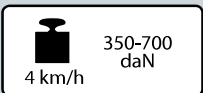
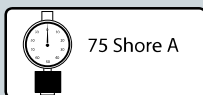


"TR-ROLL" POLYURETHANE WHEELS WITH ERGONOMIC ROUND PROFILE AND ALUMINIUM CENTRE



Description

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

Centre: made of cast aluminium.

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

Uses

The round profile reduces the start-up coefficient when the castors are positioned at 90° from the line of movement and therefore greatly reduces the amount of effort required by the operators when handling trolleys.

Combined with appropriate brackets, they guarantee excellent performance for mechanical handling up to 16 km/h.

Examples of application: trolleys for the automotive industry, lean manufacturing trolleys and whenever a combination of manual/powered handling is involved.

Environments of use

Industrial environments, even in presence of humidity and oils. Not suitable in presence of strong acids and solvents.

WEAK ACIDS	
STRONG ACIDS	
WATER	
ALCOHOL	

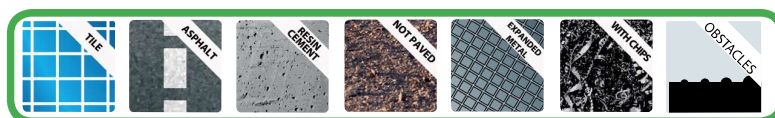
WEAK BASES	
STRONG BASES	
HYDROCARBONS	
SOLVENTS	

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

 	150 kg	250 kg	350 kg	450 kg	550 kg	700 kg
125x40 mm	< 1	1,5	5	----	----	
125x50 mm	< 1	1	2	3		
160 mm	< 1	1	2	3	3,5	
200 mm	< 1	< 1	1	2	3	4

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



Standard-duty brackets NL

Maximum carrying capacity 300 daN - available diameters 125-200 mm
Top plate fitting. Available with front brake.



Medium-duty brackets M

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



Medium-heavy duty brackets P

Maximum carrying capacity 700 daN - available diameters 125-200 mm
Top plate fitting. Available with adjustable rear brake.



Extra-heavy duty brackets EP

Maximum carrying capacity 700 daN - available diameters 160-200 mm
Top plate fitting. Available with adjustable rear brake.



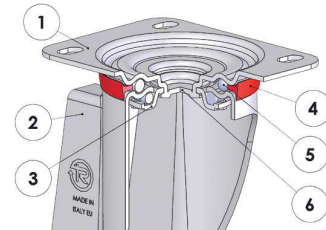
Electrowelded brackets EE MHD

Maximum carrying capacity 700 daN - available diameters 125-200 mm
Top plate fitting. Available with adjustable rear brake.



mm		kg	COD.	kg	COD.	mm				Static	4 km/h	6 km/h	
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	daN	daN	daN	daN
125	40	0,68	622163	0,45	624163	20	40	47	14	500	350	350	350
125	40	0,73	622143	0,51	624143	20	50	47	14	500	350	350	350
125	50	0,88	622153	0,65	624153	20	58	47	14	500	450	450	450
160	50	1,11	622144	0,89	624144	20	58	47	14,5	800	550	550	550
200	50	1,68	622146	1,44	624146	20	58	47	14	1000	700	700	700

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-rievted
- Available with total front foot brake

mm		kg	CODE	kg	CODE	kg	CODE	mm				4 km/h		
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN	
125	40	1.35	628703	1.17	628803	1.51	628903	156	100x85	80x60	9	35	120	220
125	40	1.46	628713	1,11	628813	2,34	628913	166	140x110	105x80	11	57	156	300
160	50	2,95	628704	2,24	628204	3,42	628904	199	140x110	105x80	11	57	156	300
200	50	3,69	628716	3,04	628206	4,07	628916	240	140x110	105x80	11	57	156	300

Options available to order:

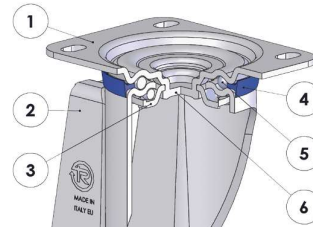


Footguard for brackets NL



Directional lock for brackets NL diam. 160-200 mm

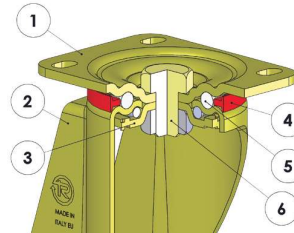
Medium-duty brackets M - max carrying capacity 500 daN



- 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-rieveted
- Available with adjustable total front foot brake

mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN
160	50	2,81	624604	2,10	628204	3,28	627904	199	140x110	105x80	11	58	178	500
200	50	3,52	624606	2,87	628206	3,90	627906	240	140x110	105x80	11	50	178	500

Medium-heavy duty brackets P - max carrying capacity 700 daN



- 1) Plate: galvanised colonial steel plate
 - 2) Fork: galvanised colonial steel plate
 - 3) Ball race ring: galvanised colonial 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

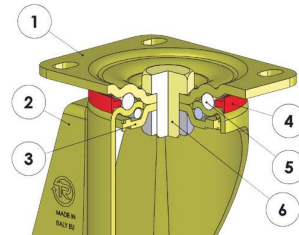
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN	daN
125	40	2,27	629023	1,63	629123	2,83	629523	161	100x85	80x60	9	44	123	350

Options available to order:



Footguard
for brackets
M-P

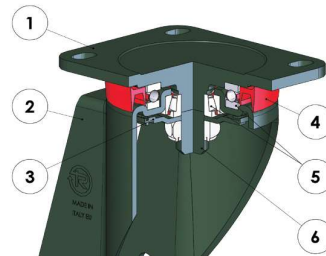
Heavy duty brackets P - max carrying capacity 700 daN



- 1) Plate: galvanised colonial steel plate
 - 2) Fork: galvanised colonial steel plate
 - 3) Ball race ring: galvanised colonial 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 adjustable total rear foot brake

mm		kg		COD.		kg		COD.		mm		mm		mm		mm		daN		daN	
125	40	2,27	629003	1,63	629103	2,83	629203	170	140x110	105x80	11	70	126	350	350						
125	50	2,42	629013	2,78	629113	2,95	629213	170	140x110	105x80	11	70	126	450	400						
160	50	3,46	629004	2,28	629104	4,27	629204	205	140x110	105x80	11	70	126	550	550						
200	50	4,14	629006	2,68	629106	4,74	629206	250	140x110	105x80	11	70	126	700	700						

Extra-heavy duty brackets EP - max carrying capacity 700 daN



- 1) Plate: green galvanised forged steel
 - 2) Fork: green galvanised forged steel
 - 3) Lower bearing protection ring
 - 4) Dust seal: orange polyethylene
 - 5) Swivel actions: axial ball bearing and tapered roller bearing
 - 6) King pin: integrated with the machine-processed plate
- Available with adjustable total rear foot brake

mm		kg		COD.		kg		COD.		mm		mm		mm		mm		daN		daN	
160	50	3,62	629304	3,21	629404	4,14	629504	205	135x110	105x80	11	70	126	550	550						
200	50	4,40	629306	3,96	629406	4,97	629506	250	135x110	105x80	11	70	126	700	700						

Options available to order:

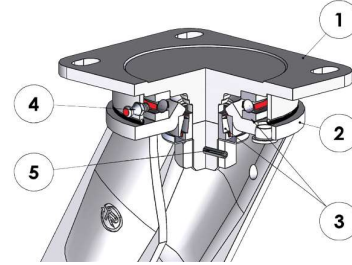


Footguard for brackets P



Directional lock for brackets P diam. 160-200 mm

Electrowelded brackets EE MHD - max carrying capacity 700 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		kg		kg		mm		mm		mm		mm		daN	
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	mm	mm	4 km/h	6 km/h
125	40	3,65	629603	2,67	629703	4,53	629803	182	135x110	105x80	11	51	157			350	350
125	50	3,80	629613	2,82	629713	4,68	629813	182	135x110	105x80	11	51	157			450	400
160	50	4,11	629604	3,12	629704	4,99	629804	215	135x110	105x80	11	60	157			550	550
200	50	4,80	629606	3,82	629706	6,14	629806	252	135x110	105x80	11	70	157			700	700

Options available to order:



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