

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

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.

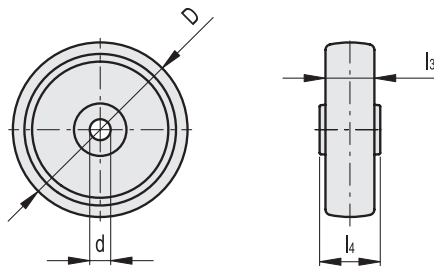
For manual handling of a 4-wheel trolley, it is recommended to choose diameters with values below 50 N; for frequent handling, choose values below 30 N.

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	2500	3000
D [mm]	80	34	-	-	-	-	-
	100	15	40	-	-	-	-
	125	10	25	40	-	-	-
	150	<10	18	29	40	51	-
	200	<10	<10	14	22	30	38



Code	Description	D	d	l ₃	l ₄	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
452479	RE.F1-150-RBL	150	20	45	59	4500	2400	2500	470
452467	RE.F1-200-RBL	200	20	50	59	5000	3000	3000	870