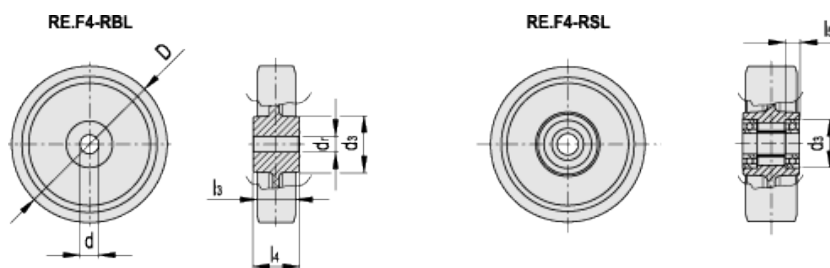
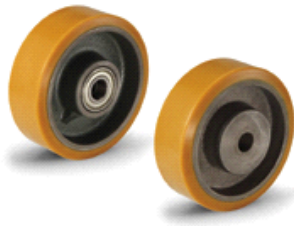


RE.F4

Mould-on polyurethane wheels



Elesa Standards		Main dimensions						Static load #	Dynamic carrying capacity #	Weight
Code	Description	D	d _{H7}	l ₃	l ₄	d ₃	d _r *	[N]	[N]	g
451401	RE.F4-100-RBL	100	15	40	45	55	30	5000	3000	1500
451402	RE.F4-125-RBL	125	20	40	60	60	30	6000	4000	1300
451403	RE.F4-150-RBL	150	20	50	60	70	40	9100	7000	3700
451404	RE.F4-200-RBL	200	20	50	60	70	40	15000	9500	4600
451405	RE.F4-250-RBL	250	40	80	80	95	60	28000	16000	11000
451406	RE.F4-300-RBL	300	50	100	100	120	80	42000	25000	21200

* Max diameter permissible for hole to ensure the static load values reported. # See [Technical Data](#) for static load and dynamic carrying capacity.

Elesa Standards		Main dimensions							Static load #	Rolling resistance #	Dynamic carrying capacity #	Weight
Code	Description	D	d	l ₃	l ₄	l ₅	d ₃	[N]	[N]	[N]	g	
451411	RE.F4-100-RSL	100	15	38	40	11	35	5000	2200	3800	1020	
451412	RE.F4-125-RSL	125	20	50	55	14	47	8000	2700	5500	1980	
451413	RE.F4-150x50-RSL	150	20	50	55	14	47	9100	2900	7000	2500	
451410	RE.F4-150x80-RSL	150	25	80	88	18	62	17000	4000	10000	5690	
451414	RE.F4-200x50-RSL	200	20	50	55	14	47	15000	3800	10000	3650	
451415	RE.F4-200x80-RSL	200	25	80	86	17	62	20000	4500	16000	7260	
451416	RE.F4-250-RSL	250	25	80	86	17	62	28000	5000	19000	9810	
451417	RE.F4-300-RSL	300	30	80	86	17	62	34000	6000	23000	13800	

See [Technical Data](#) for static load, rolling resistance and dynamic carrying capacity.

Covering
Mould-on polyurethane, hardness 95 Shore A.

Wheel centre body
Cast iron.

Standard executions

- RBL: hub directly made into the centre. The wheel hub is designed to be easily reprocessed to obtain a keyway or housing for clamping. Any further reprocesses on the wheel must be carried out with maximum working temperature up to 80°C, (recommended max limit temperature during normal use of the product) to prevent degradation of the polyurethane coating.

Ideal solution for equipment with drive wheels.

- RSL: hub with ball bearings. Ideal solution for heavy loads and continuous moving.

Special executions on request

Hole with keyway in compliance with UNI 6604, UNI 6607 e ISO 2941 (RBL version).

Applications

Excellent rolling resistance and elasticity, high wear and tearing resistance.

See [Technical Data](#) for selection parameters.

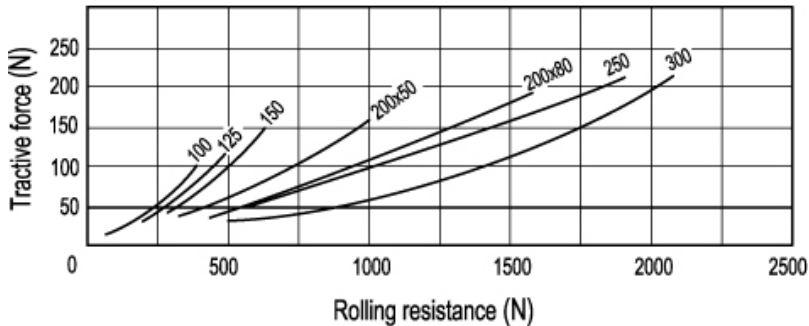
Environmental conditions

RE.F4 wheel is 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

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.

RE.F4 wheels are also supplied with bracket:

- [RE.F4-H](#): wheels with steel sheet bracket to be used for medium-heavy loads.
- [RE.F4-WH](#): wheels with electro-welded steel bracket to be used for heavy loads.
- [RE.F4-WEH](#): wheel with electro-welded steel bracket to be used for extra-heavy loads.



STANDARD MACHINE ELEMENTS WORLDWIDE

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