SERIES 75

"TR" POLYURETHANE PALLET TRUCK ROLLERS WITH STEEL CENTRE

35-85 mm

92 Shore A

350-800 daN
4 km/h

235-540 daN
6 km/h

200-475 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 shielded ball bearing with interference assembly in the seats obtained by precision machining of the centre; also available without bearings.
Model with labyrinth seals: protective plastic-rings, with interference assembly into the ball bearings. They ensure longer life, by preventing entry of dust and foreign bodies.

Uses

Excellent for use on manual pallet trucks, also in case of heavy loads.
Their excellent values of rolling resistance make the manual handling of heavy loads easier.
The model with electrowelded brackets allows handling heavy loads while maintaining a low centre of gravity. It is a common solution to move set design in the show business sector.

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
80x70 mm	1	2,4	3,7	5,1	7,6	----	----
80x90 mm	<1	2,2	3,1	4,5	6,1	7,8	----
82x70 mm	1	2,4	3,6	5	7,5	----	----
82x85 mm	<1	2,3	3,4	4,8	6,8	7,7	----
82x90 mm	<1	2,1	3	4,3	6	7,6	----
82x100 mm	<1	2	2,7	4	5,6	7,5	13,5
85x40 mm	1,2	3,4	6	----	----	----	----
85x70 mm	<1	2,3	3,5	4,8	7,2	----	----
85x80 mm	<1	2,2	3,1	4,6	6	8,6	----
85x90 mm	<1	2,1	3,1	4,7	6,4	7,7	----
85x100 mm	<1	1,9	2,6	3,8	5,4	7,2	12

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.

Options available to order

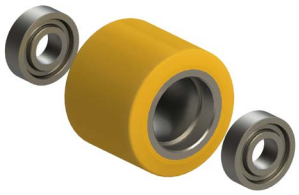


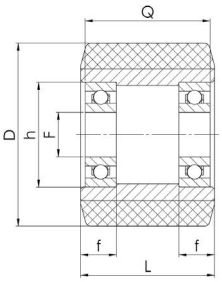


Compact castors:
see page 363

"TR" POLYURETHANE PALLET TRUCK ROLLERS WITH STEEL CENTRE







										Static		3 km/h	4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN	daN
35	27	0,06	752099			6	30	22	7			**100**		
50	40	0,23	752100	0,18	754100	15	40	35	11			**150**		
80	40	0,82	752101	0,62	754101	20	40	47	14	**400**	**200**		**350**	**235**
80	70	1,06	752102	0,82	754102	20	70	47	14	**700**	**390**		**560**	**375**
80	90	1,35	752105	1,11	754105	20	90	47	14	**900**	**430**		**700**	**470**
82	60	0,95	752131	0,71	754131	20	67	47	14	**600**	**360**		**480**	**325**
82	70	1,09	752132	0,85	754132	20	70	47	14	**700**	**400**		**560**	**375**
82	70	1,04	752232	0,84	754232	20	70	47	16	**700**	**400**		**560**	**375**
82	75	1,14	752143	0,90	754143	20	75	47	14	**750**	**400**		**590**	**400**
82	85	1,27	752134	1,03	754134	20	85	47	14	**850**	**425**		**670**	**450**
82	90	1,33	752135	1,09	754135	20	90	47	14	**900**	**440**		**700**	**470**
82	100	1,45	752137	1,21	754137	20	100	47	14	**1000**	**460**		**800**	**540**
85	40	0,72	752121	0,48	754121	20	40	47	14	**400**	**250**		**350**	**235**
85	70	1,12	752122	0,88	754122	20	70	47	14	**700**	**410**		**560**	**375**
85	75	1,17	752129	0,93	754129	20	75	47	14	**750**	**410**		**590**	**400**
85	80	1,25	752123	1,01	754123	20	80	47	14	**800**	**430**		**630**	**425**
85	80	1,08	752223	0,90	754223	25	80	52	15	**800**	**430**		**630**	**425**
85	90	1,39	752125	1,15	754125	20	90	47	14	**900**	**450**		**700**	**470**
85	100	1,52	752127	1,28	754127	20	100	47	14	**1000**	**475**		**800**	**540**

Options available to order

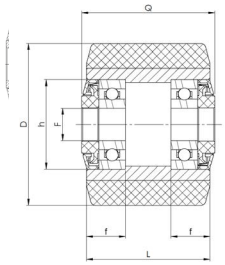


Rollers
with customised
dimensions

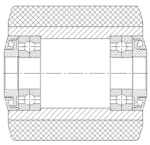
With labyrinths







								Static		4 km/h	6 km/h
mm	mm	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN
80	65	0.97	753101	20	70	47	20.5	**650**	**370**	**530**	**350**
80	85	1.29	753102	20	90	47	20.5	**850**	**410**	**670**	**450**
82	65	1.03	753103	20	70	47	20.5	**650**	**380**	**530**	**350**
82	80	1.21	753104	20	85	47	20.5	**800**	**405**	**630**	**425**
82	85	1.27	753105	20	90	47	20.5	**850**	**425**	**670**	**450**
82	95	1.39	753106	20	100	47	20.5	**950**	**450**	**750**	**500**
85	65	1.06	753107	20	70	47	20.5	**650**	**390**	**530**	**350**
85	75	1.19	753108	20	80	47	20.5	**750**	**410**	**590**	**400**
85	75	1.12	753223	25	80	47	20.5	**750**	**410**	**590**	**400**
85	85	1.33	753109	20	90	47	20.5	**850**	**450**	**670**	**450**
85	95	1.46	753110	20	100	47	20.5	**950**	**460**	**750**	**500**



Labyrinths: protective plastic-rings, with interference assembly in front of the ball bearings. They ensure longer life, protecting them from dust and foreign bodies that may limit the roller's free rotation.