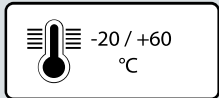
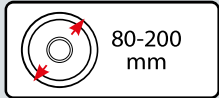


**GREY NON-MARKING RUBBER WHEELS
WITH POLYPROPYLENE CENTRE**



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				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 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.

GREY NON-MARKING RUBBER WHEELS WITH POLYPROPYLENE CENTRE

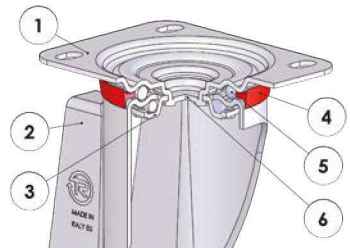


																		
mm	mm	kg	CODE	mm	mm	daN	daN	daN										
80	25	0.11	222101	12	39	150	50	65										
100	30	0.21	222102	12	44	200	75	80										
125	37.5	0.41	221103	15	44	225	85	110										
140	37.5	0.60	221104	15	44	250	95	120										
150	40	0.67	221111	15	44	275	100	130										
160	40	0.73	221110	20	59	300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

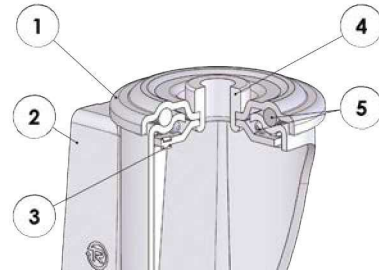
mm	mm	kg	CODE	kg	CODE	kg	CODE	mm	mm	mm	mm	mm	mm	mm	4 km/h	daN
80	25	0,64	224401	0,36	225701	0,82	225201	107	100x85	80x60	9	37	120	65		
100	30	0,73	224402	0,48	225702	0,88	225202	128	100x85	80x60	9	35	120	80		
125	37.5	1,06	224403	0,71	225703	1,20	225203	156	100x85	80x60	9	37	120	110		
140	37.5	1,18	224404	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		
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



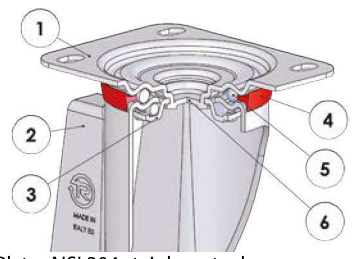
Fitting with stem in Zamak alloy d. 80-125 mm



Fitting with threaded stem d. 80-200 mm

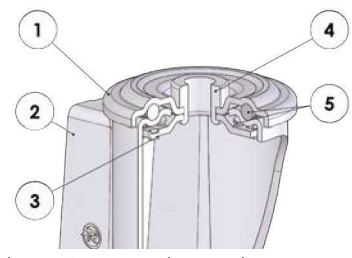
Stainless steel standard-duty brackets NLX - max carrying capacity 225 daN

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



- 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

INOX

mm	mm	kg	CODE	kg	CODE	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