

"TR-ROLL" POLYURETHANE WHEELS WITH POLYAMIDE 6 CENTRE

-  100-200 mm
-  75 Shore A
-  230-500 daN
4 km/h
-  230-400 daN
6 km/h
-  230-500 daN
-  -20 / +70 °C



Description

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

Available also with ergonomic round profile (wheel diam. 125-160-200 mm).

Centre: polyamide 6.

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

Uses

Excellent for trolleys and equipments handling medium-heavy and heavy duty loads, also suitable for continuous handling, even in presence of humidity and aggressive chemicals.

Suitable for towing applications and manual/mechanical handling up to 6 km/h. They offer a higher load capacity and rolling resistance in comparison to standard elastic rubber wheels, whilst maintaining the same specifications of elasticity, vibrations absorption and obstacle overcoming.

The ergonomic round profile variant also enables to reduce the start-up coefficient when pushing/pulling a trolley from a still position.

Examples of applications are: automotive industry, lean manufacturing, cash& carry, trolleys and dollies for the chemical and food processing industry.

Environments of use

Suitable for indoor industrial environments, also in presence of medium-harsh chemical agents, alcohol, glycol and water.

Not suitable in presence of strong acids and solvents.

WEAK ACIDS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	WEAK BASES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
STRONG ACIDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	STRONG BASES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
WATER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HYDROCARBONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ALCOHOL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SOLVENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

For information on the compatibility of the component wheel materials with specific aggressive chemical substances, see table at page 40.



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	150 kg	200 kg	250 kg	300 kg	350 kg	400 kg	500 kg
100 mm	< 1	1	2	---	---	---	---	---
125 mm	< 1	< 1	1,5	2	2,5	---	---	---
125 ER mm	< 1	< 1	1,5	2	---	---	---	---
160 mm	< 1	< 1	1	1,5	1,8	2,2	2,6	---
160 ER mm	< 1	< 1	1	1,5	1,8	2,2	2,6	---
200 mm	< 1	< 1	1	1,4	1,7	2	2,4	3,2
200 ER mm	< 1	< 1	1	1,4	1,7	2	2,4	3,2

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.

Abbinamento ai supporti



Standard-duty brackets NL

Maximum carrying capacity 300 daN - available diameters 100-200 mm.
Top plate fittings. Available with front brake.



Stainless steel standard-duty brackets NLX

Maximum carrying capacity 300 daN - available diameters 100-200 mm.
Top plate fittings. Available with front brake.



Medium duty brackets M

Maximum carrying capacity 500 daN - available diameters 160-200 mm
Top plate fitting. Available with front adjustable brake.



Medium-heavy duty brackets P

Maximum carrying capacity 500 daN - available diameters 100-200 mm
Top plate fitting. Available with front brake and adjustable rear brake.



Stainless steel medium-heavy duty brackets PX

Maximum carrying capacity 500 daN - available diameters 100-200 mm
Top plate fitting. Available with adjustable rear brake.

"TR-ROLL" POLYURETHANE WHEELS WITH POLYAMIDE 6 CENTRE



mm		kg		COD.		kg		COD.		mm		mm		mm		mm		Static	4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN	daN	daN	daN	daN	
100	40	0,34	622302	0,34	622402	0,27	624302	15	40	32	9	300	230	230	230	230	230	230	230	
125	40	0,45	622303	0,45	622403	0,37	624303	15	40	32	9	350	280	280	280	280	280	280	280	
160	50	1,06	622304	1,06	622404	0,97	624304	20	55	47	14	450	400	400	400	400	400	400	360	
200	50	1,36	622306	1,36	622406	1,27	624306	20	55	47	14	600	500	500	500	500	500	500	450	



Ergonomic round profile



mm		kg		COD.		kg		COD.		mm		mm		mm		mm		Static	4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN	daN	daN	daN	daN	
125ER	40	0,40	622603	0,40	622503	0,32	624603	15	40	32	9	300	250	250	250	250	250	250	250	
160ER	50	1,00	622604	1,00	622504	0,91	624704	20	55	47	14	450	400	400	400	400	400	400	360	
200ER	50	1,27	622606	1,27	622506	1,18	624706	20	55	47	14	600	500	500	500	500	500	500	450	

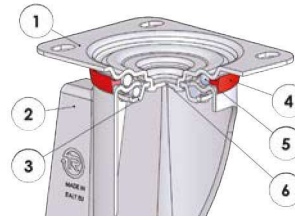
Standard-duty brackets NL - max carrying capacity 300 daN



- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Dust seal: orange polyethylene
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: integrated with the plate and cold-rieveted
- Available with total front foot brake

mm		kg		COD.		kg		COD.		mm		mm		mm		mm		mm		4 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	daN
100	40	0,94	624422	0,69	626222	1,08	627322	128	100x85	80x60	9	35	120	200						
125	40	1,10	624423	0,85	626223	1,24	627323	156	100x85	80x60	9	37	120	220						
125ER	40	1,05	629303	0,80	629403	1,19	629503	156	100x85	80x60	9	37	120	220						
160	50	2,49	624434	2,19	627724	2,78	627334	199	140x110	105x80	11	56	156	300						
160ER	50	2,43	624424	2,13	627734	2,72	627324	199	140x110	105x80	11	56	156	300						
200	50	2,87	624436	2,63	627726	3,07	627336	240	140x110	105x80	11	56	156	300						
200ER	50	2,78	624426	2,54	627736	2,98	627326	240	140x110	105x80	11	56	156	300						

Stainless steel standard-duty brackets NLX - max carrying capacity 300 daN

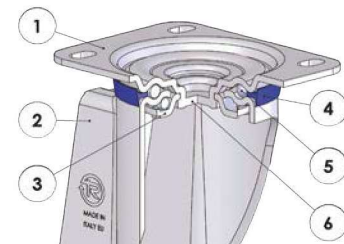


INOX

- 1) Plate: AISI 304 stainless steel
 - 2) Fork: AISI 304 stainless steel
 - 3) Ball race ring: AISI 304 stainless steel
 - 4) Dust seal: orange polyamide
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: screw and nut in stainless steel
- Available with adjustable total rear foot brake

mm		kg		COD.		kg		COD.		kg		COD.		mm		mm		mm		mm		mm		daN	
100	40	0,94	625122	I	0,69	625222	I	1,08	625322	I	128	100x85	80x60	9	35	120	200								
125	40	1,10	625123	I	0,85	625223	I	1,24	625323	I	156	100x85	80x60	9	37	120	220								
125ER	40	1,05	625103	I	0,80	625203	I	1,19	625303	I	156	100x85	80x60	9	37	120	220								
160	50	2,49	625134	I	2,19	625234	I	2,78	625334	I	198	140x110	105x80	11	56	156	300								
160ER	50	2,43	625124	I	2,13	625224	I	2,72	625324	I	198	140x110	105x80	11	56	156	300								
200	50	2,87	625136	I	2,63	625236	I	3,07	625336	I	240	140x110	105x80	11	56	156	300								
200ER	50	2,78	625126	I	2,54	625226	I	2,98	625326	I	240	140x110	105x80	11	56	156	300								

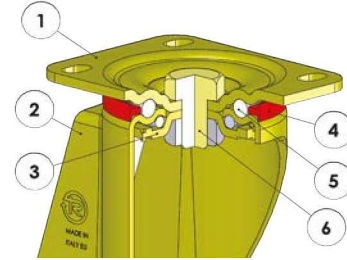
Medium duty brackets M - max carrying capacity 500 daN



- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electroplated galvanised steel
 - 4) Dust seal: blue polyethylene
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: integrated with the plate and cold-riveted
- Available with adjustable total front foot brake

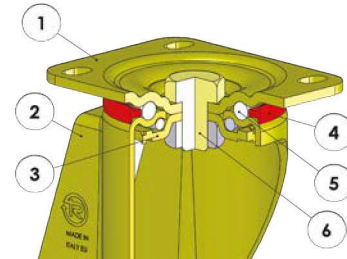
mm		kg		CODE		kg		CODE		kg		CODE		mm		mm		mm		mm		mm		daN	
160	50	2,49	624544	I	2,19	627724	I	2,78	627444	I	199	140x110	105x80	11	58	178	400								
160ER	50	2,43	624534	I	2,13	627734	I	2,72	627434	I	199	140x110	105x80	11	50	178	400								
200	50	3,20	624546	I	2,55	627726	I	3,58	627446	I	240	140x110	105x80	11	50	178	500								
200ER	50	3,11	624536	I	2,40	627736	I	3,49	627436	I	240	140x110	105x80	11	50	178	500								

Medium-heavy duty brackets P - max carrying capacity 500 daN



- 1) Plate: yellow galvanised steel plate
 - 2) Fork: yellow galvanised steel plate
 - 3) Ball race ring: yellow galvanised steel plate
 - 4) Dust seal: orange polyamide
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: steel bolt in grade 8.8 steel and steel nut
- Available with total front foot brake

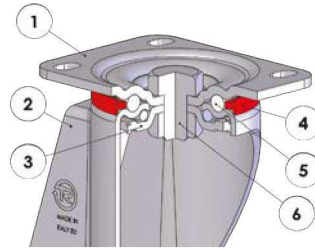
mm		kg		COD.		kg		COD.		mm		mm		mm		mm		daN		daN	
100	40	1,20	627622		0,82	628522		1,35	627222		138	100x85	80x60	9	46	123	230	230	4 km/h	6 km/h	
125	40	1,35	627623		0,93	628523		1,50	627223		161	100x85	80x60	9	44	123	280	280			
125ER	40	1,30	629313		0,88	629413		1,45	629513		161	100x85	80x60	9	44	123	250	250			



- 1) Plate: yellow galvanised steel plate
 - 2) Fork: yellow galvanised steel plate
 - 3) Ball race ring: yellow galvanised steel plate
 - 4) Dust seal: orange polyamide
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: steel bolt in grade 8.8 steel and steel nut
- Available with total adjustable rear foot brake

mm		kg		COD.		kg		COD.		mm		mm		mm		mm		daN		daN	
160	50	3,33	627634		2,00	628534		5,03	627234		205	140x110	105x80	11	70	126	400	360	4 km/h	6 km/h	
160ER	50	3,27	627624		1,94	628524		4,96	627224		205	140x110	105x80	11	70	126	400	360			
200	50	3,82	627636		2,36	628536		4,42	627236		250	140x110	105x80	11	70	126	500	450			
200ER	50	3,73	627626		2,27	628526		4,33	627226		250	140x110	105x80	11	70	126	500	450			

Stainless steel medium-heavy duty brackets PX - max carrying capacity 500 daN



INOX

- 1) Plate: AISI 304 stainless steel
 - 2) Fork: AISI 304 stainless steel
 - 3) Ball race ring: AISI 304 stainless steel
 - 4) Dust seal: orange polyamide
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: screw and nut in stainless steel
- Available with adjustable total rear foot brake

160		160ER		200		200ER		205					250					4 km/h		6 km/h								
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	mm	mm	daN	daN	daN	daN									
160	50	3,33	625434	3,27	625424	2,00	625534	1,94	625524	5,03	625634	4,42	625636	2,27	625526	4,33	625626	205	140x110	105x80	11	70	126	400	360	400	360	
200	50	3,82	625436	2,36	625536	4,42	625636	250	140x110	105x80	11	70	126	500	450	500	450											
200ER	50	3,73	625426	2,27	625526	4,33	625626	250	140x110	105x80	11	70	126	500	450	500	450											