Injected polyurethane castor wheels

Technopolymer centre body, with or without bearings, injected polyurethane coating

RoHS | 1200 - 4500 N

COVERING

Injected polyurethane, hardness 55 Shore D.

WHEEL CENTRE BODY

Polyamide based (PA) technopolymer.
Glass-fibre reinforced polyamide based (PA) technopolymer hub cap.

STANDARD EXECUTIONS

- **RBL**: hub with pass-through hole.
- **RSL**: hub with ball bearings. Ideal and silent solution for heavy loads and continuous moving.

APPLICATIONS

Excellent rolling resistance and elasticity features, good wear and tearing resistance.
For selection parameters see Technical data (on page 1295).
RE.FF wheels are also supplied with steel sheet brackets RE.FF-N (see page 1249).

ENVIRONMENTAL CONDITIONS

Suitable for use in environments with the presence of atmospheric agents, alcohols and glycols, weak organic and mineral acids, water and saturated vapour.

ROLLING RESISTANCE - FORCE / LOAD APPLIED

For each load and diameter, the table indicates the force (in N) needed to push or pull a single wheel at a constant speed of 4 km/h on smooth ground.
For manual handling of a 4-wheel trolley, it is recommended to choose diameters with values below 50 N; for frequent handling, choose values below 30 N.

MECHANICAL MOVING WITH TOWING DEVICES

For mechanical towing, please see the technical specifications to determine the capacity variation.

TEMPERATURE

If operating temperatures in an application differ from the standard range of values, please see the technical specifications to determine the capacity variation.



RE.FF-RBL

Traction force or thrust for wheel movement [N]									
		Load [N]							
		1000	1500	2000	2500	3000	3500	4000	4500
D [mm]	80	45	-	-	-	-	-	-	-
	100	22	45	-	-	-	-	-	-
	125	12	22	40	-	-	-	-	-
	150	<10	20	32	45	60	80	-	-
	200	<10	<10	<10	30	45	60	75	90

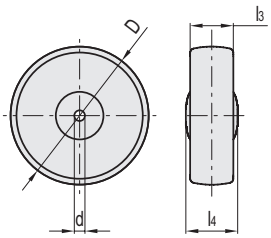
RE.FF-RSL

Traction force or thrust for wheel movement [N]									
		Load [N]							
		1000	1500	2000	2500	3000	3500	4000	4500
D [mm]	80	45	-	-	-	-	-	-	-
	100	22	45	50	-	-	-	-	-
	125	12	22	40	50	-	-	-	-
	150	<10	20	32	41	50	65	-	-
	200	<10	<10	<10	30	40	50	60	70

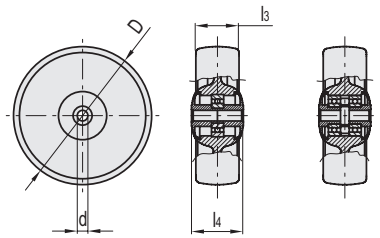
Conversion Table
1 mm = 0.039 inch

D	
mm	**inch**
40	**1.56**
50	**1.95**
60	**2.34**
80	**3.12**

RE.FF-RBL



RE.FF-RSL (Ø80 - 100 - 125) **RE.FF-RSL (Ø150 - 200)**



METRIC

RE.FF-RBL

Code	Description	D	d	l3	l4	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖
451001	RE.FF-080-RBL	80	12	30	39	2200	1200	1200	110
451006	RE.FF-100-RBL	100	12	30	44	3000	1700	1700	150
451011	RE.FF-125-RBL	125	15	35	44	3500	2300	2300	250
451016	RE.FF-150-RBL	150	20	45	59	7000	2800	3500	470
451018	RE.FF-200-RBL	200	20	50	59	7500	3200	4500	870

RE.FF-RSL

Code	Description	D	d	l3	l4	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖
451021	RE.FF-080-RSL	80	8	30	40	2200	1300	1300	170
451023	RE.FF-100-RSL	100	8	30	45	3000	2000	2000	210
451025	RE.FF-125-RSL	125	8	35	45	3500	2500	2500	300
451027	RE.FF-150-RSL	150	12	45	60	7000	3000	3500	760
451029	RE.FF-200-RSL	200	12	50	60	7500	3600	4500	1160

For static load, rolling resistance and dynamic carrying capacity see Technical data on page 1296.

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