

RE.F5 | Mould-on polyurethane wheels

Aluminium centre body



COVERING

Mould-on polyurethan, 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.

RE.F5 wheel are supplied also with bracket:

- RE.F5-N: wheel with electro-welded steel bracket to be used for light loads.
- RE.F5-H: 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.

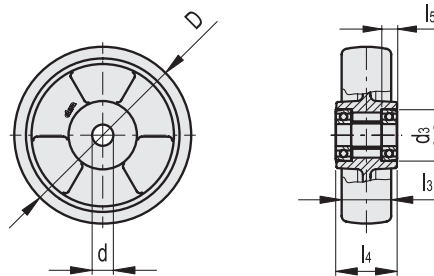
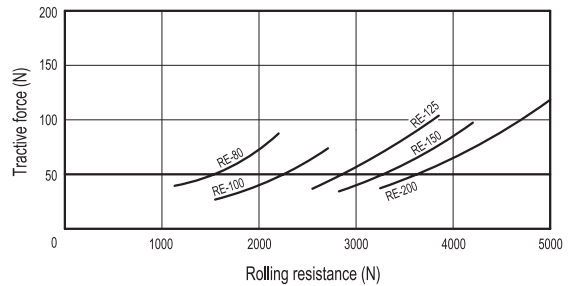
The intersection point with a 50N value is the maximum transportable load with a manually actuated 4-wheel trolley; in fact, 200N = 50N x 4 wheels is the maximum force that may be supported by the operator according to the regulations in force regarding work safety.

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.



| 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 |

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

