

INDUSTRIAL LIGHT DUTY LOADS



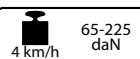


SERIES
22

GREY RUBBER WHEELS
WITH POLYPROPYLENE CENTRE



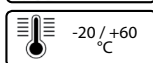
80-200
mm



65-225
daN



50-140
daN



-20 / +60
°C

INOX

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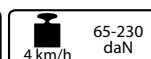


SERIES
23

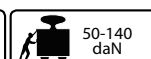
GREY RUBBER WHEELS
PRESSED STEEL DISCS



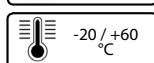
80-200
mm



65-230
daN



50-140
daN



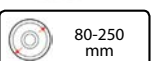
-20 / +60
°C

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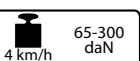


SERIES
52

BLACK RUBBER WHEELS
WITH POLYPROPYLENE CENTRE



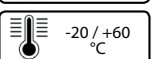
80-250
mm



65-300
daN



50-175
daN



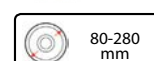
-20 / +60
°C

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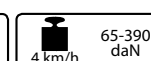


SERIES
53

BLACK RUBBER WHEELS
PRESSED STEEL DISCS



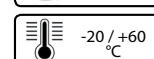
80-280
mm



65-390
daN



50-200
daN



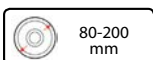
-20 / +60
°C

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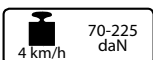


SERIES
71

THERMOPLASTIC RUBBER WHEELS
WITH POLYPROPYLENE CENTRE



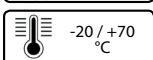
80-200
mm



70-225
daN



70-225
daN



-20 / +70
°C

INOX

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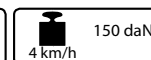


SERIES
82

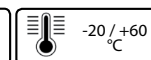
PNEUMATIC WHEELS
WITH POLYPROPYLENE CENTRE



260 mm



150 daN



-20 / +60
°C

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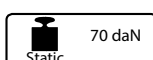


SERIES
82⁺

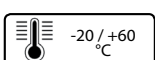
PUNCTURE-PROOF PNEUMATIC WHEELS
WITH POLYPROPYLENE CENTRE



260 mm



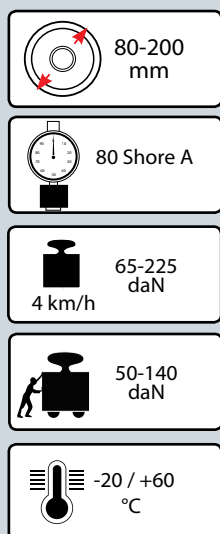
70 daN
Static



-20 / +60
°C

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GREY NON-MARKING RUBBER WHEELS WITH POLYPROPYLENE CENTRE



INOX



Description

Tyre: grey non-marking standard rubber, hardness 80 Shore A

Centre: polypropylene.

Hub with plain bore which directly houses the axle.

Hub with cylindrical roller bearing with plastic cage.

Uses

Suitable for trolleys with light-duty loads, also in the presence of obstacles and for indoor-outdoor use.

The grey non-marking rubber tyre makes them suitable for use on fragile floors as well as in domestic/institutional environments.

Examples of recommended applications: luggage trolleys, tool trolleys, small mobile scaffoldings, waste bin containers.

Environments of use

Suitable for industrial and institutional environments, also in the presence of humidity and weak acids. Not suitable in presence of strong acids, bases and solvents.

Fitted with stainless steel brackets, they are also suitable in presence of medium-harsh chemical agents.

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 floors, even outdoors.

They facilitate overcoming of obstacles.

They do not damage or mark floors.



Force required to push or tow a wheel

 	50 kg	100 kg	150 kg	200 kg	225 kg
80 mm	5	----	----	----	----
100 mm	2.5	----	----	----	----
125 mm	2.2	6	----	----	----
140 mm	2	5.5	----	----	----
150 mm	2	5	----	----	----
160 mm	1.5	3.5	7.5	----	----
180 mm	1	3.2	6	----	----
200 mm	1	3	5.5	8.5	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



Standard-duty brackets NL

Maximum carrying capacity 225 daN - available diameters 80-200 mm
Top plate and bolt hole fittings. Available with front brake.



Stainless steel standard-duty brackets NLX

Maximum carrying capacity 225 daN - available diameters 80-200 mm
Top plate and bolt hole fittings. Available with front brake.

Options available to order:










The series 22 wheels are also available with assembled thread guards. To order them add the "PF" suffix to the product code. To order loose thread guards see the Accessories section.












Wheels
with SL bracket
d. 80-125 mm

GREY NON-MARKING RUBBER WHEELS WITH POLYPROPYLENE CENTRE



															
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	25	0.11	222101	12	39	150	50	65							
100	30	0.21	222102	12	44	200	75	80							
125	37.5	0.41	221103	15	44	225	85	110							
140	37.5	0.60	221104	15	44	250	95	120							
150	40	0.67	221111	15	44	275	100	130							
160	40	0.73	221110	20	59	300	120	150							
180	45	1.02	221105	20	59	350	130	180							
200	50	1.51	221106	20	59	400	140	225							





































															
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	25	0.14	224101	12	39	150	50	65							
100	30	0.24	224102	12	44	200	75	80							
125	37.5	0.44	223103	15	44	225	85	110							
140	37.5	0.63	223104	15	44	250	95	120							
150	40	0.70	223111	15	44	275	100	130							
160	40	0.75	223110	20	59	300	120	150							
200	50	1.84	223106	20	59	400	140	225							

Standard-duty brackets NL - max carrying capacity 225 daN

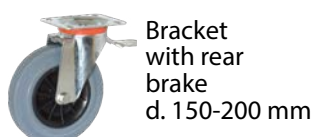


- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Dust seal: orange polyethylene
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: integrated with the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

																
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN	
80	25	0.64	224401	0.36	225701	0.82	225201	107	100x85	80x60	9	37	120	65		
100	30	0.73	224402	0.48	225702	0.88	225202	128	100x85	80x60	9	35	120	80		
125	37.5	1.06	224403	0.71	225703	1.20	225203	156	100x85	80x60	9	37	120	110		
140	37.5	1.18	224404	0.80	225704	1.32	225204	177	100x85	80x60	9	34	120	120		
150	40	1.31	224411	0.93	225711	1.45	225211	182	100x85	80x60	9	34	120	130		
160	40	2.10	224410	1.73	225710	2.38	225210	199	140x110	105x80	11	56	156	150		
180	45	2.40	224405	2.11	225705	2.69	225205	219	140x110	105x80	11	56	156	180		
200	50	2.72	224406	2.50	225706	3.00	225206	240	140x110	105x80	11	56	156	225		

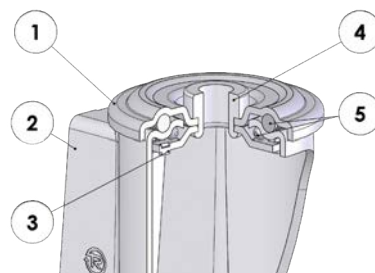
																
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN	
80	25	0.69	224601	0.39	225901	0.86	225221	107	100x85	80x60	9	37	120	65		
100	30	0.78	224602	0.51	225902	0.93	225222	128	100x85	80x60	9	35	120	80		
125	37.5	1.09	224603	0.73	225903	1.24	225223	156	100x85	80x60	9	37	120	110		
140	37.5	1.20	224604	0.82	225904	1.35	225224	177	100x85	80x60	9	34	120	120		
150	40	1.31	224611	0.93	225911	1.45	225231	182	100x85	80x60	9	34	120	130		
160	40	2.18	224610	1.75	225910	2.47	225230	199	140x110	105x80	11	56	156	150		
200	50	2.76	224606	2.67	225906	3.04	225226	240	140x110	105x80	11	56	156	225		

Options available to order
















GREY NON-MARKING RUBBER WHEELS WITH POLYPROPYLENE CENTRE

Standard-duty brackets NL - max carrying capacity 225 daN



- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) King pin: bushing in electrolytically galvanised steel
 - 5) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN	4 km/h				
80	25	0.55	227701	0.68	225601	107	73	12	37	120	65					
100	30	0.68	227702	0.75	225602	128	73	12	35	120	80					
125	37.5	0.96	227703	1.10	225603	156	73	12	37	120	110					
140	37.5	1.12	227704	1.26	225604	177	73	12	34	120	120					
150	40	1.25	227711	1.39	225611	182	73	12	34	120	130					
160	40	1.44	227710	1.73	225610	193	102	20	56	156	150					
180	45	2.28	227705	2.57	225605	214	102	20	56	156	180					
200	50	2.62	227706	2.91	225606	236	102	20	56	156	225					

80	25	0.58	227901	0.70	225621	107	73	12	37	120	65					
100	30	0.71	227902	0.78	225622	128	73	12	35	120	80					
125	37.5	1.08	227903	1.23	225623	156	73	12	37	120	110					
140	37.5	1.19	227904	1.34	225624	177	73	12	34	120	120					
150	40	1.35	227911	1.50	225631	182	73	12	34	120	130					
160	40	1.47	227910	1.75	225630	193	102	20	56	156	150					
200	50	2.80	227906	3.08	225626	236	102	20	56	156	225					

Options available to order



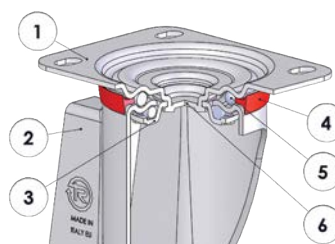
Fitting
with stem
in Zamak alloy
d. 80-125 mm



















Fitting
with threaded
stem
d. 80-200 mm

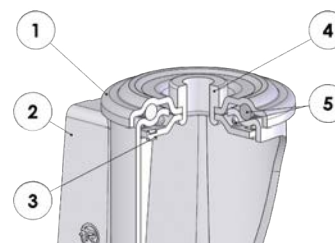
Stainless steel standard-duty brackets NLX - max carrying capacity 225 daN

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 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

																
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN		
80	25	0.59	224801	0.33	226101	0.76	225401	107	100x85	80x60	9	37	120	65		
100	30	0.70	224802	0.45	226102	0.88	225402	128	100x85	80x60	9	35	120	80		
125	37.5	0.96	224803	0.80	226103	1.10	225403	156	100x85	80x60	9	37	120	110		
140	37.5	1.10	224804	0.88	226104	1.25	225404	177	100x85	80x60	9	34	120	120		
150	40	1.24	224811	1.02	226111	1.38	225411	182	100x85	80x60	9	34	120	130		
160	40	2.04	224810	1.60	226110	2.31	225410	199	140x110	105x80	11	56	156	150		
180	45	2.34	224805	1.90	226105	2.63	225405	219	140x110	105x80	11	56	156	180		
200	50	2.69	224806	2.24	226106	2.98	225406	240	140x110	105x80	11	56	156	225		

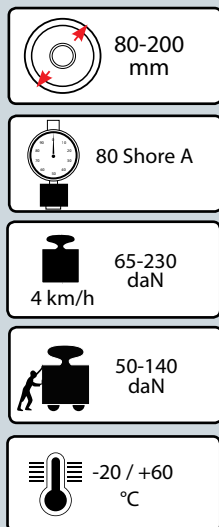


INOX

- 1) Plate: AISI 304 stainless steel
 - 2) Fork: AISI 304 stainless steel
 - 3) Ball race ring: AISI 304 stainless steel
 - 4) King pin: bushing in stainless steel
 - 5) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																	
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN				
80	25	0.53	227801	0.70	225501	107	73	12	37	120	65						
100	30	0.66	227802	0.86	225502	128	73	12	35	120	80						
125	37.5	0.94	227803	1.09	225503	156	73	12	37	120	110						
140	37.5	1.10	227804	1.18	225504	177	73	12	34	120	120						
150	40	1.17	227811	1.31	225511	182	73	12	34	120	130						
160	40	1.83	227810	2.14	225510	193	102	20	56	156	150						
180	45	2.15	227805	2.44	225505	214	102	20	56	156	180						
200	50	2.61	227806	2.89	225506	236	102	20	56	156	225						

GREY NON-MARKING RUBBER WHEELS WITH PRESSED STEEL DISCS



Description

Tyre: grey non-marking standard rubber, hardness 80 Shore A

Centre: electrolytically galvanised steel plate, made of two riveted discs.

Hub with polyamide self-lubricating plain bore.

Cylindrical roller bearing hub with plastic cage.

Uses

Suitable for trolleys with light-duty loads, also in presence of obstacles and for indoor-outdoor use.

The grey non-marking rubber tyre makes them suitable for use on fragile floors as well as in domestic/institutional environments.

Examples of recommended applications: luggage trolleys, tool trolleys, small mobile scaffoldings, waste bin containers.

Environments of use

Suitable for industrial and institutional environments, also in presence of humidity and oils. Not suitable in presence of aggressive chemical agents.

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 floors, even outdoors.

They facilitate the overcoming of obstacles.

They do not damage or mark floors.



Force required to push or tow a wheel

 	50 kg	100 kg	150 kg	200 kg	230 kg
80 mm	5	----	----	----	----
100 mm	3	----	----	----	----
125 mm	2.5	6	----	----	----
140 mm	2.2	5.5	9	----	----
150 mm	2	5	8.5	----	----
160 mm	1.5	3.5	7.5	----	----
200 mm	1	3	5.5	8.5	11

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 230 daN - available diameters 80-200 mm
Top plate and bolt hole fittings. Available with front brake.

Options available to order:










The series 23 wheels are also available with assembled thread guards. To order them add the "PF" suffix to the product code. To order loose thread guards see the Accessories section.












Wheels
with SL brackets
d. 80-125 mm

GREY NON-MARKING RUBBER WHEELS WITH PRESSED STEEL DISCS

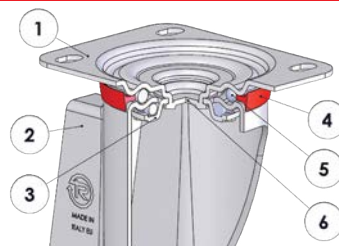


															
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	25	0.17	231121	12	39	260	50	65							
100	30	0.28	231122	12	44	300	75	80							
125	37.5	0.51	231103	15	44	330	85	130							
140	37.5	0.64	231104	15	44	340	95	150							
150	40	0.73	231111	15	44	350	100	170							
160	40	1.00	231110	20	58	370	120	180							
200	50	1.75	231106	20	58	410	140	230							



















															
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	25	0.19	233121	12	39	260	50	65							
100	30	0.31	233122	12	44	300	75	80							
125	37.5	0.54	233103	15	44	330	85	130							
140	37.5	0.66	233104	15	44	340	95	150							
150	40	0.76	233111	15	44	350	100	170							
160	40	1.07	233110	20	58	370	120	180							
200	50	1.81	233106	20	58	410	140	230							

Standard-duty brackets NL - max carrying capacity 230 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

																
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN	4 km/h	
80	25	0.69	234401	0.49	235701	0.87	235201	107	100x85	80x60	9	37	120	65		
100	30	0.82	234402	0.62	235702	1.00	235202	128	100x85	80x60	9	35	120	80		
125	37.5	1.18	234403	0.92	235703	1.30	235203	156	100x85	80x60	9	37	120	130		
140	37.5	1.31	234404	0.93	235704	1.46	235204	177	100x85	80x60	9	34	120	150		
150	40	1.42	234411	1.04	235711	1.57	235211	182	100x85	80x60	9	34	120	170		
160	40	2.44	234410	2.07	235710	2.69	235210	199	140x110	105x80	11	56	156	180		
200	50	3.25	234406	2.89	235706	3.39	235206	240	140x110	105x80	11	56	156	230		

80	25	0.70	234601	0.51	235901	0.89	235221	107	100x85	80x60	9	37	120	65		
100	30	0.84	234602	0.65	235902	1.03	235222	128	100x85	80x60	9	35	120	80		
125	37.5	1.21	234603	0.95	235903	1.33	235223	156	100x85	80x60	9	34	120	130		
140	37.5	1.34	234604	0.96	235904	1.49	235224	177	100x85	80x60	9	34	120	150		
150	40	1.45	234611	1.07	235911	1.60	235231	182	100x85	80x60	9	37	120	170		
160	40	2.50	234610	2.13	235910	2.75	235230	199	140x110	105x80	11	56	156	180		
200	50	3.31	234606	3.05	235906	3.45	235226	240	140x110	105x80	11	56	156	230		

Options available to order:



Bracket
with rear
brake
d. 150-200 mm



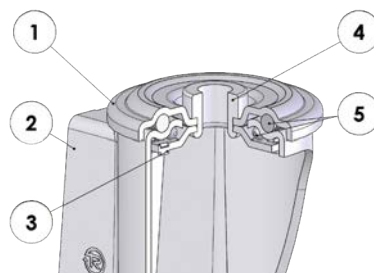
Bracket
with directional
lock
d. 80-125 mm















Directional lock
for brackets
d. 150-200 mm

GREY NON-MARKING RUBBER WHEELS WITH PRESSED STEEL DISCS

Standard-duty brackets NL - max carrying capacity 230 daN



- 1) Plate: electrolytically galvanised steel plate
- 2) Fork: electrolytically galvanised steel plate
- 3) Ball race ring: electrolytically galvanised steel plate
- 4) King pin: bushing in electrolytically galvanised steel
- 5) Swivel actions: double ball ring with grease lubrication

															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN				
80	25	0.61	237701	0.79	235601	107	73	12	37	120	65				
100	30	0.74	237702	0.94	235602	128	73	12	35	120	80				
125	37.5	1.09	237703	1.24	235603	156	73	12	37	120	130				
140	37.5	1.23	237704	1.38	235604	177	73	12	34	120	150				
150	40	1.35	237711	1.49	235611	182	73	12	34	120	170				
160	40	1.78	237710	2.04	235610	193	102	20	56	156	180				
200	50	3.16	237706	3.29	235606	236	102	20	56	156	230				

80	25	0.63	237901	0.80	235621	107	73	12	37	120	65				
100	30	0.76	237902	0.96	235622	128	73	12	35	120	80				
125	37.5	1.12	237903	1.27	235623	156	73	12	37	120	130				
140	37.5	1.26	237904	1.41	235624	177	73	12	34	120	150				
150	40	1.38	237911	1.52	235631	182	73	12	34	120	170				
160	40	1.85	237910	2.10	235630	193	102	20	56	156	180				
200	50	3.22	237906	3.35	235626	236	102	20	56	156	230				

Options available to order:

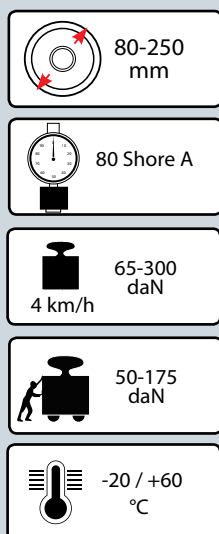


Fitting
with stem
in Zamak
alloy



Experience and innovation

BLACK RUBBER WHEELS WITH POLYPROPYLENE CENTRE



Description

Tyre: black standard rubber, hardness 80 Shore A.

Centre: polypropylene.

Hub with plain bore which directly houses the axle.

Hub with cylindrical roller bearing with plastic cage.

Uses

Suitable for trolleys with light-duty loads, also in the presence of obstacles and for indoor-outdoor use.

Examples of recommended applications: luggage trolleys, tool trolleys, small mobile scaffoldings, waste bin containers.

Environments of use

Suitable for industrial and institutional environments, also in presence of humidity and weak acids. Not suitable in presence of strong acids, bases 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 floors, even outdoors.

They easily overcome obstacles, do not damage fragile floors, but they may mark the floor.



Force required to push or tow a wheel

 	50 kg	100 kg	150 kg	200 kg	250 kg	300 kg
80 mm	5	----	----	----	----	----
100 mm	2.5	----	----	----	----	----
125 mm	2.2	6	----	----	----	----
140 mm	2	5.5	----	----	----	----
150 mm	2	5	----	----	----	----
160 mm	1.5	3.5	7.5	----	----	----
180 mm	1	3.2	6	----	----	----
200 mm	1	3	5.5	8.5	----	----
250 mm	1	2.2	4	6	8.2	11

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



Light-duty brackets SL

Maximum carrying capacity 110 daN - available diameters 80-125 mm
Top plate and bolt hole fittings. Available with front brake.



Standard-duty brackets NL










Maximum carrying capacity 300 daN - available diameters 80-250 mm
Top plate, bolt hole, solid stem fittings. Available with front brake.

Options available to order:











The series 52 wheels are also available with assembled thread guards. To order them add the "PF" suffix to the product code. To order loose thread guards see the Accessories section.

BLACK RUBBER WHEELS WITH POLYPROPYLENE CENTRE

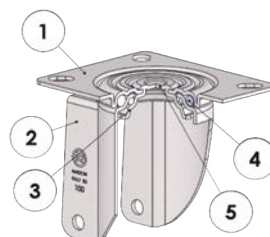


		 													
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	25	0.11	522101	12	39	150	50	65							
100	30	0.21	522102	12	44	200	75	80							
100	30	0.19	521132	12	39	200	75	80							
125	37.5	0.41	521103	15	44	225	85	110							
125	37.5	0.35	521133	12	39	225	85	110							
140	37.5	0.48	521104	15	44	250	95	120							
150	40	0.61	521111	15	44	275	100	130							
160	40	0.73	521110	20	59	300	120	150							
180	45	1.02	521105	20	59	350	130	180							
200	50	1.31	521106	20	59	400	140	225							
200	50	1.28	521206	25	59	400	140	225							
250	60	2.59	521108	25	75	500	175	300							




















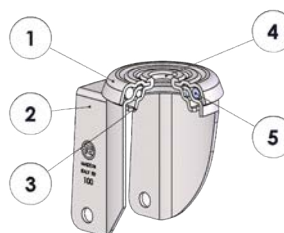
		  													
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	25	0.14	524101	12	39	150	50	65							
100	30	0.24	524102	12	44	200	75	80							
125	37.5	0.44	523103	15	44	225	85	110							
140	37.5	0.51	523104	15	44	250	95	120							
150	40	0.61	523111	15	44	275	100	130							
160	40	0.75	523110	20	59	300	120	150							
180	45	1.18	523105	20	59	350	130	180							
200	50	1.48	523106	20	59	400	140	225							
200	50	1.45	523206	25	59	400	140	225							
250	60	2.78	523108	25	75	500	175	300							

Light-duty brackets SL - max carrying capacity 110 daN



















- 1) Plate in electrolytically galvanised printed steel plate
 - 2) Fork in electrolytically galvanised printed steel plate
 - 3) Ball Race Ring in electrolytically galvanised printed steel plate
 - 4) Swivel actions: on two ball race rings lubricated with grease
 - 5) Bracket closing king pin integrated with ball race ring
- Available with total front foot brake

																
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN	
80	25	0.45	525801	0.44	526001	0.57	526301	109	95x80	100x85	80x60	8.8	36	120	65	
100	30	0.54	525802	0.53	526002	0.68	526302	127	95x80	100x85	80x60	8.8	33	120	80	
125	37.5	0.78	525803	0.76	526003	0.89	526303	153	95x80	100x85	80x60	8.8	29	120	110	

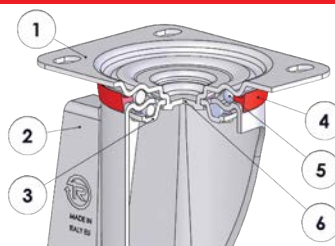


- 1) Plate in electrolytically galvanised printed steel plate
 - 2) Fork in electrolytically galvanised printed steel plate
 - 3) Ball Race Ring in electrolytically galvanised printed steel plate
 - 4) Bracket closing king pin integrated with ball race ring
 - 5) Swivel actions: on two ball race rings lubricated with grease
- Available with total front foot brake
















															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	mm	daN	
80	25	0.40	526101	0.50	526201	109	63	12	36	120	65				
100	30	0.49	526102	0.60	526202	127	63	12	33	120	80				
125	37.5	0.72	526103	0.82	526203	153	63	12	29	120	110				

BLACK RUBBER WHEELS WITH POLYPROPYLENE CENTRE

Standard-duty brackets NL - max carrying capacity 300 daN

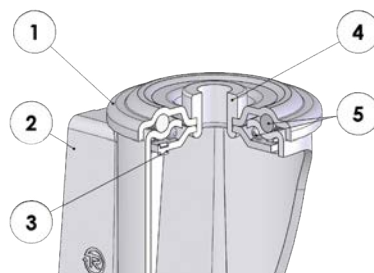


- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Dust seal: orange polyethylene
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: integrated with the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














																													
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	mm	daN													
80	25	0.64	524401	0.36	525701	0.82	525201	107	100x85	80x60	9	37	120		65														
100	30	0.73	524402	0.48	525702	0.88	525202	128	100x85	80x60	9	35	120		80														
125	37.5	1.06	524403	0.71	525703	1.20	525203	156	100x85	80x60	9	37	120		110														
140	37.5	1.18	524404	0.80	525704	1.32	525204	177	100x85	80x60	9	34	120		120														
150	40	1.31	524411	0.93	525711	1.45	525211	182	100x85	80x60	9	34	120		130														
160B	40	1.41	524412	1.25	525712			187	100x85	80x60	9	50			150														
160	40	2.10	524410	1.73	525710	2.38	525210	199	140x110	105x80	11	56	156		150														
180	45	2.40	524405	2.11	525705	2.69	525205	219	140x110	105x80	11	56	156		180														
200	50	2.72	524406	2.50	525706	3.00	525206	240	140x110	105x80	11	56	156		225														
250	60	6.02	524708	4.52	525708			296	200x160	160x120	14	87			300														

80	25	0.69	524601	0.39	525901	0.86	525221	107	100x85	80x60	9	37	120		65	
100	30	0.78	524602	0.51	525902	0.93	525222	128	100x85	80x60	9	35	120		80	
125	37.5	1.09	524603	0.73	525903	1.24	525223	156	100x85	80x60	9	37	120		110	
140	37.5	1.20	524604	0.82	525904	1.35	525224	177	100x85	80x60	9	34	120		120	
150	40	1.31	524611	0.93	525911	1.45	525231	182	100x85	80x60	9	34	120		130	
160B	40	1.43	524612	1.23	525912			187	100x85	80x60	9	50			150	
160	40	2.18	524610	1.75	525910	2.47	525230	199	140x110	105x80	11	56	156		150	
180	45	2.40	524605	2.27	525905	2.68	525225	219	140x110	105x80	11	56	156		180	
200	50	2.76	524606	2.67	525906	3.04	525226	240	140x110	105x80	11	56	156		225	
250	60	6.12	524908	4.70	525908			296	200x160	160x120	14	87			300	

Standard-duty brackets NL - max carrying capacity 300 daN



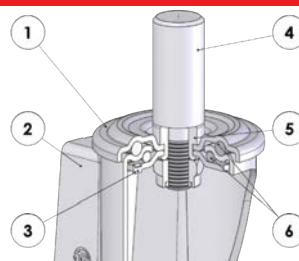
- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) King pin: bushing in electrolytically galvanised steel
 - 5) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN	4 km/h				
80	25	0.55	527701	0.68	525601	107	73	12	37	120	65					
100	30	0.68	527702	0.75	525602	128	73	12	35	120	80					
125	37.5	0.96	527703	1.10	525603	156	73	12	37	120	110					
140	37.5	1.12	527704	1.26	525604	177	73	12	34	120	120					
150	40	1.25	527711	1.39	525611	182	73	12	34	120	130					
160	40	1.44	527710	1.73	525610	193	102	20	56	156	150					
180	45	2.28	527705	2.57	525605	214	102	20	56	156	180					
200	50	2.62	527706	2.91	525606	236	102	20	56	156	225					

















80	25	0.58	527901	0.70	525621	107	73	12	37	120	65					
100	30	0.71	527902	0.78	525622	128	73	12	35	120	80					
125	37.5	1.08	527903	1.23	525623	156	73	12	37	120	110					
140	37.5	1.19	527904	1.34	525624	177	73	12	34	120	120					
150	40	1.35	527911	1.50	525631	182	73	12	34	120	130					
160	40	1.47	527910	1.75	525630	193	102	20	56	156	150					
180	45	2.44	527905	2.73	525625	214	102	20	56	156	180					
200	50	2.80	527906	3.08	525626	236	102	20	56	156	225					

BLACK RUBBER WHEELS WITH POLYPROPYLENE CENTRE

Standard-duty brackets NL - max carrying capacity 300 daN



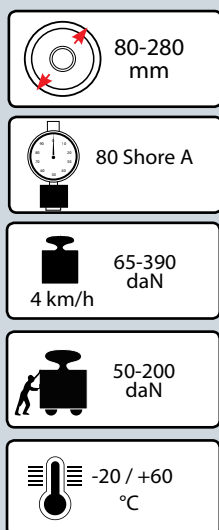
- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Solid stem: galvanised steel
 - 5) King pin: bushing in galvanised steel
 - 6) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN			
100	30	1.68	529202	1.75	529302	128	73	22	47	35	120	80			
125	37.5	1.96	529203	2.10	529303	156	73	22	47	37	120	110			
150	40	2.25	529211	2.39	529311	182	73	22	47	34	120	130			
160	40	1.81	529210	2.01	529310	193	102	26	56	56	156	150			
160	40	2.44	525520	2.73	525620	193	102	40	86	56	156	150			
200	50	2.99	529206	3.28	529306	236	102	26	56	56	156	225			
200	50	3.62	525516	3.91	525616	236	102	40	86	56	156	225			



Products made in Italy

BLACK RUBBER WHEELS WITH PRESSED STEEL DISCS



Description

Tyre: black standard rubber, hardness 80 Shore A.

Centre: electrolytically galvanised steel plate, made of two riveted discs.

Hub with polyamide self-lubricating plain bore.

Cylindrical roller bearing hub in plastic cage.

Uses

Suitable for trolleys with light-duty loads, also in the presence of obstacles and for indoor-outdoor use.

Examples of recommended applications: tool trolleys, trolleys for industrial indoor handling, small mobile scaffoldings, waste bin containers.

Environments of use

Suitable for industrial and institutional environments, also in presence of humidity and oils. Not suitable in presence of aggressive chemical agents.

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 floors, even outdoors.

They easily overcome obstacles, do not damage fragile floors, but they may mark the floor.



Force required to push or tow a wheel

 	50 kg	100 kg	150 kg	200 kg	250 kg	300 kg
80 mm	5	----	----	----	----	----
100 mm	3	----	----	----	----	----
125 mm	2.5	6	----	----	----	----
140 mm	2.2	5.5	9	----	----	----
150 mm	2	5	8	----	----	----
160 mm	1.5	3.5	7.5	----	----	----
180 mm	1	3	6.1	----	----	----
200 mm	1	3	5.5	8.5	----	----
225 mm	< 1	2.1	4.8	7.5	11	----
250 mm	< 1	2	4	6	9	12
280 mm	< 1	2	3.5	5	7	9

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



Light-duty brackets SL

Maximum carrying capacity 130 daN - available diameters 80-125 mm
Top plate and bolt hole fittings. Available with front brake.



Standard-duty brackets NL

Maximum carrying capacity 390 daN - available diameters 80-280 mm
Top plate, bolt hole and solid stem fittings. Available with front brake.

Options available to order:










The series 53 wheels are also available with assembled thread guards. To order them add the "PF" suffix to the product code. To order loose thread guards see the Accessories section.












Wheel with antistatic rubber tread
(roller bearing hub only)

BLACK RUBBER WHEELS WITH PRESSED STEEL DISCS



																
mm	mm	kg	CODE	mm	mm	daN	daN	daN								
80	25	0.17	531121	12	39	260	50	65								
100	30	0.28	531122	12	44	300	75	80								
100	30	0.25	531132	12	39	300	75	80								
125	37.5	0.51	531103	15	44	330	85	130								
125	37.5	0.44	531133	12	39	330	85	130								
140	37.5	0.64	531104	15	44	340	95	150								
150	40	0.73	531111	15	44	350	100	170								
160	40	1.00	531110	20	58	370	120	180								
180	45	1.33	531105	20	58	390	130	200								
200	50	1.75	531106	20	58	410	140	230								
200	50	1.74	531206	25	58	410	140	230								
225	50	2.16	531107	20	58	420	160	250								
250	60	3.24	531108	25	73	500	175	300								
280	60	3.92	531109	25	73	550	200	390								



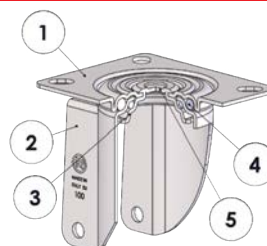
																
mm	mm	kg	CODE	mm	mm	daN	daN	daN								
80	25	0.19	533121	12	39	260	50	65								
100	30	0.31	533122	12	44	300	75	80								
125	37.5	0.54	533103	15	44	330	85	130								
140	37.5	0.66	533104	15	44	340	95	150								
150	40	0.76	533111	15	44	350	100	170								
160	40	1.07	533110	20	58	370	120	180								
180	45	1.39	533105	20	58	390	130	200								
200	50	1.81	533106	20	58	410	140	230								
200	50	1.78	533206	25	58	410	140	230								
225	50	2.42	533107	20	58	420	160	250								
250	60	3.14	533108	25	73	500	175	300								
280	60	3.84	533109	25	73	550	200	390								

Options available to order:



















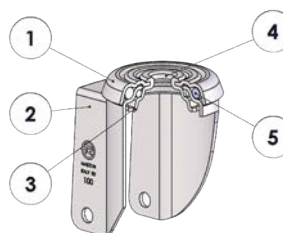
Wheel with antistatic
rubber tread
(roller bearing hub only)

Light-duty brackets SL - max carrying capacity 130 daN















- 1) Plate in electrolytically galvanised printed steel plate
 - 2) Fork in electrolytically galvanised printed steel plate
 - 3) Ball Race Ring in electrolytically galvanised printed steel plate
 - 4) Swivel actions: on two ball race rings lubricated with grease
 - 5) Bracket closing king pin integrated with ball race ring
- Available with total front foot brake

															
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN
80	25	0.51	535801	0.50	536001	0.63	536301	109	95x80	100x85	80x60	8.8	36	120	65
100	30	0.60	535802	0.59	536002	0.74	536302	127	95x80	100x85	80x60	8.8	33	120	80
125	37.5	0.87	535803	0.85	536003	0.98	536303	153	95x80	100x85	80x60	8.8	29	120	130



- 1) Plate in electrolytically galvanised printed steel plate
 - 2) Fork in electrolytically galvanised printed steel plate
 - 3) Ball Race Ring in electrolytically galvanised printed steel plate
 - 4) Bracket closing king pin integrated with ball race ring
 - 5) Swivel actions: on two ball race rings lubricated with grease
- Available with total front foot brake















															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	daN				
80	25	0.46	536101	0.56	536201	109	63	12	36	120	65				
100	30	0.55	536102	0.66	536202	127	63	12	33	120	80				
125	37.5	0.81	536103	0.91	536203	153	63	12	29	120	130				

BLACK RUBBER WHEELS WITH PRESSED STEEL DISCS

Standard-duty brackets NL - max carrying capacity 390 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

																		
mm	mm	kg	CODE	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN	
80	25	0.69	535001	0.49	535701	0.87	535401	107	100x85	80x60	9	37	120	65				
100	30	0.82	535002	0.62	535702	1.00	535402	128	100x85	80x60	9	35	120	80				
125	37.5	1.18	535003	0.92	535703	1.30	535403	156	100x85	80x60	9	37	120	130				
140	37.5	1.27	535004	1.09	535704	1.46	535404	177	100x85	80x60	9	34	120	150				
150	40	1.40	535011	1.22	535711	1.57	535411	182	100x85	80x60	9	34	120	170				
160B	40	1.75	535012	1.55	535712			187	100x85	80x60	9	50		180				
160	40	2.44	535010	2.07	535710	2.69	535410	199	140x110	105x80	11	56	156	180				
180	45	2.78	535005	2.49	535705	3.07	535405	219	140x110	105x80	11	56	156	200				
200	50	3.25	535006	2.89	535706	3.39	535406	240	140x110	105x80	11	56	156	230				
225	50	3.67	535007	3.18	535707	3.95	535407	263	140x110	105x80	11	56	156	250				
250	60	6.66	534708	5.16	535708			296	200x160	160x120	14	87		300				
280	60	7.35	534709	5.84	535709			311	200x160	160x120	14	87		390				

80	25	0.70	535101	0.51	535901	0.89	535421	107	100x85	80x60	9	37	120	65			
100	30	0.84	535102	0.65	535902	1.03	535422	128	100x85	80x60	9	35	120	80			
125	37.5	1.21	535103	0.95	535903	1.33	535423	156	100x85	80x60	9	37	120	130			
140	37.5	1.34	535104	0.96	535904	1.49	535424	177	100x85	80x60	9	34	120	150			
150	40	1.45	535111	1.07	535911	1.60	535431	182	100x85	80x60	9	34	120	170			
160B	40	1.81	535112	1.61	535912			187	100x85	80x60	9	50		180			
160	40	2.50	535110	2.13	535910	2.75	535430	199	140x110	105x80	11	56	156	180			
180	45	2.85	535105	2.56	535905	3.13	535425	219	140x110	105x80	11	56	156	200			
200	50	3.31	535106	3.05	535906	3.45	535426	240	140x110	105x80	11	56	156	230			
225	50	3.93	535107	3.45	535907	4.22	535427	263	140x110	105x80	11	56	156	250			
250	60	6.56	534908	5.06	535908			296	200x160	160x120	14	87		300			
280	60	7.27	534909	5.76	535909			311	200x160	160x120	14	87		390			

Options available to order:



Wheel with antistatic rubber tread (roller bearing hub only)



Bracket with rear brake d. 150-200 mm

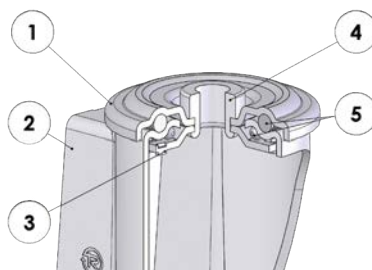


Bracket with directional lock d. 80-125 mm

















Directional lock for brackets d. 150-200 mm

Standard-duty brackets NL - max carrying capacity 230 daN



- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) King pin: bushing in electrolytically galvanised steel
 - 5) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																	
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN					
80	25	0.61	537701	0.78	538201	107	73	12	37	120	65						
100	30	0.74	537702	0.94	538202	128	73	12	35	120	80						
125	37.5	1.09	537703	1.24	538203	156	73	12	37	120	130						
140	37.5	1.23	537704	1.38	538204	177	73	12	34	120	150						
150	40	1.35	537711	1.49	538211	182	73	12	34	120	170						
160	40	1.78	537710	2.04	538210	193	102	20	56	156	180						
180	45	2.66	537705	3.95	538205	214	102	20	56	156	200						
200	50	3.16	537706	3.29	538206	236	102	20	56	156	230						

80	25	0.63	537901	0.80	538221	107	73	12	37	120	65						
100	30	0.76	537902	0.96	538222	128	73	12	35	120	80						
125	37.5	1.12	537903	1.27	538223	156	73	12	37	120	130						
140	37.5	1.26	537904	1.41	538224	177	73	12	34	120	150						
150	40	1.38	537911	1.52	538231	182	73	12	34	120	170						
160	40	1.85	537910	2.10	538230	193	102	20	56	156	180						
180	45	2.73	537905	3.01	538225	214	102	20	56	156	200						
200	50	3.22	537906	3.35	538226	236	102	20	56	156	230						

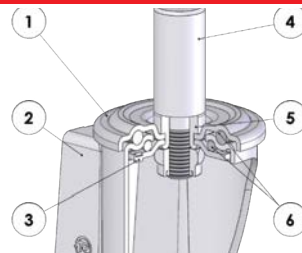
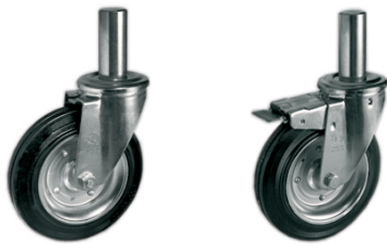
Options available to order:
















Wheel with antistatic
rubber tread
(roller bearing hub only)

BLACK RUBBER WHEELS WITH PRESSED STEEL DISCS

Standard-duty brackets NL - max carrying capacity 230 daN



- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Solid stem: galvanised steel
 - 5) King pin: bushing in galvanised steel
 - 6) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																	
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN				
100	30	1.74	539202	2.24	538802	128	73	22	47	35	120	80					
125	37.5	2.09	539203	2.24	538803	156	73	22	47	37	120	130					
150	40	2.35	539211	2.49	538811	182	73	22	47	34	120	170					
160	40	2.15	539210	2.41	538810	193	102	26	56	56	156	180					
160	40	3.20	535520	3.50	535620	193	102	40	86	56	156	180					
180	45	3.75	535515	3.95	535615	214	102	40	86	56	156	200					
200	50	3.53	539206	3.66	538806	236	102	26	56	56	156	230					
200	50	4.16	535516	4.29	535616	236	102	40	86	56	156	230					



Technology at work

GREY NON-MARKING THERMOPLASTIC RUBBER WHEELS WITH POLYPROPYLENE CENTRE

80-200 mm

85 Shore A

70-225 daN
4 km/h

70-225 daN

-20 / +70 °C

INOX



Description

Tyre: grey non-marking thermoplastic rubber, hardness 85 Shore A, excellent rolling resistance and elasticity.

Centre: polypropylene.

Hub with plain bore which directly houses the axle.

Hub with cylindrical roller bearing in plastic cage. Also available with stainless steel roller bearing.

Hub with double shielding ball bearing, co-printed in the centre of the wheel. The bearing is protected from dirt, machining residue and corrosive substances by a glass-fibre reinforced polyamide installation bushing with internal labyrinth seal

Uses

Indicated for trolleys with light-duty loads, mainly for indoor use; the grey non-marking rubber tyre makes it suitable for use on fragile floors and also in domestic/institutional environments.

Excellent rolling resistance guarantees minimum effort in manual handling.

Examples of recommended applications: luggage trolleys, tool trolleys, institutional and catering trolleys, trolleys for industrial indoor use, tubular trolleys.

Environments of use

Suitable for industrial and institutional environments, also in presence of humidity.

Fitted with stainless steel brackets, they are also recommended for environments with presence of aggressive chemical agents. Not suitable in presence of organic solvents, chlorinated substances, hydrocarbons and mineral oils.

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

It does not stain or damage fragile floors. Suitable for tiles and cement-resin.

Not recommended on abrasive, unpaved floors or in presence of processing residues.



Force required to push or tow a wheel

 	50 kg	100 kg	150 kg	200 kg	225 kg
80 mm	3.5	----	----	----	----
100 mm	2.2	5	----	----	----
125 mm	1.5	3.5	----	----	----
150x35 mm	1	2.5	4.7	----	----
150x45 mm	< 1	2	3.8	----	----
200 mm	< 1	1.3	2.5	3.9	5

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



Light-duty brackets SL

Maximum carrying capacity 120 daN - available diameters 80-125 mm
Top plate and bolt hole fittings. Available with front brake.



Standard-duty brackets NL

Maximum carrying capacity 225 daN - available diameters 80-200 mm
Top plate, bolt hole and Zamak expander stem fittings. Available with front brake.



Stainless steel standard-duty brackets NLX

Maximum carrying capacity 225 daN - available diameters 80-200 mm
Top plate and bolt hole fittings. Available with front brake.

Options available to order:










The series 71 wheels are also available with assembled thread guards. To order them add the "PF" suffix to the product code. To order loose thread guards see the Accessories section.














Wheel for large commercial kitchens (conforms to Standard DIN 18867-8)
d. 160 and 200 mm

GREY NON-MARKING THERMOPLASTIC RUBBER WHEELS WITH POLYPROPYLENE CENTRE












															
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	30	0.09	711101	12	39	100	70	70							
100	30	0.12	711102	12	44	150	100	100							
100	30	0.11	711132	12	39	150	100	100							
125	35	0.20	711103	15	44	180	120	120							
125	35	0.20	711133	12	39	180	120	120							
150	35	0.27	711105	15	44	210	140	140							
150	45	0.36	711104	20	59	270	180	180							
200	50	0.70	711106	20	59	330	225	225							



															
mm	mm	kg	CODE	kg	CODE	mm	mm	daN	daN	daN					
80	30	0.11	713101	0.11	713201	12	39	100	70	70					
100	30	0.14	713102	0.14	713202	12	44	150	100	100					
125	35	0.22	713103	0.22	713203	15	44	180	120	120					
150	35	0.30	713105	0.30	713205	15	44	210	140	140					
150	45	0.41	713104	0.41	713204	20	59	270	180	180					
200	50	0.74	713106	0.74	713206	20	59	330	225	225					



															
mm	mm	kg	CODE	mm	mm	daN	daN	daN							
80	30	0.14	712201	8	40	100	70	70							
100	30	0.18	712202	8	45	150	100	100							
125	35	0.25	712203	8	45	180	120	120							

Options available to order:

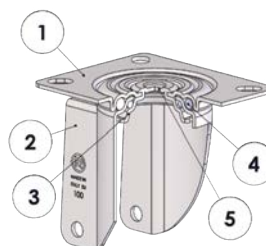


Wheel for large commercial
kitchens
(conforms to Standard
DIN 18867-8)













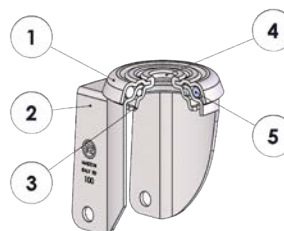
Wheel with single
stainless steel ball
bearing
d. 80-125 mm

Light-duty brackets SL - max carrying capacity 120 daN



















- 1) Plate in electrolytically galvanised printed steel plate
 - 2) Fork in electrolytically galvanised printed steel plate
 - 3) Ball Race Ring in electrolytically galvanised printed steel plate
 - 4) Swivel actions: on two ball race rings lubricated with grease
 - 5) Bracket closing king pin integrated with ball race ring
- Available with total front foot brake

															
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN
80	30	0.43	715801	0.42	716001	0.55	716301	109	95x80	100x85	80x60	8.8	36	120	70
100	30	0.46	715802	0.45	716002	0.60	716302	127	95x80	100x85	80x60	8.8	33	120	100
125	35	0.63	715803	0.61	716003	0.74	716303	153	95x80	100x85	80x60	8.8	29	120	120

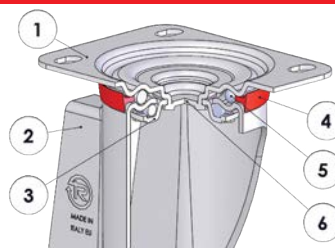


- 1) Plate in electrolytically galvanised printed steel plate
 - 2) Fork in electrolytically galvanised printed steel plate
 - 3) Ball Race Ring in electrolytically galvanised printed steel
 - 4) Bracket closing king pin integrated with ball race ring
 - 5) Swivel actions: on two ball race rings lubricated with grease
- Available with total front foot brake















															
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	mm	mm	daN
80	30	0.38	716101	0.48	716201	109	63	12	36	120	70				
100	30	0.41	716102	0.52	716202	127	63	12	33	120	100				
125	30	0.57	716103	0.67	716203	153	63	12	29	120	120				

GREY NON-MARKING THERMOPLASTIC RUBBER WHEELS WITH POLYPROPYLENE CENTRE

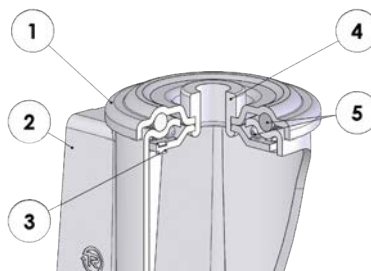
Standard-duty brackets NL - max carrying capacity 225 daN






















- 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

														4 km/h
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	daN
80	30	0.60	714201	0.36	715701	0.79	716601	107	100x85	80x60	9	37	120	70
100	30	0.70	714202	0.39	715702	0.85	716602	128	100x85	80x60	9	35	120	100
125	35	0.86	714203	0.61	715703	1.00	716603	156	100x85	80x60	9	37	120	120
150	35	0.96	714204	0.76	715704	1.14	716604	182	100x85	80x60	9	34	120	140
150	45	1.72	714211	1.35	715711	2.00	716611	194	140x110	105x80	11	56	156	180
200	50	2.07	714206	1.86	715706	2.35	716606	240	140x110	105x80	11	56	156	225
80	30	0.61	714501	0.38	715901	0.82	716621	107	100x85	80x60	9	37	120	70
100	30	0.71	714502	0.39	715902	0.86	716622	128	100x85	80x60	9	35	120	100
125	35	0.87	714503	0.62	715903	1.03	716623	156	100x85	80x60	9	37	120	120
150	35	1.11	714504	0.81	715904	1.16	716624	182	100x85	80x60	9	34	120	140
150	45	1.87	714511	1.40	715911	2.05	716631	194	140x110	105x80	11	56	156	180
200	50	2.10	714506	2.02	715906	2.34	716626	240	140x110	105x80	11	56	156	225
80	30	0.58	714701	0.45	714801	0.75	714901	107	100x85	80x60	9	37	120	70
100	30	0.64	714702	0.50	714802	0.81	714902	128	100x85	80x60	9	35	120	100
125	35	0.81	714703	0.61	714803	0.97	714903	156	100x85	80x60	9	37	120	120

Standard-duty brackets NL - max carrying capacity 225 daN



- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) King pin: bushing in electrolytically galvanised steel
 - 5) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																		
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN					
80	30	0.53	717401	0.71	716501	107	73	12	37	120	70							
100	30	0.63	717402	0.84	716502	128	73	12	35	120	100							
125	35	0.80	717403	0.95	716503	156	73	12	37	120	120							
150	35	0.90	717404	1.04	716504	182	73	12	34	120	140							
150	45	1.58	717411	1.87	716511	188	102	20	56	156	180							
200	50	1.97	717406	2.26	716506	236	102	20	56	156	225							
80	30	0.55	717801	0.73	716521	107	73	12	37	120	70							
100	30	0.64	717802	0.84	716522	128	73	12	35	120	100							
125	35	0.82	717803	0.98	716523	156	73	12	37	120	120							
150	35	0.93	717804	1.00	716524	182	73	12	34	120	140							
150	45	1.85	717811	1.92	716531	188	102	20	56	156	180							
200	50	2.02	717806	2.29	716526	236	102	20	56	156	225							
80	30	0.53	714301	0.70	715501	107	73	12	37	120	70							
100	30	0.58	714302	0.75	715502	128	73	12	35	120	100							
125	35	0.74	714303	0.94	715503	156	73	12	37	120	120							

Options available to order:



Wheel for large commercial kitchens (conforms to Standard DIN 18867-8) d. 160 and 200 mm



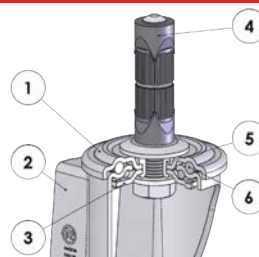
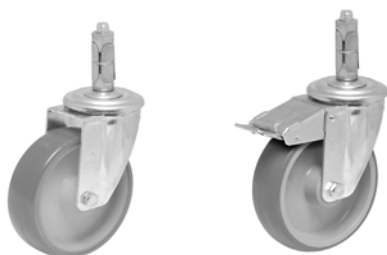
Fitting with threaded stem























Fitting with unthreaded stem with dimensions that can be customised

GREY NON-MARKING THERMOPLASTIC RUBBER WHEELS WITH POLYPROPYLENE CENTRE

Standard-duty brackets NL - max carrying capacity 225 daN

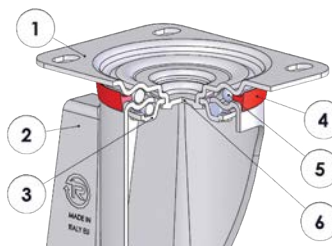


- 1) Plate: electrolytically galvanised steel plate
 - 2) Fork: electrolytically galvanised steel plate
 - 3) Ball race ring: electrolytically galvanised steel plate
 - 4) Stem: zamak expander
 - 5) King pin: bushing in electrolytically galvanised steel
 - 6) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake




















																			
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN	mm	mm	mm	daN	mm	mm
80	30	0.65	719201	0.83	719301	109	20	65	20-24	37	120	70							
100	30	0.75	719202	0.96	719302	130	20	65	20-24	35	120	100							
125	35	1.02	719203	1.07	719303	158	20	65	20-24	37	120	120							

Stainless steel standard-duty brackets NLX - max carrying capacity 225 daN

INOX

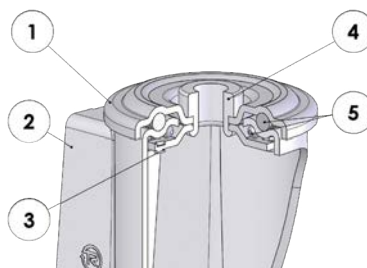


- 1) Plate: AISI 304 stainless steel
 - 2) Fork: AISI 304 stainless steel
 - 3) Ball race ring: AISI 304 stainless steel
 - 4) Dust seal: orange polyethylene
 - 5) Swivel actions: double ball ring with grease lubrication
 - 6) King pin: integrated with the plate and cold-riveted
- Available with total front foot brake















																			
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN	mm	mm	mm	daN
80	30	0.59	714401	0.33	715301	0.76	716701	107	100x85	80x60	9	37	120	70					
100	30	0.61	714402	0.36	715302	0.79	716702	128	100x85	80x60	9	35	120	100					
125	35	0.76	714403	0.59	715303	0.90	716703	156	100x85	80x60	9	37	120	120					
150	35	0.99	714404	0.76	715304	1.01	716704	182	100x85	80x60	9	34	120	140					
150	45	1.63	714411	1.22	715311	1.95	716711	194	140x110	105x80	11	56	156	180					
200	50	2.04	714406	1.59	715306	2.33	716706	240	140x110	105x80	11	56	156	225					
80	30	0.61	714601	0.36	715601	0.79	716721	107	100x85	80x60	9	37	120	70					
100	30	0.64	714602	0.37	715602	0.80	716722	128	100x85	80x60	9	35	120	100					
125	35	0.78	714603	0.62	715603	0.93	716723	156	100x85	80x60	9	37	120	120					
150	35	1.03	714604	0.81	715604	1.03	716724	182	100x85	80x60	9	34	120	140					
150	45	1.71	714611	1.27	715611	2.00	716731	194	140x110	105x80	11	56	156	180					
200	50	2.09	714606	1.62	715606	2.36	716726	240	140x110	105x80	11	56	156	225					

Stainless steel standard-duty brackets NLX - max carrying capacity 225 daN

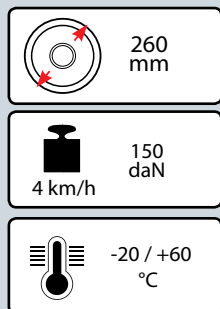
INOX



- 1) Plate: AISI 304 stainless steel
 - 2) Fork: AISI 304 stainless steel
 - 3) Ball race ring: AISI 304 stainless steel
 - 4) King pin: bushing in stainless steel
 - 5) Swivel actions: double ball ring with grease lubrication
- Available with total front foot brake

																																																																																																																																																																																									
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PNEUMATIC WHEELS WITH POLYPROPYLENE CENTRE



Description

Tyre: four plies ribbed or country profiled tyre; working pressure 2 bar.

Centre: polypropylene.

Hub with plain bore which directly houses the axle.

Hub with cylindrical roller bearing with plastic cage.

Uses

Suitable for use with light and medium-duty loads, on any type of flooring, also for mixed indoor and outdoor use.

Also suitable on sandy base.

Examples of recommended applications: wheelbarrows, box charts.

Environments of use

Suitable for industrial and outdoor environments, also in presence of humidity and medium-harsh chemical agents.

Not suitable in presence of organic solvents, chlorinated substances, hydrocarbons and mineral oils.

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

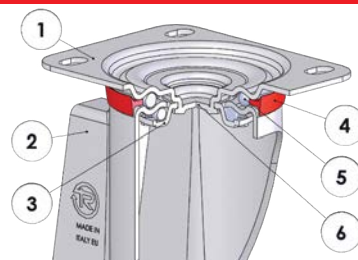
It is functional on all type of floors and especially on uneven floors and soft floor surfaces such as grass, as well as on floor with obstacles and with chips.



















														
mm	mm	kg	CODE	kg	CODE	mm	mm	daN						
260	85	0.91	821601	1.03	823601	20	74	150	ribbed profile					
260	85	0.90	821602	1.00	823602	25	74	150	ribbed profile					
260	85	0.96	822601	1.08	824601	20	74	150	country profile					
260	85	0.95	822602	1.05	824602	25	74	150	country profile					















Standard-duty brackets NL - max carrying capacity 150 daN



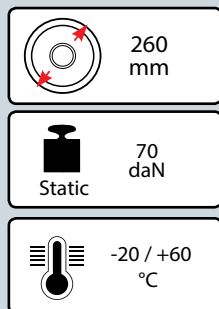
- 1) Plate: electrolytically galvanised steel plate
- 2) Fork: electrolytically galvanised steel plate
- 3) Ball race ring: electrolytically galvanised steel plate
- 4) Dust seal: orange polyethylene
- 5) Swivel actions: double ball ring with grease lubrication
- 6) King pin: integrated with the plate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

																		
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN					
260	85	4.33	825601	2.83	826601	300	200x160	160x120	14	86			150					
260	85	4.43	825701	2.93	826701	300	200x160	160x120	14	86			150					



																		
mm	mm	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	daN					
260	85	4.38	825602	2.89	826602	300	200x160	160x120	14	86			150					
260	85	4.48	825702	2.98	826702	300	200x160	160x120	14	86			150					

PUNCTURE-PROOF PNEUMATIC WHEELS WITH POLYPROPYLENE CENTRE



Description

Tyre: expanded polyurethane foam, without inner tube.

Centre: polypropylene.

Hub with cylindrical roller bearing with plastic cage.

Uses

Suitable for use with light and medium-duty loads, on any type of flooring, also for mixed indoor and outdoor use. The expanded polyurethane foam tyre eliminates wheel failure as a consequence of a puncture that can occur with traditional pneumatic (air filled) wheels.

Also suitable on sandy base.

Examples of recommended applications: wheelbarrows, box charts.

Environments of use

Suitable for industrial and outdoor environments, also in presence of humidity and medium-harsh chemical agents. Not suitable in presence of organic solvents, chlorinated substances, hydrocarbons and mineral oils.

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 36

Floors

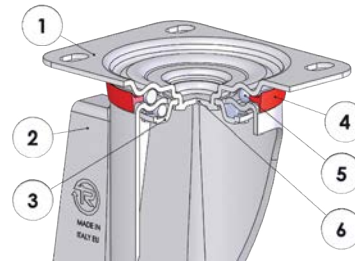
It is functional on all type of floors and especially on uneven floors and soft floor surfaces such as grass, as well as on floor with obstacles and with chips.



















														
mm	mm	kg	COD.	mm	mm	daN								
260	75	1,03	823701	20	77	70	country profile							

Standard-duty brackets NL - max carrying capacity 70 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

															
mm	mm	kg	COD.	kg	COD.	mm	mm	mm	mm	mm	daN				
260	75	4,48	827601 	2,98	828601 	300	200x160	160x120	14	86	70				