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COVERING

Mould-on polyurethane, hardness 92 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 1295).

RE.F5 wheels are supplied also with bracket:

- RE.F5-N (see page 1252): wheel with steel sheet bracket to be used for light loads.
- RE.F5-H (see page 1254): 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

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

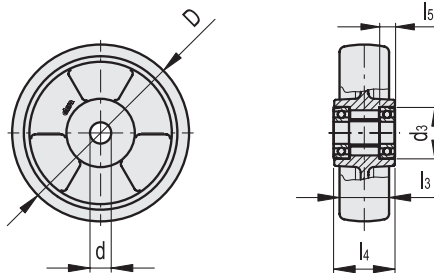
If operating temperatures in an application differ from the standard range of values, please see the technical specifications to determine the capacity variation.



Traction force or thrust for wheel movement [N]

		Load [N]						
		1500	2500	3500	4500	5500	7000	8500
D [mm]	80	50	-	-	-	-	-	-
	100	23	52	-	-	-	-	-
	125	17	45	65	-	-	-	-
	150	12	38	60	70	80	-	-
	200	<10	30	49	60	78	105	180

Conversion Table	
1 mm = 0.039 inch	
D	
mm	inch
80	3.12
100	3.90
125	4.88
150	5.90
200	7.87



METRIC

Code	Description	D	d	d3	l3	l4	l5	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	Δ
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
451522	RE.F5-200-A20-RSL	200	20	52	50	55	15	10000	3600	8500	1232
451521	RE.F5-200-A25-RSL	200	25	52	50	55	15	10000	3600	8500	1232

Castors and wheels

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