

## Injected polyurethane wheels

### Technopolymer centre body

#### COVERING

Injected polyurethane, hardness 85 Shore A.

#### WHEEL CENTRE BODY

Polyamide based (PA) technopolymer.

#### ROLLING ACTION

Hub with pass-through hole.

#### APPLICATIONS

Excellent rolling resistance, elasticity, and noiselessness features, good wear and tearing resistance.

Excellent capacity to overcome obstacles.

For selection parameters see Technical data

RE.F1 wheels are also supplied with steel sheet brackets RE.F1-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.

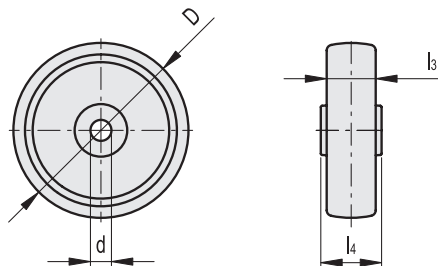
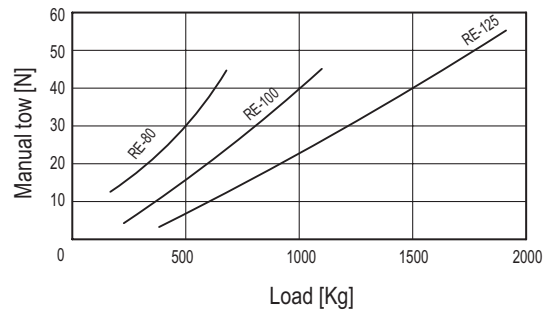
#### ROLLING RESISTANCE - FORCE / LOAD APPLIED

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 40N value is the maximum transportable load with a manually actuated 4-wheel trolley; in fact, 160N = 40N x 4 wheels is the maximum force that may be supported by the operator according to the regulations in force regarding work safety.

#### 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	l <sub>3</sub>	l <sub>4</sub>	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖️
452476	RE.F1-080-RBL	80	12	30	39	1600	750	750	110
452477	RE.F1-100-RBL	100	12	30	44	2000	1200	1200	160
452478	RE.F1-125-RBL	125	15	35	44	3500	1800	1800	250