SERIES 62 BS

"TR-ROLL" POLYURETHANE WHEELS WITH ALUMINIUM CENTRE

80-200 mm

75 Shore A

160-700 daN
4 km/h

160-700 daN

-20 / +70 °C



Description

Tyre: TR-Roll polyurethane, hardness 75 Shore A, with 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

They show excellent rolling resistance and ability to damp noise when manually handling medium/heavy- duty loads, for mostly indoor use, on regular floors or slightly uneven surfaces with small obstacles.
Not suitable for mechanical handling.
Examples of applications: trolleys for indoor industrial handling, containers, manual pallet trucks, tilt trucks.

Environments of use

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

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, cement-resin, asphalt and expanded metal.
Not suitable on unpaved floors and/or in case large obstacles are present.



Force required to push or tow a wheel

	150 kg	250 kg	350 kg	450 kg	550 kg	700 kg
80 mm	2,5	----	----	----	----	----
100 mm	2,2	----	----	----	----	----
125 mm	1	2,3	----	----	----	----
150 mm	<1	1,7	2,7	3,8	----	----
160 mm	<1	1,4	2,3	3,5	4,9	----
200 mm	<1	1,2	1,8	2,6	3,4	4,6

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 80-200 mm
Top plate fitting. Available with front brake.



Medium-duty brackets M
Maximum carrying capacity 500 daN - available diameters 150-200 mm
Top plate fitting. Available with adjustable front brake.



Medium-heavy duty brackets P
Maximum carrying capacity 700 daN - available diameters 100-200 mm
Top plate fitting. Available with front brake and adjustable rear brake.

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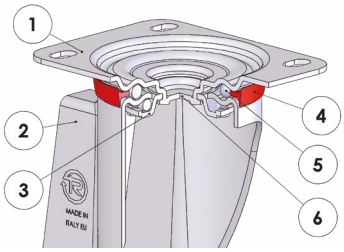
										Static		4 km/h
mm	mm	kg	COD.	kg	COD.	mm	mm.	mm	mm	daN	daN	daN
80	25	0,20	622181	0,15	624181	12	30	28	8	**230**	**160**	**160**
100	30	0,34	622182	0,25	624182	12	40	32	10	**300**	**200**	**200**
125	35	0,50	622183	0,41	624183	12	40	32	10	**400**	**250**	**250**
150	40	0,83	622184	0,59	624184	20	50	47	14	**750**	**450**	**450**
160	50	1,23	622185	0,99	624185	20	58	47	14	**850**	**550**	**550**
200	50	1,47	622186	1,16	624186	20	55	52	15	**1000**	**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: 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

																4 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	mm	mm	daN
80	25	0,72	625951	0,52	626751	0,91	627151	107	100x85	80x60	9	40	120	**160**
100	30	0,81	625952	0,67	626752	1,08	627152	128	100x85	80x60	9	35	120	**200**
125	35	1,05	625953	0,83	626753	1,28	627153	156	100x85	80x60	9	37	120	**220**
150	40	2,19	625954	2,00	626754	2,63	627154	194	140x110	105x80	11	56	156	**300**
160	50	2,40	625960	2,29	626760	2,97	627160	198	140x110	105x80	11	56	156	**300**
200	50	2,86	625956	2,90	626756	3,12	627156	240	140x110	105x80	11	56	156	**300**

Options available to order:



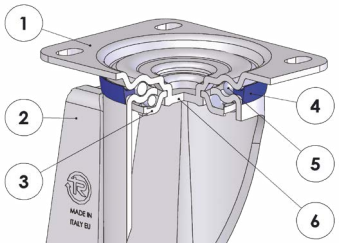
Directional lock for brackets d. 150-200 mm



Footguards for brackets NL-M-P-PT

Medium-duty brackets M - max carrying capacity 500 daN





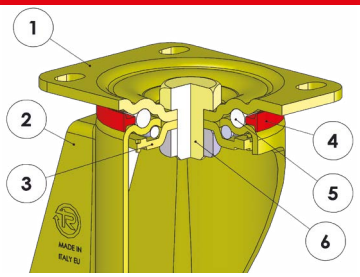
1) Plate: electrolytically galvanised steel plate
2) Fork: electrolytically galvanised steel plate
3) Ball race ring: electrolytically galvanised steel plate
4) Dust seal: orange polyethylene
5) Swivel actions: double ball ring with grease lubrication
6) King pin: integrated with the plate and cold-riveted

Available with total front foot brake

		kg	COD.		kg	COD.		kg	COD.						4 km/h
mm	mm									mm	mm	mm	mm	mm	mm	daN
150	40	2,47	624514		2,00	626754		2,91	627414	194	140x110	105x80	11	58	178	**450**
160	50	2,71	624510		2,29	626760		3,15	627410	199	140x110	105x80	11	58	178	**500**
200	50	3,30	624516		2,90	626756		3,74	627416	240	140x110	105x80	11	50	178	**500**

Medium-heavy duty brackets P - max carrying capacity 700 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

		kg	COD.		kg	COD.		kg	COD.						4 km/h
mm	mm									mm	mm	mm	mm	mm	mm	daN
100	30	1,20	627612		0,78	628542		1,35	627212	138	100x85	80x60	9	46	123	**200**
125	35	1,60	627633		0,98	628543		1,52	627233	161	100x85	80x60	9	44	123	**250**

Options available to order:



Footguards for brackets NL-M-P-PT

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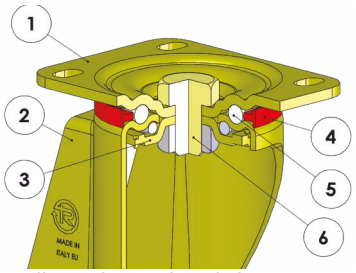
Medium-heavy duty brackets P - max carrying capacity 700 daN





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 adjustable total rear foot brake

														4 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN
150	40	3,18	627614	2,19	628544	3,75	627244	200	140x110	105x80	11	70	126	**450**
160	50	3,52	627620	2,53	628550	4,09	627220	205	140x110	105x80	11	70	126	**550**
200	50	3,94	627616	2,48	628546	4,51	627216	250	140x110	105x80	11	70	126	**700**

Options available to order:



Directional lock for brackets P d. 150-200 mm



Footguards for brackets NL-M-P-PT