

RE.F5 | Mould-on polyurethane wheels

Aluminium centre body



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COVERING

Mould-on polyurethane, hardness 95 Shore A.

WHEEL CENTRE BODY

Pressure die-cast aluminium.

ROLLING ACTION

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.F5 wheels are supplied also with bracket:

- RE.F5-N (see page 1823): wheel with steel sheet bracket to be used for light loads.
- RE.F5-H (see page 1825): wheels with steel sheet bracket to be used for medium-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.

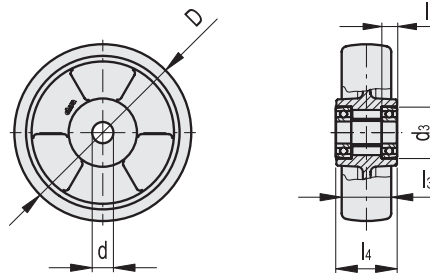
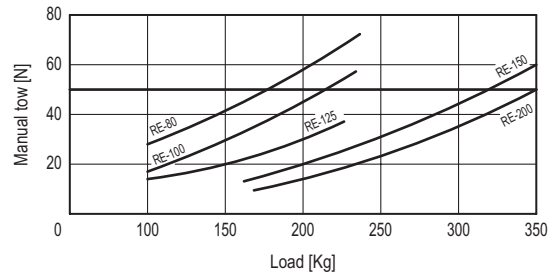
The intersection point with a 50N value is the maximum transportable load with a manually actuated 4-wheel trolley; in fact, 200N = 50N x 4 wheels is the maximum force that may be supported by the operator according to the regulations in force regarding work safety.

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.



Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
80	3.15
100	3.94
125	4.92
150	5.91
200	7.87

METRIC

Code	Description	D	d	d3	l3	l4	l5	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	△
451501	RE.F5-080-RSL	80	12	28	25	30	8	2800	1500	2200	200
451506	RE.F5-100-RSL	100	12	32	30	40	10	3500	2250	2500	340
451511	RE.F5-125-RSL	125	12	32	35	40	10	5000	2800	4000	500
451516	RE.F5-150-RSL	150	20	47	40	50	14	8500	3300	6000	910
451521	RE.F5-200-RSL	200	25	52	50	55	15	10000	3600	8500	1450