80 | 1,18 | 753155F25 | 0,86 | 755155 | 25 | 85 | 55 | 22 | **800** | **500** | **630** | **510** |
| 85 | 85 | 1,27 | 753156F12 | 0,92 | 755156 | 12 | 90 | 55 | 22 | **850** | **500** | **670** | **540** |
| 85 | 85 | 1,26 | 753156F17 | 0,92 | 755156 | 17 | 90 | 55 | 22 | **850** | **500** | **670** | **540** |
| 85 | 85 | 1,26 | 753156F20 | 0,92 | 755156 | 20 | 90 | 55 | 22 | **850** | **500** | **670** | **540** |
| 85 | 85 | 1,25 | 753156F25 | 0,92 | 755156 | 25 | 90 | 55 | 22 | **850** | **500** | **670** | **540** |

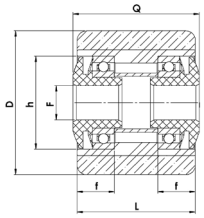
## Options available to order



Rollers with labyrinths and axle tube with bore 13 mm








| mm | mm | kg | COD. | kg | COD. | mm | mm | mm | mm | Static daN | daN | 4 km/h daN | 6 km/h daN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | 90 | 1,34 | 753157F12 | 0,99 | 755157 | 12 | 95 | 55 | 22 | **900** | **525** | **700** | **560** |
| 85 | 90 | 1,34 | 753157F17 | 0,99 | 755157 | 17 | 95 | 55 | 22 | **900** | **525** | **700** | **560** |
| 85 | 90 | 1,34 | 753157F20 | 0,99 | 755157 | 20 | 95 | 55 | 22 | **900** | **525** | **700** | **560** |
| 85 | 90 | 1,33 | 753157F25 | 0,99 | 755157 | 25 | 95 | 55 | 22 | **900** | **525** | **700** | **560** |
| 85 | 95 | 1,42 | 753158F12 | 1,06 | 755158 | 12 | 100 | 55 | 22 | **950** | **525** | **750** | **610** |
| 85 | 95 | 1,41 | 753158F17 | 1,06 | 755158 | 17 | 100 | 55 | 22 | **950** | **525** | **750** | **610** |
| 85 | 95 | 1,41 | 753158F20 | 1,06 | 755158 | 20 | 100 | 55 | 22 | **950** | **525** | **750** | **610** |
| 85 | 95 | 1,40 | 753158F25 | 1,06 | 755158 | 25 | 100 | 55 | 22 | **950** | **525** | **750** | **610** |
| 85 | 100 | 1,50 | 753159F12 | 1,13 | 755159 | 12 | 105 | 55 | 22 | **1000** | **540** | **800** | **640** |
| 85 | 100 | 1,49 | 753159F17 | 1,13 | 755159 | 17 | 105 | 55 | 22 | **1000** | **540** | **800** | **640** |
| 85 | 100 | 1,49 | 753159F20 | 1,13 | 755159 | 20 | 105 | 55 | 22 | **1000** | **540** | **800** | **640** |
| 85 | 100 | 1,48 | 753159F25 | 1,13 | 755159 | 25 | 105 | 55 | 22 | **1000** | **540** | **800** | **640** |
| 85 | 105 | 1,57 | 753160F12 | 1,19 | 755160 | 12 | 110 | 55 | 22 | **1050** | **540** | **840** | **680** |
| 85 | 105 | 1,56 | 753160F17 | 1,19 | 755160 | 17 | 110 | 55 | 22 | **1050** | **540** | **840** | **680** |
| 85 | 105 | 1,56 | 753160F20 | 1,19 | 755160 | 20 | 110 | 55 | 22 | **1050** | **540** | **840** | **680** |
| 85 | 105 | 1,55 | 753160F25 | 1,19 | 755160 | 25 | 110 | 55 | 22 | **1050** | **540** | **840** | **680** |
| 85 | 110 | 1,65 | 753161F12 | 1,26 | 755161 | 12 | 115 | 55 | 22 | **1100** | **560** | **890** | **720** |
| 85 | 110 | 1,64 | 753161F17 | 1,26 | 755161 | 17 | 115 | 55 | 22 | **1100** | **560** | **890** | **720** |
| 85 | 110 | 1,64 | 753161F20 | 1,26 | 755161 | 20 | 115 | 55 | 22 | **1100** | **560** | **890** | **720** |
| 85 | 110 | 1,63 | 753161F25 | 1,26 | 755161 | 25 | 115 | 55 | 22 | **1100** | **560** | **890** | **720** |