		
mm	mm	kg	COD.	kg	COD.	mm	mm.	mm	mm	daN	daN	daN	daN		
80	28	0,51	632151	0,46	634151	12	32	28	8	370	190	280	220		
100	38	1,02	632152	0,91	634152	15	40	35	11	500	220	380	300		
125	38	1,45	632153	1,34	634153	15	40	35	11	600	240	450	360		
125	50	1,98	632163	1,76	634163	20	55	47	14	800	270	600	440		
125	50	1,96	632363	1,76	634163	25	55	47	14	800	270	600	440		
150	50	2,50	632154	2,28	634154	20	55	47	14	910	290	700	560		
150	50	2,48	632354	2,28	634154	25	55	47	14	910	290	700	560		
160	50	2,65	632164	2,43	634164	20	55	47	14	1000	300	750	600		
160	50	2,63	632364	2,43	634164	25	55	47	14	1000	300	750	600		
180	50	3,02	632155	2,80	634155	20	55	47	14	1100	350	900	720		
200	50	3,65	632156	3,43	634156	20	55	47	14	1500	380	1000	800		
200	50	3,63	632356	3,43	634156	25	55	47	14	1500	380	1000	800		
200	78	7,26	632166	6,74	634166	25	86	62	17	2000	450	1600	1300		
200	78	7,24	632366	6,74	634166	30	86	62	17	2000	450	1600	1300		
250	60	8,13	632157	7,61	634157	25	65	62	17	2500	480	1500	1200		
250	60	8,10	632357	7,61	634157	30	65	62	17	2500	480	1500	1200		
250	78	9,81	632167	9,29	634167	25	86	62	17	2800	500	1900	1500		
250	78	9,80	632367	9,29	634167	30	86	62	17	2800	500	1900	1500		
300	60	11,43	632158	10,96	634158	30	65	62	17	3200	550	1750	1400		
300	78	13,80	632168	13,33	634168	30	86	62	17	3400	600	2300	1800		

Options available to order:

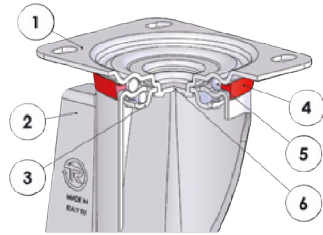


Wheel with key housing



Wheel with very thick tyre

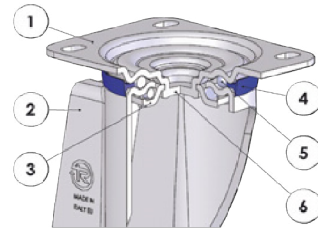
Standard-duty brackets NL - max carrying capacity 300 daN



- 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	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN
80	28	0.95	634551	0.82	634651	1.11	635451	107	100x85	80x60	9	37	120	200
100	38	1.51	634552	1.40	634652	1.67	635452	128	100x85	80x60	9	35	120	200
125	38	1.97	634553	1.86	634653	2.13	635453	156	100x85	80x60	9	37	120	220
125	50	3.38	634563	2.89	634663	3.58	635463	166	140x110	105x80	11	57	156	300
150	50	3.87	634554	3.59	634654			194	140x110	105x80	11	56		300
160	50	3.98	634564	3.71	634664	4.23	635474	199	140x110	105x80	11	56	156	300
180	50	4.48	634555	4.21	634655	4.68	635465	220	140x110	105x80	11	56	156	300
200	50	5.16	634556	4.92	634656	5.36	635466	240	140x110	105x80	11	56	156	300

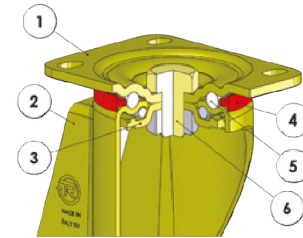
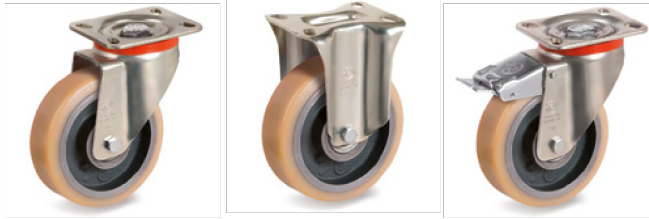
Medium-duty brackets M - max carrying capacity 500 daN



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

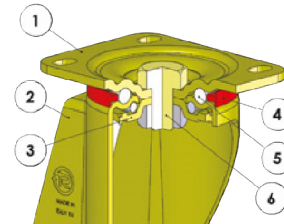
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN
150	50	4.21	637424	3.59	634654	4.65	636724	194	140x110	105x80	11	58	178	500
160	50	4.33	637434	3.71	634664	4.78	636734	199	140x110	105x80	11	58	178	500
200	50	5.55	637426	4.92	634656	5.91	636726	240	140x110	105x80	11	50	178	500

Heavy-duty brackets P - max carrying capacity 750 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		kg	CODE	kg	CODE	kg	CODE							4 km/h	6 km/h
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN
80	28	1.38	635851	0.96	636851			128	100x85	80x60	9	46		280	220
100	38	1.93	635852	1.52	636852	2.06	634852	138	100x85	80x60	9	46	123	350	300
125	38	2.37	635853	2.04	636853	2.50	634853	161	100x85	80x60	9	44	123	350	300



- 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 adjustable rear foot brake

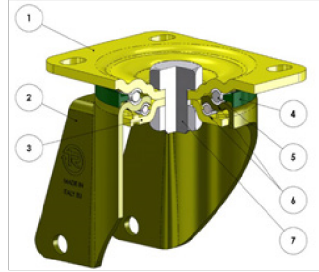
mm		kg	CODE	kg	CODE	kg	CODE							4 km/h	6 km/h
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN
125	50	3.66	635863	2.65	636863	4.24	634863	170	140x110	105x80	11	70	126	550	440
150	50	4.81	635854	3.55	636854	5.33	634854	200	140x110	105x80	11	70	126	700	560
160	50	4.93	635864	4.08	636864	5.45	634864	205	140x110	105x80	11	70	126	750	600
180	50	5.30	635855	4.45	636855	5.90	634855	228	140x110	105x80	11	70	126	750	600
200	50	6.06	635856	5.15	636856	6.66	634856	250	140x110	105x80	11	70	126	750	600

Options available to order:



Footguard
for brackets
NL-M-P-PT

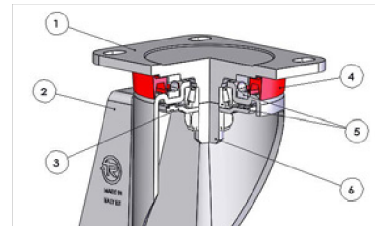
Heavy-duty PT brackets with hardened ball race grooves - max carrying capacity 900 daN



- 1) Top Plate: electrolytically galvanized steel plate
 - 2) Fork: electrolytically galvanized steel plate
 - 3) Ball Race Ring: electrolytically galvanized 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

mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	daN	daN
150	50	4,81	635004	3,55	636854	5,33	639904	200	140x110	105x80	11	70	126	700	560
160	50	4,93	635014	4,08	636864	5,45	639914	205	140x110	105x80	11	70	126	750	600
180	50	5,30	635005	4,45	636855	5,90	639905	228	140x110	105x80	11	70	126	900	720
200	50	6,06	635006	5,15	636856	6,66	639906	250	140x110	105x80	11	70	126	900	800

Extra-heavy duty brackets EP - max carrying capacity 1600 daN



- 1) Plate: white galvanized forged steel
 - 2) Fork: white galvanized 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

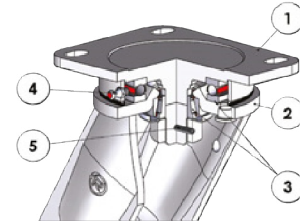
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN
100	38	2.15	637852	1.92	638852			140	100x85	80x60	9	46		350	300
125	38	2.64	637853	2.44	638853			164	100x85	80x60	9	48		350	300
150	50	5.04	637854	4.63	638854	5.56	636654	200	135x110	105x80	11	70	126	700	560
160	50	5.16	637864	4.75	638864	5.68	636664	205	135x110	105x80	11	70	126	750	560
180	50	5.60	637855	5.20	638855	6.20	636655	228	135x110	105x80	11	70	126	900	720
200	50	6.35	637856	6.06	638856	6.95	636656	250	135x110	105x80	11	70	126	1000	800
200	80	12.30	637866	10.46	638866			275	175x140	140x105	14	66		1600	1300
250	60	13.16	637857	11.32	638857			300	175x140	140x105	14	66		1500	1200

Options available to order:



Footguard for brackets
NL-M-P-PT

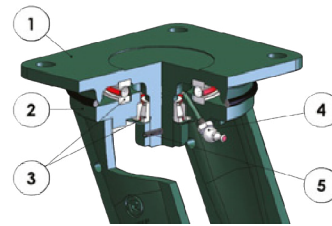
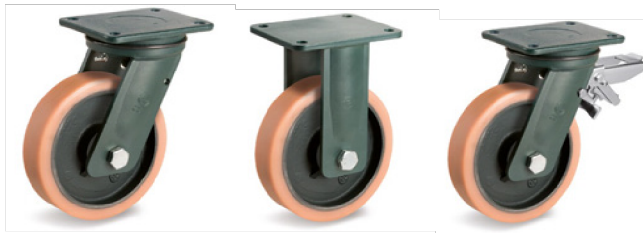
Electrowelded brackets EE MHD - max carrying capacity 1000 daN



- 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	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN
125	50	4.88	638303	3.90	638403	5.76	638903	182	135x110	105x80	11	51	157	600	440
150	50	5.50	638304	4.51	638404	6.38	638904	210	135x110	105x80	11	60	157	700	560
160	50	5.65	638314	4.66	638414	6.53	638914	215	135x110	105x80	11	60	157	750	600
180	50	6.14	638305	5.16	638405	7.02	638905	242	135x110	105x80	11	70	157	900	720
200	50	6.77	638306	5.79	638406	7.65	638906	252	135x110	105x80	11	70	157	1000	800

Electrowelded brackets EE HD - max carrying capacity 2300 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	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	daN
200	80	13.72	638316	12.18	638416	14.60	638916	275	175x140	140x105	14	65	166	1600	1300
250	60	14.82	638307	13.23	638407	15.70	638907	320	175x140	140x105	14	74	166	1500	1200
250	80	16.50	638317	14.91	638417	17.38	638917	320	175x140	140x105	14	74	166	1600	1300
250	80	17.56	638327	15.23	638427	18.44	638927	325	200x160	160x120	17	74	166	1900	1500
300	60	18.24	638308	16.62	638408	19.12	638908	360	175x140	140x105	14	81	166	1600	1300
300	60	19.30	638328	16.95	638428	20.18	638928	365	200x160	160x120	17	81	166	1750	1400
300	80	20.61	638318	18.99	638418	21.49	638918	360	175x140	140x105	14	81	166	1600	1300
300	80	21.67	638338	19.32	638438	22.55	638938	365	200x160	160x120	17	81	166	2300	1800

Options available to order:

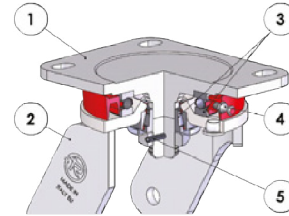


Directional lock
for brackets EE MHD
- EE HD - EED MHD - EES
MHD: see page 365-367



Bracket
EE MHD
with steering
system

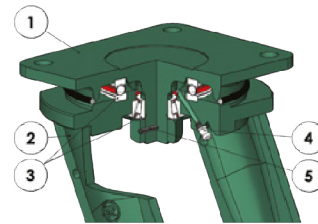
Twin electrowelded brackets EEG MHD - max carrying capacity 900 daN



- 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

mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	4 km/h	6 km/h
100	38+38	4.50	638062	3.75	638162	140	135x110	105x80	11	55	700	600
125	38+38	5.45	638063	4.70	638163	170	135x110	105x80	11	55	900	720

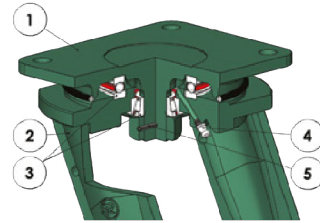
Twin electrowelded brackets EEG HD - max carrying capacity 2000 daN



- 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

mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	4 km/h	6 km/h
125	50+50	11.00	638072	7.70	638172	210	175x140	140x105	14	50	1200	880
150	50+50	13.10	638074	8.70	638174	223	175x140	140x105	14	50	1400	1100
160	50+50	13.40	638084	9.00	638184	228	175x140	140x105	14	50	1500	1200
200	50+50	15.90	638066	11.30	638166	280	175x140	140x105	14	65	1600	1300
200	50+50	17.55	638076	12.70	638176	285	200x160	160x120	17	65	2000	1600

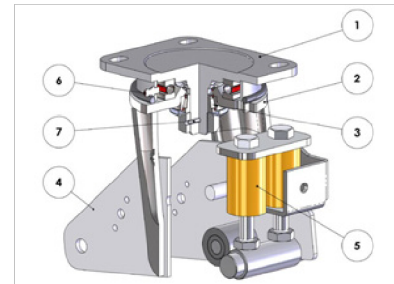
Twin electrowelded brackets EEG MHD - max carrying capacity 3500 daN



- 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

mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN	daN
200	80+80	34.80	638086	25.05	638186	280	250x200	210x160	19	52	3200	2500
250	60+60	36.95	638067	27.20	638167	330	250x200	210x160	19	62	3000	2400
250	80+80	40.30	638077	30.55	638177	330	250x200	210x160	19	62	3500	2800

Electrowelded sprung-loaded brackets EES MHD - max carrying capacity 1000 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 electrolytically 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 system nut

mm	mm	kg	COD.	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	mm	mm	daN	daN	daN	daN
160	50	8,47	639304	7,22	639404	9,53	639504	248	135x110	105x80	11	100	240	25	50	400	750	600
200	50	9,47	639306	7,82	639406	10,18	639506	268	135x110	105x80	11	100	265	25	50	400	1000	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 - EED MHD - EES MHD: see page 365-367