

## Injected polyurethane wheels

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

### 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.  
RE.FF wheels are also supplied with steel sheet brackets RE.FF-N.

### 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.

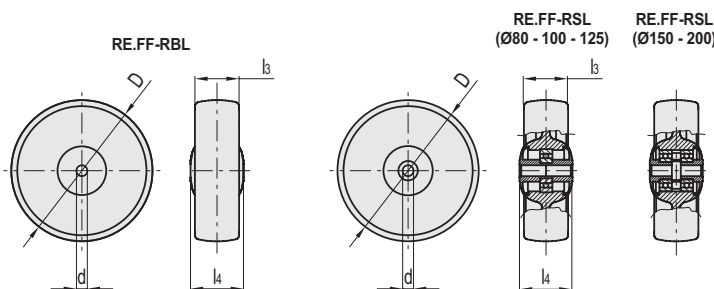


#### RE.FF-RBL

		Traction force or thrust for wheel movement [N]								
		Load [N]								
D [mm]		1000	1500	2000	2500	3000	3500	4000	4500	
	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]							
D [mm]		1000	1500	2000	2500	3000	3500	4000	4500
	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	



#### RE.FF-RBL

Code	Description	D	d	l <sub>3</sub>	l <sub>4</sub>	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	l <sub>3</sub>	l <sub>4</sub>	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