Vulcanised rubber castor wheels

Technopolymer centre body

RoHS | 650 - 2250 N

COVERING WITH TREAD
Vulcanised rubber; hardness 80 Shore A.

WHEEL CENTRE BODY
Polypropylene-based (PP) technopolymer.

ROLLING ACTION
Hub with pass-through hole.

APPLICATIONS
RE.E2 wheels may be mounted on different kinds of trolleys, with medium-light loads; they are 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 1295). RE.E2 wheels are also supplied with steel sheet bracket RE.E2-N (see page 1276).

ENVIRONMENTAL CONDITIONS
Suitable for use in humid environments and in the presence of medium-aggressive chemical environments; use in environments with the presence of organic, chlorinated solvents, hydrocarbons and mineral oils is not recommended.

ROLLING RESISTANCE - FORCE / LOAD APPLIED
For each load and diameter, the table indicates the force (in N) needed to push or pull a single wheel at a constant speed of 4 km/h on smooth ground.
For manual handling of a 4-wheel trolley, it is recommended to choose diameters with values below 50 N; for frequent handling, choose values below 30 N.

MECHANICAL MOVING WITH TOWING DEVICES
For mechanical towing, please see the technical specifications to determine the capacity variation.

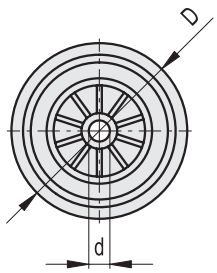
TEMPERATURE
If operating temperatures in an application differ from the standard range of values, please see the technical specifications to determine the capacity variation.

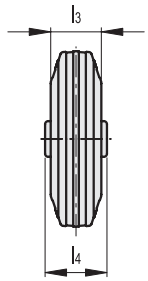


Traction force or thrust for wheel movement [N]					
		Load [N]			
		500	1000	1500	2000
D [mm]	80	50	-	-	-
	100	25	-	-	-
	125	22	60	-	-
	150	20	50	-	-
	180	10	32	60	-
	200	10	30	55	85

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	l3	l4	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖
449501	RE.E2-080-RBL	80	12	25	39	1500	500	650	110
449506	RE.E2-100-RBL	100	12	30	44	2000	750	800	210
449512	RE.E2-125-RBL	125	15	37.5	44	2250	850	1100	410
449516	RE.E2-150-RBL	150	15	40	44	2750	1000	1300	610
449518	RE.E2-180-RBL	180	20	45	59	3500	1300	1800	1020
449522	RE.E2-200-RBL	200	20	50	59	4000	1400	2250	1310

For static load, rolling resistance and dynamic carrying capacity see Technical data (on page 1296).

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