SERIES 62GH

"TR-ROLL" POLYURETHANE WHEELS WITH CAST IRON CENTRE

150-400 mm

75 Shore A

550-1700 daN
4 km/h

550-1700 daN
6 km/h

550-900 daN

-20 / +70 °C



Technical features

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

Centre: cast iron.

Hub with shielded ball bearing press-fitted in the seats obtained by precision turning on the centre; also available without bearings.

Uses

Innovative product, which combines an excellent rolling resistance with the ability to damp down vibrations and overcoming obstacles and very good performance and durability in case of heavy usages and mechanical handling at speeds up to 16 km/h.
Examples of applications: mechanically handled trolleys in automotive industries, logistics,
carpentries; AGV trolleys; electrical pallet trucks.

Environments of use

Designed for industrial environments, even in in the presence of alcohols, glycols, hydrocarbons.
Not recommended in areas with organic acids and mineral acids, base solutions and saturated steam. In case of use in particularly aggressive environments, it is possible to use a protective lacker available on request.

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 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

	200 kg	400 kg	600 kg	800 kg	1000 kg	1200 kg	1400 kg	1600 kg
150 mm	1,5	3,5	---	---				
200x50 mm	<1	2,5	4	6	---	---	---	---
200x80 mm	<1	2	3,5	5,5	---	---	---	---
250 mm	<1	1,5	3	5	7	9	---	---
300 mm	<1	1	2,5	4,5	6	8	10	---
400 mm	<1	<1	1	3	5,5	7	8	10

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



Heavy-duty PT brackets with hardened ball race grooves
Maximum carrying capacity 800 daN - available diameters 150-200 mm
Top plate fitting. Available with adjustable rear brake.



Extra-heavy duty brackets EP
Maximum carrying capacity 900 daN – available diameters 150-200 mm
Top plate fitting. Available with adjustable rear brake.



Electrowelded brackets EE MHD
Maximum carrying capacity 800 daN – available diameters 150-200 mm
Top plate fitting. Available with adjustable rear brake.



Electrowelded brackets EE HD-EE EHD
Maximum carrying capacity 1700 daN – available diameters 200-400 mm
Top plate fitting. Available with adjustable rear brake (only EE HD).

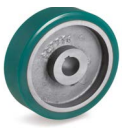


Twin electrowelded brackets EEG HD-EEG EHD
Maximum carrying capacity 2800 daN – available diameters 150-400 mm
Top plate fitting.



Electrowelded sprung loaded brackets EES MHD
Maximum carrying capacity 800 daN - available diameter 150-200 mm
Top plate fitting. Available with adjustable front brake.

Options available to order:



Wheel with key housing

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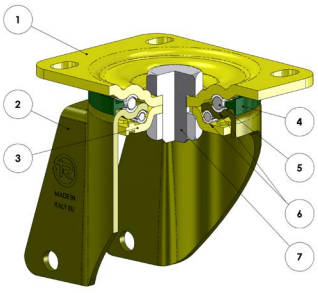
										Static		4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	mm	mm.	mm	mm	daN	daN	daN	daN
150	50	2,40	622164	2,18	624164	20	55	47	14	**900**	**550**	**550**	**550**
200	50	3,40	622126	3,17	624126	20	55	47	14	**1000**	**700**	**800**	**800**
200	78	6,63	622136	6,14	624136	25	88	62	18	**1200**	**750**	**900**	**900**
250	78	8,50	622127	8,00	624127	25	86	62	17	**1600**	**800**	**1200**	**1200**
300	78	11,50	622128	11,00	624128	30	86	62	17	**1900**	**850**	**1400**	**1400**
400	100	33,50	622109	32,70	624109	40	100	80	18	**2000**	**900**	**1700**	**1700**

Heavy-duty PT brackets with hardened ball race grooves - Max. carrying capacity 800 daN





1) Top Plate: yellow galvanised steel plate
2) Fork: yellow galvanised steel plate
3) Ball Race Ring: yellow galvanised steel plate
4) Dust Seal: dark green polyamide 6
5) Swivel actions: double ball ring with grease lubrication
6) Ball race: hardened carbon steel grooves
7) King pin: steel screw, class 8.8 and stainless steel nut
Available with rear adjustable brake

															4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN	daN
150	50	4,57	627644	3,45	628654	5,23	627264	200	140x110	105x80	11	70	126	**550**	**550**
200	50	5,80	627646	5,42	628656	6,35	627246	250	140x110	105x80	11	70	126	**800**	**800**

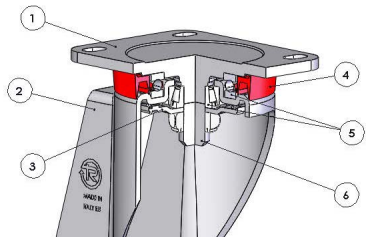
Options available to order:



Wheel with key housing

Extra-heavy duty brackets EP - Max. carrying capacity 900 daN





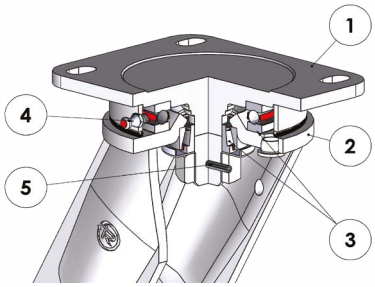
1) Plate: white galvanised forged steel
2) Fork: white galvanised forged steel
3) Lower bearing protection ring
4) Dust seal: orange polyethylene
5) Swivel actions: axial ball bearing and tapered roller bearing
6) King pin: integrated with the machine-processed plate

Available with adjustable total rear foot brake

															4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN	daN
150	50	4,94	627854	4,53	628854	5,46	626654	200	135x110	105x80	11	70	126	**550**	**550**
200	50	6,10	627856	5,81	628856	6,70	626646	250	135x110	105x80	11	70	126	**800**	**800**
200	78	12,05	627866	10,21	628866			275	175x140	140x105	14	66		**900**	**900**

Electrowelded brackets EE MHD - Max. carrying capacity 800 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

															4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN	daN
150	50	5,40	628304	4,41	628404	6,28	628504	210	135x110	105x80	11	70	157	**550**	**550**
200	50	6,54	628316	5,56	628416	7,42	628616	252	135x110	105x80	11	70	157	**800**	**800**

Options available to order:



Directional lock
for brackets EE MHD
- EE HD - EEG MHD - EES MHD:
see page 428

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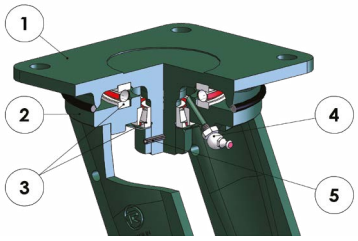
Electrowelded brackets EE HD - Max. carrying capacity 1400 daN



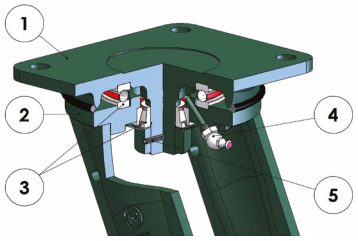


1) Plate: forged steel with integrated pin
2) Fork: deep-drawn legs electro-welded to the flange
3) Swivel actions: axial ball bearing and tapered roller bearing
4) Grease nipple
5) Anti-loosening system nut
Available with adjustable total rear foot brake

		kg		kg		kg								4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN	daN
200	80	13,10	628706	11,56	628806	13,98	628906	275	175x140	140x105	14,5	65	166	**900**	**900**
250	80	15,19	628708	13,60	628808	16,07	628908	320	175x140	140x105	14,5	74	166	**1200**	**1200**
300	80	18,31	628718	16,69	628818	19,19	628918	360	175x140	140x105	14,5	81	166	**1400**	**1400**

Electrowelded brackets EE EHD - Max. carrying capacity 1700 daN



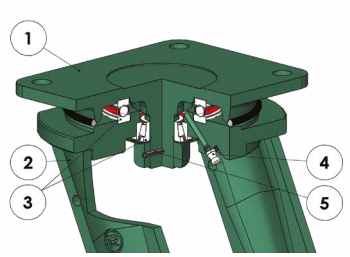


1) Plate: forged steel with integrated pin
2) Fork: deep-drawn legs electro-welded to the flange
3) Swivel actions: axial ball bearing and tapered roller bearing
4) Grease nipple
5) Anti-loosening system nut
Available with adjustable total rear foot brake

		kg									4 km/h	6 km/h		
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN	daN		
400	100	49,55	628729	44,85	628829	475	250x200	210x160	19	95	**1700**	**1700**		

Twin electrowelded brackets EEG HD - max carrying capacity 1600 daN



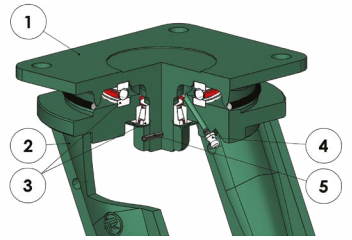


1) Plate: forged steel with integrated pin
2) Fork: deep-drawn legs electro-welded to the flange
3) Swivel actions: axial ball bearing and tapered roller bearing
4) Grease nipple
5) Anti-loosening system nut

											4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN	daN
150	50+50	12,90	628054	8,50	648154	223	175x140	140x105	14	50	**1100**	**1100**
200	50+50	15,40	628056	10,80	648156	280	175x140	140x105	14	65	**1600**	**1600**

Twin electrowelded brackets EEG EHD - max carrying capacity 2800 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

											4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN	daN
200	78+78	33,58	628086	23,83	628186	280	250x200	210x160	19	52	**1800**	**1800**
250	78+78	37,70	628077	27,90	628177	330	250x200	210x160	19	62	**2400**	**2400**
300	78+78	45,40	628078	35,40	628178	385	250x200	210x160	19	75	**2800**	**2800**

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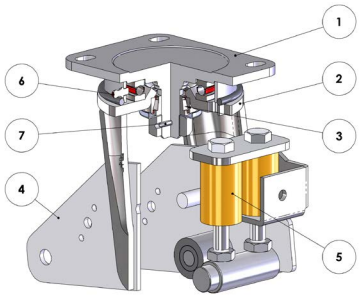
Electrowelded sprung-loaded brackets EES MHD - max carrying capacity 800 daN - damping up to 400 daN





1) Top plate: electrolytically galvanised forged steel with integrated pin.
2) Main fork: deep-drawn legs electrowelded to the flange and electrolitically galvanised U-shaped component electrowelded to the legs.
3) Swivel actions: axial ball bearing and tapered roller bearing
4) spring-hinged plates: plates electrowelded to the axle
5) Polyurethane springs
6) Grease nipple
7) Anti-loosening locknut system
Available with adjustable front lock

		kg		kg		kg										MIN	MAX	4 km/h	6 km/h
mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	mm	daN	daN	daN	daN
150	50	8,22	625704	6,97	625804	9,28	626004	243	135x110	105x80	11	100	240	25	50	**400**	**550**	**550**
200	50	9,22	625706	7,97	625806	10,33	626006	268	135x110	105x80	11	100	265	25	50	**400**	**800**	**800**

Spring travel (mm): maximum difference in the total height of the group wheel + support depending on the spring tension

Initial tension (daN): in case of lighter loads than indicated, the bracket works with no damping

Spring tension (daN): in case of heavier loads than indicated, the bracket works with no damping

Options available to order:



Directional lock
for brackets EE MHD
- EE HD - EEG MHD - EES MHD:
see page 428