Monolithic wheels

Technopolymer

METRIC

RoHS 1200 - 9000 N

WHEEL BODY

Polyamide based (PA) technopolymer, white color or blue color RAL 5005 (C55).

STANDARD EXECUTIONS

- **RBL**: hub with pass-through hole.
- **RSL**: hub with ball bearings. Ideal solution for heavy loads and continuous moving.

FEATURES AND APPLICATIONS

Excellent wear and tearing resistance.For selection parameters see Technical data (on page 1295).
RE.F8 wheel are supplied also with bracket:

- RE.F8-N (see page 1266): wheels with electro-welded steel bracket.
- RE.F8-H (see page 1268): wheels with steel sheet bracket to be used for medium-heavy loads.
- RE.F8-WH (see page 1270): wheels with electro-welded steel bracket to be used for heavy loads.

ENVIRONMENTAL CONDITIONS

Suitable for use in humid environments, with the presence of highly aggressive chemicals. Use in environments with the presence of strong organic acids and concentrated minerals 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.



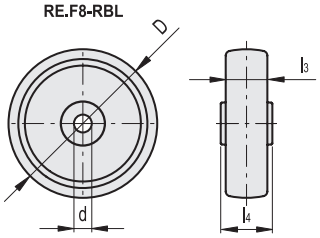
RE.F8-RBL

Traction force or thrust for wheel movement [N]							
		Load [N]					
		1000	2000	3000	4000	5000	7000
D [mm]	65	55	-	-	-	-	-
	80	40	-	-	-	-	-
	100	35	60	90	-	-	-
	125	25	50	60	80	-	-
	150	10	25	60	80	100	-
	200	<10	18	47	58	65	78

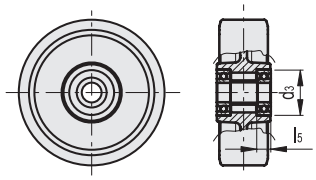
RE.F8-RSL

Traction force or thrust for wheel movement [N]							
		Load [N]					
		1000	2000	3000	5000	7000	9000
D [mm]	80	22	32	40	65	-	-
	100	18	23	35	55	70	-
	125	12	18	27	34	55	80

RE.F8-RBL



RE.F8-RSL



Conversion Table
1 mm = 0.039 inch

D	
mm	inch
65	2.54
80	3.12
100	3.94
125	4.92
150	5.91
200	7.87

METRIC

RE.F8-RBL

Code	Description	D	d	l3	l4	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖
450501	RE.F8-065-RBL	65	12	30	34	1250	900	1200	60
450506	RE.F8-080-RBL	80	12	30	39	2000	1500	1800	80
450506-C55	RE.F8-080-RBL-C55	80	12	30	39	2000	1500	1800	80
450511	RE.F8-100-RBL	100	12	30	44	3500	1750	3000	130
450511-C55	RE.F8-100-RBL-C55	100	12	30	44	3500	1750	3000	130
450516	RE.F8-125-RBL	125	15	38	44	4500	2000	4000	230
450516-C55	RE.F8-125-RBL-C55	125	15	38	44	4500	2000	4000	230
450521	RE.F8-150-RBL	150	20	45	58	6000	2500	5000	340
450526	RE.F8-200-RBL	200	20	50	58	8000	3150	7300	640

RE.F8-RSL

Code	Description	D	d	d3	l3	l4	l5	Static load# [N]	Rolling resistance# [N]	Dynamic carrying capacity# [N]	⚖
449451	RE.F8-125-RSL	125	20	47	45	56	13	7000	4000	6500	610
449452	RE.F8-150-RSL	150	20	47	45	56	13	8000	4550	7500	740
449453	RE.F8-200-RSL	200	20	47	50	56	13	10000	6500	9000	1100

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

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