

RE.F4 | Mould-on polyurethane wheels

Cast iron centre body



3000 - 25000 N

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18

COVERING

Mould-on polyurethane, hardness 95 Shore A.

WHEEL CENTRE BODY

Cast iron.

STANDARD EXECUTIONS

- **RBL**: hub directly made into the centre. The wheel hub is designed to be easily reprocessed to obtain a keyway or housing for clamping. Any further reprocesses on the wheel must be carried out with maximum working temperature up to 80°C, (recommended max limit temperature during normal use of the product) to prevent degradation of the polyurethane coating. Ideal solution for equipment with drive wheels.
- **RSL**: hub with ball bearings. Ideal solution for heavy loads and continuous moving.

APPLICATIONS

Excellent rolling resistance and elasticity features, high wear and tearing resistance.

For selection parameters see Technical data (on page 1875).

RE.F4 wheel are supplied also with bracket:

- RE.F4-H (see page 1836): wheels with steel sheet bracket to be used for medium-heavy loads.
- RE.F4-WH (see page 1838): wheels with electro-welded steel bracket to be used for heavy loads.
- RE.F4-WEH (see page 1840): wheel with electro-welded steel bracket to be used for extra-heavy loads.

ENVIRONMENTAL CONDITIONS

Suitable for use in environments with the presence of atmospheric agents, alcohols and glycols, use in environments with the presence of organic and mineral acids, basic solutions and saturated vapour is not recommended.

ROLLING RESISTANCE - FORCE / LOAD APPLIED

The diagram shows the force to be applied to a wheel to keep it moving at the constant speed of 4 km/h, according to the applied load.

The intersection point with a 50N value is the maximum transportable load with a manually actuated 4-wheel trolley; in fact, 200N = 50N x 4 wheels is the maximum force that may be supported by the operator according to the regulations in force regarding work safety.

MECHANICAL MOVING WITH TOWING DEVICES

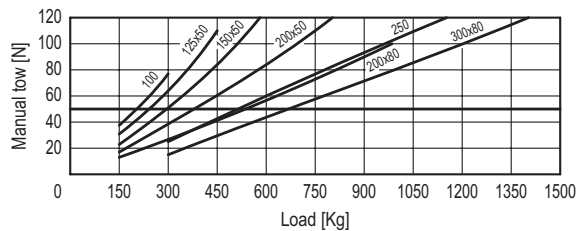
For mechanical towing, please see the technical specifications to determine the capacity variation.

TEMPERATURE

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

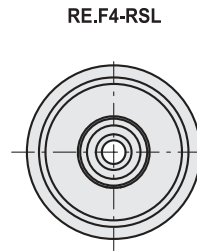
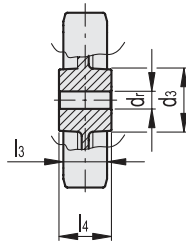
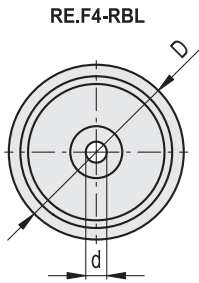
SPECIAL EXECUTIONS ON REQUEST

Hole with keyway in compliance with UNI 6604, UNI 6607 e ISO 2941 (RBL version).





Conversion Table 1 mm = 0.039 inch	
D	
mm	inch
100	3.94
125	4.92
150	5.91
200	7.87
250	9.84
300	11.81



RE.F4-RBL

METRIC

Code	Description	D	dh7	d3	dr *	l3	l4	Static load# [N]	Dynamic carrying capacity# [N]	⚖️
451401	RE.F4-100-RBL	100	15	55	30	40	45	5000	3000	1500
451402	RE.F4-125-RBL	125	20	60	30	40	60	6000	4000	1300
451403	RE.F4-150-RBL	150	20	70	40	50	60	9100	7000	3700
451404	RE.F4-200-RBL	200	20	70	40	50	60	15000	9500	4600
451405	RE.F4-250-RBL	250	40	95	60	80	80	28000	16000	11000
451406	RE.F4-300-RBL	300	50	120	80	100	100	42000	25000	21200

RE.F4-RSL

METRIC

Code	Description	D	d	d3	l3	l4	l5	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖️
451411	RE.F4-100-RSL	100	15	35	38	40	11	5000	2200	3800	1020
451412	RE.F4-125-RSL	125	20	47	50	55	14	8000	2700	5500	1980
451413	RE.F4-150x50-RSL	150	20	47	50	55	14	9100	2900	7000	2500
451410	RE.F4-150x80-RSL	150	25	62	80	88	18	17000	4000	10000	5690
451414	RE.F4-200x50-RSL	200	20	47	50	55	14	15000	3800	10000	3650
451415	RE.F4-200x80-RSL	200	25	62	80	86	17	20000	4500	16000	7260
451416	RE.F4-250-RSL	250	25	62	80	86	17	28000	5000	19000	9810
451417	RE.F4-300-RSL	300	30	62	80	86	17	34000	6000	23000	13800

* Max diameter permissible for hole to ensure the static load values reported.

For static load, rolling resistance and dynamic carrying capacity see Technical data (on page 1880).