






PALLET TRUCK ROLLERS





SERIES
74

VULKOLLAN® ROLLERS
WITH STEEL CENTRE






 80-85 mm	 400-1000 daN	 180-450 daN
 320-800 daN	 -20 / +80 °C	

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SERIES
75

"TR" POLYURETHANE ROLLERS
WITH STEEL CENTRE





 80-85 mm	 400-1000 daN	 150-400 daN
 320-800 daN	 -20 / +80 °C	

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SERIES
76

POLYAMIDE 6 SOLID ROLLERS






 40-85 mm	 700-1200 daN	 335-500 daN
 -30 / +80 °C		

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SERIES
77

"TR" POLYURETHANE ROLLERS
WITH POLYAMIDE 6 CENTRE





 82-85 mm	 450-600 daN	 300-350 daN
 350-480 daN	 -20 / +80 °C	

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SERIES
78

THERMOPLASTIC POLYURETHANE
ROLLERS WITH POLYAMIDE 6 CENTRE






 82 mm	 450-750 daN	 390-530 daN
 -15 / +80 °C		

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SERIES
79

"TR-ROLL" POLYURETHANE ROLLERS
WITH STEEL CENTRE

 80-85 mm	 400-650 daN	 400-650 daN
 320-520 daN	 -20 / +70 °C	

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VULKOLLAN® PALLET TRUCK ROLLERS WITH STEEL CENTRE

80-85
mm

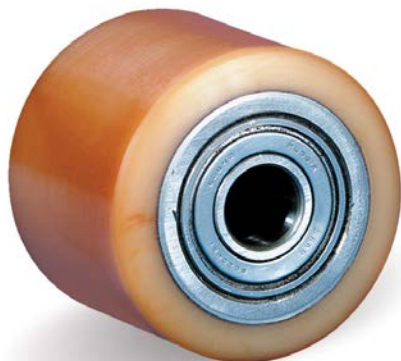
93 Shore A

400-1000
daN
4 km/h

320-800
daN
6 km/h

180-450
daN

-20 / +80
°C



Description

Tyre: Vulkollan®, hardness 93 Shore A: excellent values of rolling resistance and elasticity, highly resistant to wear, tear and deformations.

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 electric pallet trucks, also in case of heavy loads and high speed handling (up to 16 km/h).
Their excellent values of rolling resistance make 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 36.

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	500 kg	600 kg	800 kg	1000 kg
80x70 mm	1	2.6	5	12	16.7	----	----
80x90 mm	< 1	< 1	2.3	7.1	10.6	19.5	----
85x40 mm	1.4	5.3	10.4	----	----	----	----
85x70 mm	< 1	1.9	4	10.9	15.5	----	----
85x80 mm	< 1	1.6	3.5	9.5	13.6	24	----
85x90 mm	< 1	< 1	2.3	7.9	11.4	20.5	----
85x100 mm	< 1	< 1	2	5.8	9.3	17	27

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



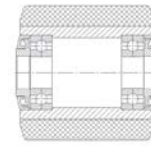
Rollers fitted
with electrowelded
brackets EE MHD

VULKOLLAN® PALLET TRUCK ROLLERS WITH STEEL CENTRE














															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN		
80	70	1.07	742202	0.83	744202	20	70	47	14	1000	300	700	560		
80	90	1.38	742105	1.14	744105	20	90	47	14	1200	385	900	720		
85	40	0.72	742121	0.48	744121	20	40	47	14	575	180	400	320		
85	70	1.13	742122	0.89	744122	20	70	47	14	1000	315	700	560		
85	80	1.26	742123	1.02	744123	20	80	47	14	1050	360	800	640		
85	80	1.19	742224	0.91	744224	25	80	52	15	1050	360	800	640		
85	90	1.41	742125	1.17	744125	20	90	47	14	1200	400	900	720		
85	100	1.54	742127	1.30	744127	20	100	47	14	1300	450	1000	800		

With labyrinths



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.

								 Static	 4 km/h	 6 km/h						
mm	mm	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN					
80	65	0.98	743201	20	70	47	20.5	930	280	650	520					
80	85	1.32	743202	20	90	47	20.5	1130	360	850	680					
85	65	1.07	743203	20	70	47	20.5	930	290	750	600					
85	75	1.20	743204	20	70	47	20.5	980	335	750	600					
85	75	1.13	743224	25	80	47	20.5	980	335	750	600					
85	85	1.35	743205	20	90	47	20.5	1130	375	850	680					
85	95	1.48	743206	20	100	47	20.5	1230	425	950	760					

Options available to order



Rollers fitted
with electrowelded
brackets EE MHD



Rollers with
customised
dimensions



TR Lab, we work for the future

"TR" POLYURETHANE PALLET TRUCK ROLLERS WITH STEEL CENTRE

80-85 mm

95 Shore A

400-1000 daN
4 km/h

320-800 daN
6 km/h

150-400 daN

-20 / +80 °C



Description

Tyre: "TR" polyurethane, hardness 95 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 electric pallet trucks, also in case of heavy loads and high speed handling (up to 16 km/h).

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			
STRONG ACIDS			
WATER			
ALCOHOL			

WEAK BASES			
STRONG BASES			
HYDROCARBONS			
SOLVENTS			

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



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	500 kg	600 kg	800 kg	1000 kg
80x70 mm	1.3	3	5.5	10.3	13.5	----	----
80x90 mm	1.3	2.7	4.4	8.2	10.4	15.3	----
82x70 mm	1	2.6	5.4	11.2	15.3	----	----
82x85 mm	1	2.6	5	10.5	13.9	22	----
82x90 mm	< 1	2.3	4.2	9	12.2	20	----
82x100 mm	< 1	< 1	2.3	6.7	9.8	17.8	28
85x40 mm	1.4	5.3	10.4	----	----	----	----
85x70 mm	< 1	1.9	5.2	10.9	15.5	----	----
85x80 mm	< 1	1.6	4.5	9.5	13.6	24	----
85x90 mm	< 1	< 1	3.5	7.9	11.4	20.5	----
85x100 mm	< 1	< 1	2	5.8	9.3	17	27

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.

Available with brackets















Electrowelded brackets EE MHD

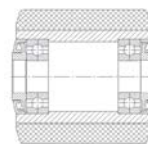
Maximum carrying capacity 800 daN - available diameters 80-85 mm
Top plate fitting.

"TR" POLYURETHANE PALLET TRUCK ROLLERS WITH STEEL CENTRE




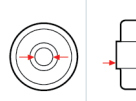







										 Static		 4 km/h	 6 km/h		
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN		
80	70	1.06	752102	0.82	754102	20	70	47	14	800	250	700	560		
80	90	1.35	752105	1.11	754105	20	90	47	14	1000	335	900	720		
82	70	1.09	752132	0.85	754132	20	70	47	14	800	255	700	560		
82	85	1.27	752134	1.03	754134	20	85	47	14	900	300	800	640		
82	90	1.33	752135	1.09	754135	20	90	47	14	1000	340	900	720		
82	100	1.45	752137	1.21	754137	20	100	47	14	1100	390	1000	800		
85	40	0.72	752121	0.48	754121	20	40	47	14	450	150	400	320		
85	70	1.12	752122	0.88	754122	20	70	47	14	800	265	700	560		
85	80	1.25	752123	1.01	754123	20	80	47	14	900	310	800	640		
85	80	1.18	752223	0.90	754223	25	80	52	15	900	310	800	640		
85	90	1.39	752125	1.15	754125	20	90	47	14	1000	350	900	720		
85	100	1.52	752127	1.28	754127	20	100	47	14	1100	400	1000	800		

With labyrinths



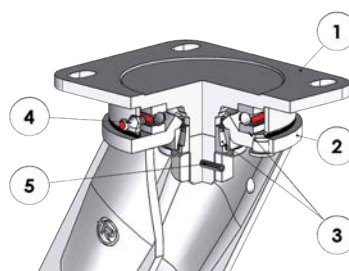
Labyrinths: protective plastic-rings, with interference assembly in front of the ball bearings. They ensure longer life, protecting them from dust and foreign bodies that may limit the roller's free rotation.















								Static		4 km/h	6 km/h				
mm	mm	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN				
80	65	0.97	753101	20	70	47	20.5	750	230	650	520				
80	85	1.29	753102	20	90	47	20.5	950	310	850	680				
82	65	1.03	753103	20	70	47	20.5	750	235	650	520				
82	80	1.21	753104	20	85	47	20.5	900	280	800	640				
82	85	1.27	753105	20	90	47	20.5	950	320	850	680				
82	95	1.39	753106	20	100	47	20.5	1050	365	950	760				
85	65	1.06	753107	20	70	47	20.5	750	245	650	520				
85	75	1.19	753108	20	80	47	20.5	850	285	750	600				
85	75	1.12	753223	25	80	47	20.5	850	285	750	600				
85	85	1.33	753209	20	90	47	20.5	950	330	850	680				
85	95	1.46	753110	20	100	47	20.5	1050	375	950	760				

Options available to order



Rollers
with customised
dimensions



- |  |  |   | | | |   | | | | | |       | | | |  | |  | |
|--|---|---|--------|------|--------|---|---------|--------|----|----|------------|--|--|--|--|---|--|---|--|
| mm | mm | kg | CODE | kg | CODE | mm | mm | mm | mm | mm | daN | daN | | | | | | | |
| 80 | 70 | 3.96 | 758301 | 2.98 | 758401 | 130 | 135x110 | 108x80 | 11 | 55 | 700 | 560 | | | | | | | |
| 85 | 70 | 4.02 | 758311 | 3.04 | 758411 | 132.5 | 135x110 | 105x80 | 11 | 55 | 700 | 560 | | | | | | | |
| 85 | 80 | 4.15 | 758321 | 3.17 | 758421 | 132.5 | 135x110 | 105x80 | 11 | 55 | 800 | 640 | | | | | | | |

POLYAMIDE 6 PALLET TRUCK ROLLERS

40-85 mm

70 Shore D

700-1200 daN
4 km/h

335-500 daN

-30 / +80 °C



Description

Solid polyamide 6 pallet truck rollers, hardness 70 Shore D; excellent values of rolling and impact resistance. Reduced deformation under load.

Hub with shielded ball bearings with interference assembly in the seats obtained by centre moulding; also available without bearings. Hub with plain bore hole which directly houses the axle.

Uses

Suitable for use on manual pallet trucks, also with humidity and highly aggressive chemical agents.

Their excellent values of rolling resistance make the manual handling of heavy loads easier. It is specifically recommended for use in the food and canning industries.

Environments of use

Suitable for industrial environments, also in presence of humidity and chemical agents. Not recommended in areas with strong organic acids and concentrated mineral acids.

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 tiles and cement-resin.

Not recommended in presence of obstacles.

They may damage fragile flooring.















Force required to push or tow a wheel







	100 kg	200 kg	300 kg	500 kg	600 kg	800 kg	1000 kg
82x60 mm	1.2	2.6	4.5	7	8.7	----	----
82x70 mm	1.2	2.5	3.8	6.5	7.9	10.8	----
82x90 mm	< 1	1.9	2.9	5.5	6	8.4	10.8
82x100 mm	< 1	1.7	2.6	5	5.5	7.5	9.7

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.









														
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN		
82	60	0.47	763011	0.23	761011	20	60	47	14	1000	335	700		
82	70	0.49	763012	0.25	761012	20	70	47	14	1100	350	850		
82	90	0.57	763014	0.33	761014	20	90	47	14	1300	450	1100		
82	100	0.65	763015	0.41	761015	20	100	47	14	1400	500	1200		



					
mm	mm	kg	CODE	mm	mm
50	55	0.12	760002	12	55



					
mm	mm	kg	CODE	mm	mm
40	43	0.05	760001	17	45

Options available to order



Rollers fitted with 25 mm bore ball bearings

"TR" POLYURETHANE PALLET TRUCK ROLLERS WITH POLYAMIDE CENTRE 6

	82-85 mm
	95 Shore A
	450-600 daN
	4 km/h
	360-480 daN
	6 km/h
	300-350 daN
	-20 / +80 °C



Description

Tyre: "TR" polyurethane, hardness 95 Shore A, excellent values of rolling resistance and elasticity, highly resistant to wear.

Centre: polyamide 6.

Hub with shielded ball bearings with interference assembly in the seats obtained by centre moulding; also available without bearings.

Uses

Suitable for use on manual and electric pallet trucks, with speed up to 6 km/h. Their excellent values of rolling resistance make the manual handling of heavy loads easier.

Environments of use

Designed for industrial environments, even in presence of medium-harsh chemical agents. Not recommended in areas with strong organic acids and mineral acids.

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



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

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
82x70 mm	1.1	2.7	5	7.8	----	----
82x90 mm	< 1	2.1	4	6.6	9.7	----
82x100 mm	< 1	1.9	3.5	5.4	7.8	10.5
85x70 mm	< 1	2.5	4.7	7.6	11	----
85x90 mm	< 1	2.3	4	6	8	11

For each load and diameter, the table indicates the force (in daN) needed to push or tow a single roller at the constant speed of 4 km/h on smooth floor. For manual handling of a trolley choose diameters that have values < 5 daN, for frequent handling choose values < 3 da N.



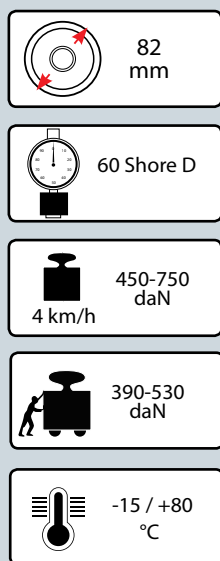
														
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN	daN	
82	70	0.60	772132	0.36	774132	20	70	47	14	550	300	450	360	
82	90	0.70	772135	0.46	774135	20	90	47	14	610	340	510	400	
82	100	0.76	772137	0.52	774137	20	100	47	14	700	380	600	480	
85	70	0.65	772122	0.41	774122	20	70	47	14	600	310	500	400	
85	90	0.76	772125	0.52	774125	20	90	47	14	700	350	600	480	

Options available to order



Rollers fitted
with 25 mm bore
ball bearings

THERMOPLASTIC POLYURETHANE PALLET TRUCK ROLLERS WITH POLYAMIDE CENTRE 6



Description

Tyre: thermoplastic polyurethane, hardness 60 Shore D, excellent values of rolling resistance and elasticity, highly resistant to wear and tear.

Centre: polyamide 6.

Hub with shielded ball bearings with interference assembly in the seats obtained by centre moulding; also available without bearings.

Uses

Suitable for use on manual pallet trucks, also with humidity and highly aggressive chemical agents.

Their excellent values of rolling resistance make the manual handling of heavy loads easier.

It is specifically recommended for use in the food and canning industries.

Environments of use

Suitable for industrial environments, also in presence of humidity and chemical agents. Not recommended in areas with strong organic acids and concentrated mineral acids.

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 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	700 kg
82x60 mm	1.2	2.4	3.8	5.2	---	---	---
82x70 mm	< 1	2	3.3	4.8	6.5	---	---
82x80 mm	< 1	1.5	2.4	3.7	5.2	7	---
82x90 mm	< 1	1.5	2.4	3.6	4.8	6.1	7.5
82x100 mm	< 1	1.5	2.4	3.5	4.7	5.9	7.3

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.



														
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	daN	daN	daN		
82	60	0.47	782101	0.27	784101	20	60	47	14	450	390	450		
82	70	0.53	782102	0.32	784102	20	70	47	14	500	410	500		
82	80	0.59	782103	0.38	784103	20	80	47	14	600	500	600		
82	90	0.64	782104	0.43	784104	20	90	47	14	700	525	700		
82	100	0.69	782105	0.49	784105	20	100	47	14	750	530	750		

Options available to order



Rollers fitted
with 25 mm bore
ball bearings

"TR-ROLL" PALLET TRUCK ROLLERS WITH STEEL CENTRE



Description

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

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.

Uses

Excellent for use on electric pallet trucks, also in case of heavy loads and high speed handling (up to 12 km/h; for applications at higher speeds please contact Tellure Rôta). They guarantee silent running and vibration damping and are suitable also on uneven surfaces and in presence of obstacles.

Their excellent values of rolling resistance make the manual handling of heavy loads easier.

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 vapour.

WEAK ACIDS			
STRONG ACIDS			
WATER			
ALCOHOL			
WEAK BASES			
STRONG BASES			
HYDROCARBONS			
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

 	100 kg	200 kg	400 kg	500 kg	600 kg	700 kg
80x90 mm	<1	1,5	3,5	4,5	5,5	
82x60 mm	1	2	3,5			
82x70 mm	<1	1,5	2,5	4		
82x90 mm	<1	1	2,5	3,5	4,5	
82x100 mm	<1	1,5	2,5	3	3,5	4,5
85x70 mm	<1	1,5	2,8	5		
85x80 mm	<1	1,5	2,5	3,5		
85x90mm	<1	1	2,5	3,5	4,5	
85x100 mm	<1	1	2	3	3,5	

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.



										 Static	 4 km/h	 6 km/h	
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN
80	90	1,25	792105	1,06	794105	20	90	47	14	750	490	580	460
82	60	0,87	792121	0,67	794121	20	60	47	14	500	400	400	320
82	70	0,98	792122	0,79	794122	20	70	47	14	550	450	450	360
82	90	1,21	792125	1,03	794125	20	90	47	14	750	580	580	460
82	100	1,34	792127	1,15	794127	20	100	47	14	850	620	650	520
85	70	1,04	792132	0,84	794132	20	70	47	14	550	450	450	360
85	80	1,16	792133	0,96	794133	20	80	47	14	600	520	520	400
85	90	1,28	792135	1,08	794135	20	90	47	16	750	580	580	460
85	100	1,40	792137	1,20	794137	20	100	47	14	850	650	650	520

Options available to order



Rollers fitted with 25 mm bore ball bearings



Rollers with labyrinths