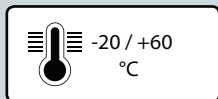


## GREY NON-MARKING RUBBER WHEELS WITH POLYPROPYLENE CENTRE



### 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 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									

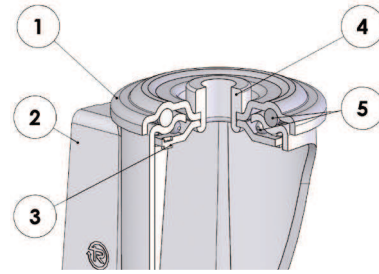


																	
mm	mm	kg	CODE	mm	mm	daN	daN	daN									
80	25	0.14	224101	12	39	150	50	65									
100	30	0.24	224102	12	44	200	75	80									
125	37.5	0.44	223103	15	44	225	85	110									
140	37.5	0.63	223104	15	44	250	95	120									
150	40	0.70	223111	15	44	275	100	130									
160	40	0.75	223110	20	59	300	120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



## 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					
80	25	0.55	227701	0.68	225601	107	73	12	37	120	<b>65</b>					
100	30	0.68	227702	0.75	225602	128	73	12	35	120	<b>80</b>					
125	37.5	0.96	227703	1.10	225603	156	73	12	37	120	<b>110</b>					
140	37.5	1.12	227704	1.26	225604	177	73	12	34	120	<b>120</b>					
150	40	1.25	227711	1.39	225611	182	73	12	34	120	<b>130</b>					
160	40	1.44	227710	1.73	225610	193	102	20	56	156	<b>150</b>					
180	45	2.28	227705	2.57	225605	214	102	20	56	156	<b>180</b>					
200	50	2.62	227706	2.91	225606	236	102	20	56	156	<b>225</b>					
80	25	0.58	227901	0.70	225621	107	73	12	37	120	<b>65</b>					
100	30	0.71	227902	0.78	225622	128	73	12	35	120	<b>80</b>					
125	37.5	1.08	227903	1.23	225623	156	73	12	37	120	<b>110</b>					
140	37.5	1.19	227904	1.34	225624	177	73	12	34	120	<b>120</b>					
150	40	1.35	227911	1.50	225631	182	73	12	34	120	<b>130</b>					
160	40	1.47	227910	1.75	225630	193	102	20	56	156	<b>150</b>					
200	50	2.80	227906	3.08	225626	236	102	20	56	156	<b>225</b>					

### Options available to order



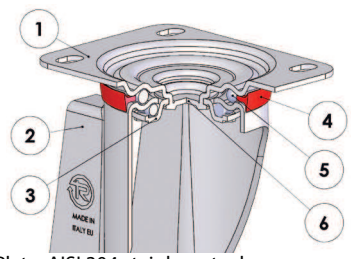
Fitting with stem in Zamak alloy d. 80-125 mm



Fitting with threaded stem d. 80-200 mm

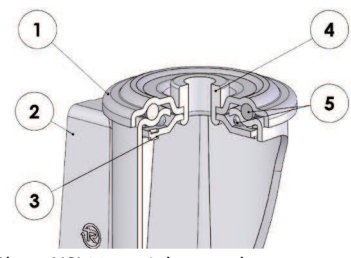
**Stainless steel standard-duty brackets NLX - max carrying capacity 225 daN**

**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		kg	CODE	kg	CODE	kg	CODE						4 km/h	daN
80	25	0.59	224801	0.33	226101	0.76	225401	107	100x85	80x60	9	37	120	<b>65</b>
100	30	0.70	224802	0.45	226102	0.88	225402	128	100x85	80x60	9	35	120	<b>80</b>
125	37.5	0.96	224803	0.80	226103	1.10	225403	156	100x85	80x60	9	37	120	<b>110</b>
140	37.5	1.10	224804	0.88	226104	1.25	225404	177	100x85	80x60	9	34	120	<b>120</b>
150	40	1.24	224811	1.02	226111	1.38	225411	182	100x85	80x60	9	34	120	<b>130</b>
160	40	2.04	224810	1.60	226110	2.31	225410	199	140x110	105x80	11	56	156	<b>150</b>
180	45	2.34	224805	1.90	226105	2.63	225405	219	140x110	105x80	11	56	156	<b>180</b>
200	50	2.69	224806	2.24	226106	2.98	225406	240	140x110	105x80	11	56	156	<b>225</b>



- 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		kg	CODE	kg	CODE						4 km/h	daN
80	25	0.53	227801	0.70	225501	107	73	12	37	120	<b>65</b>	
100	30	0.66	227802	0.86	225502	128	73	12	35	120	<b>80</b>	
125	37.5	0.94	227803	1.09	225503	156	73	12	37	120	<b>110</b>	
140	37.5	1.10	227804	1.18	225504	177	73	12	34	120	<b>120</b>	
150	40	1.17	227811	1.31	225511	182	73	12	34	120	<b>130</b>	
160	40	1.83	227810	2.14	225510	193	102	20	56	156	<b>150</b>	
180	45	2.15	227805	2.44	225505	214	102	20	56	156	<b>180</b>	
200	50	2.61	227806	2.89	225506	236	102	20	56	156	<b>225</b>	