

## Vulcanised rubber wheels

### Steel centre body

#### COVERING WITH TREAD

Vulcanised rubber; hardness 83 Shore A.

#### WHEEL CENTRE BODY

Consisting of two zinc-plated and riveted plate disks.

#### ROLLING ACTION

Polyamide-based technopolymer (PA) hub and boss, integral to the wheel centre body.

#### APPLICATIONS

RE.E3 wheels may be mounted on different kinds of trolleys, with medium-light loads; it is also suitable for outdoor use. Typical applications: trolleys for industrial moving, for outdoor use also, waste dumpsters. For selection parameters see Technical Data on page 2013. RE.E3 wheels are also supplied with steel sheet bracket for medium-heavy loads (RE.E3-N on page 1999).

#### ENVIRONMENTAL CONDITIONS

Suitable for use in humid environments and in the presence of atmospheric agents; use in environments with the presence of organic, chlorinated solvents, hydrocarbons and mineral oils 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.

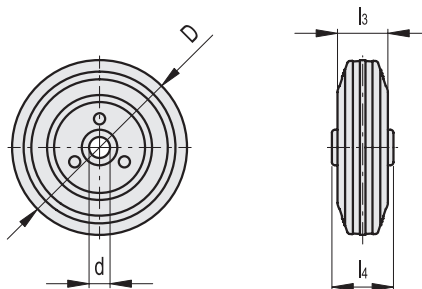
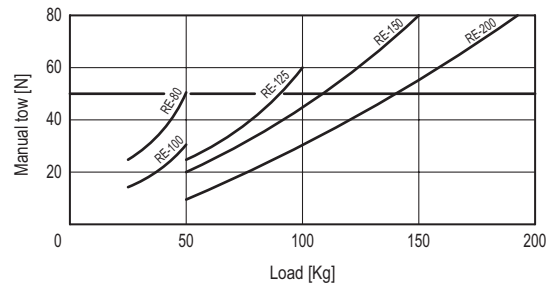
The intersection point with a 50N value is the maximum transportable load with a manually actuated 4-wheel trolley; in fact, 200N = 50N x 4 wheels is the maximum force that may be supported by the operator according to the regulations in force regarding work safety.

#### 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	l <sub>3</sub>	l <sub>4</sub>	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖️
450001	RE.E3-080-RBL	80	12	25	39	2600	600	650	170
450006	RE.E3-100-RBL	100	12	30	44	3000	750	800	280
450012	RE.E3-125-RBL	125	15	37,5	44	3300	850	1300	510
450016	RE.E3-150-RBL	150	15	40	44	3500	1000	1700	730
450022	RE.E3-200-RBL	200	20	50	58	4100	1400	2300	1750

# For static load, rolling resistance and dynamic carrying capacity see Technical Data on page 2014.