

RE.F8

Monolithic (hard tread) wheels

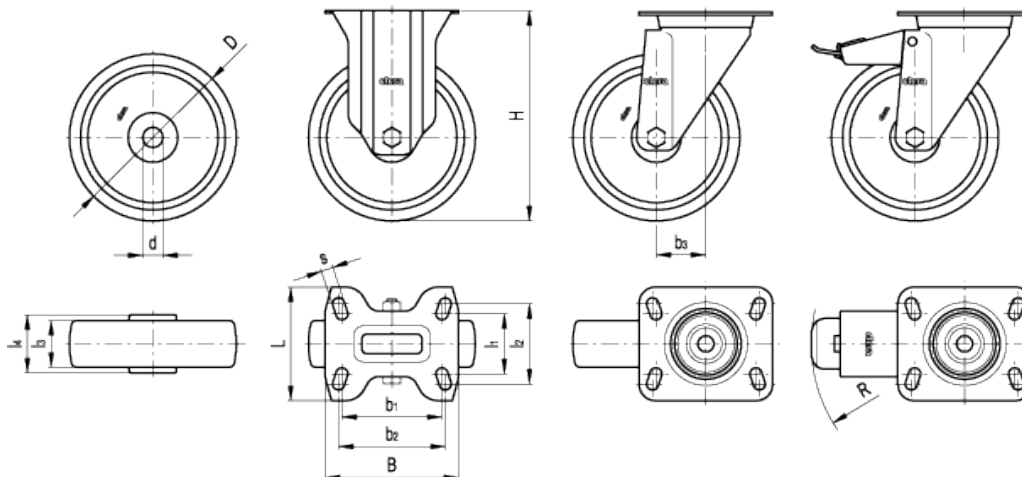


RE.F8 - RBL

RE.F8 - PBL

RE.F8 - SBL

RE.F8 - SBF



Elesa Standards		Main dimensions													Static load *	Rolling resistance	Dynamic carrying capacity	Weight		
Code	Description	D	d	l_3	l_4	H	B	L	s	b_1	l_1	b_2	l_2	b_3	R	[N]	[N]	[N]	g	
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
450511	RE.F8-100-RBL	100	12	30	44	-	-	-	-	-	-	-	-	-	-	-	3500	1750	3000	130
450516	RE.F8-125-RBL	125	15	40	44	-	-	-	-	-	-	-	-	-	-	-	4500	2000	4000	230
450521	RE.F8-150-RBL	150	20	45	59	-	-	-	-	-	-	-	-	-	-	-	6000	2500	5000	340
450651	RE.F8-065-PBL	65	12	30	-	100	100	85	9	75	45	80	60	-	-	-	-	900	1200	370
450656	RE.F8-080-PBL	80	12	30	-	107	100	85	9	75	45	80	60	-	-	-	-	1500	1800	390
450661	RE.F8-100-PBL	100	12	30	-	128	100	85	9	75	45	80	60	-	-	-	-	1750	2000	460
450666	RE.F8-125-PBL	125	15	40	-	156	100	85	9	75	45	80	60	-	-	-	-	2000	2200	640
450671	RE.F8-150-PBL	150	20	45	-	194	140	114	11	105	73	105	85	-	-	-	-	2500	3000	1450
450551	RE.F8-065-SBL	65	12	30	-	100	100	85	9	75	45	80	60	39	-	-	-	900	1200	570
450556	RE.F8-080-SBL	80	12	30	-	107	100	85	9	75	45	80	60	39	-	-	-	1500	1800	580
450561	RE.F8-100-SBL	100	12	30	-	128	100	85	9	75	45	80	60	35	-	-	-	1750	2000	650

Elesa Standards		Main dimensions													Static load *	Rolling resistance	Dynamic carrying capacity	Weight	
Code	Description	D	d	l ₃	l ₄	H	B	L	s	b ₁	l ₁	b ₂	l ₂	b ₃	R	[N]	[N]	[N]	g
450566	RE.F8-125-SBL	125	15	40	-	156	100	85	9	75	45	80	60	37	-	-	2000	2200	890
450571	RE.F8-150-SBL	150	20	45	-	194	140	110	11	105	73	105	87	56	-	-	2500	3000	1770
450601	RE.F8-080-SBF	80	12	30	-	107	100	85	9	75	45	80	60	39	120	-	1500	1800	780
450606	RE.F8-100-SBF	100	12	30	-	128	100	85	9	75	45	80	60	35	120	-	1750	2000	850
450611	RE.F8-125-SBF	125	15	40	-	156	100	85	9	75	45	80	60	37	120	-	2000	2200	1040
450616	RE.F8-150-SBF	150	20	45	-	194	140	110	11	105	73	105	87	56	146	-	2500	3000	1990

* The static load value is characteristic of the wheel only without motion

Elesa Standards		Main dimensions													Rolling resistance	Dynamic carrying capacity	Weight
Code	Description	D	d	l ₃	H	B	L	s	b ₁	l ₁	b ₂	l ₂	b ₃	R	[N]	[N]	g
450801	RE.F8-080-PBL-SST	80	12	30	107	100	85	9	75	45	80	60	-	-	1500	1800	290
450806	RE.F8-100-PBL-SST	100	12	30	128	100	85	9	75	45	80	60	-	-	1750	200	360
450811	RE.F8-125-PBL-SST	125	15	40	156	100	85	9	75	45	80	60	-	-	2000	2200	630
450701	RE.F8-080-SBL-SST	80	12	30	107	100	85	9	75	45	80	60	39	-	1500	1800	550
450706	RE.F8-100-SBL-SST	100	12	30	128	100	85	9	75	45	80	60	35	-	1750	200	610
450711	RE.F8-125-SBL-SST	125	15	40	156	100	85	9	75	45	80	60	37	-	2000	2200	780
450751	RE.F8-080-SBF-SST	80	12	30	107	100	85	9	75	45	80	60	39	120	1500	1800	730
450756	RE.F8-100-SBF-SST	100	12	30	128	100	85	9	75	45	80	60	35	120	1750	200	760
450761	RE.F8-125-SBF-SST	125	15	40	156	100	85	9	75	45	80	60	37	120	2000	2200	950

Centre

Polyamide-based technopolymer (PA). Resistant to solvents, oils and other chemicals.

Bore

Directly made into the centre.

Axle set

Calibrated precision tube. The tube serves as a spacer, is tightened to the bracket with screw and nut to a un predetermined torque value. The wheel bore rotates onto the tube freely.

Standard executions

- RBL: wheel only.
- PBL: fixed plate, brakeless wheel with bracket.
- SBL: turning plate brakeless wheel with bracket.
- SBF: turning plate wheel with bracket and brake.
- PBL-SST: stainless steel fixed plate, brakeless wheel with bracket.
- SBL-SST: stainless steel turning plate brakeless wheel with bracket.
- SBF-SST: stainless steel turning plate brakeless wheel with bracket, with stainless steel brake.

Fixed plate bracket

Zinc-plated steel or stainless steel (SST version) plate, the bracket is designed to withstand loads up to 4000N. The bracket load capacity is greater than the dynamic carrying capacity of the wheel assembly plus the bracket (see table), this is a further safety feature.

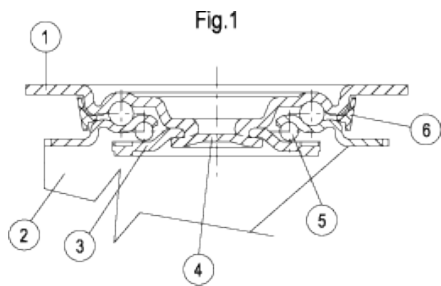
Turning plate bracket

Zinc-plated steel or stainless steel (SST version) plate, the bracket is designed to withstand loads up to 4000N. The bracket load capacity is greater than the dynamic carrying capacity of the wheel assembly plus the bracket (see table), this is a further safety feature.

The presence of two ball turns and the direct contact between the plate and the ball race ring with built-in pin ensure excellent manoeuvrability and very limited clearance (see fig. 1).

Does not require maintenance. It consists of:

- 1) Bracket: electrolytically zinc-plated steel plate.
- 2) Fork: electrolytically zinc-plated steel plate.
- 3) Ball race ring: electrolytically zinc-plated steel plate.
- 4) Central pin: incorporated in the plate, cold reformed.
- 5) Fitting plate: dual grease-lubricated ring of ball.
- 6) Dust seal: RAL 7015 dark grey technopolymer.

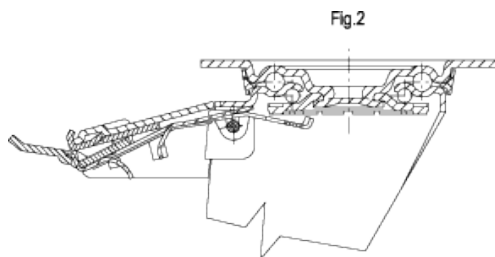


Front-actuated brake

Total brake that locks the wheel and bracket rotation (see fig. 2).

The optimised dimensions and the retractible pedal ensure minimal space occupied and maximum actuation ease.

In order to optimise the wheel lock in both directions of rotation, the spring is fitted with a dual braking tooth. Hardened carbon steel or stainless steel (SST version) spring.



Applications

Excellent wear and tearing resistance.

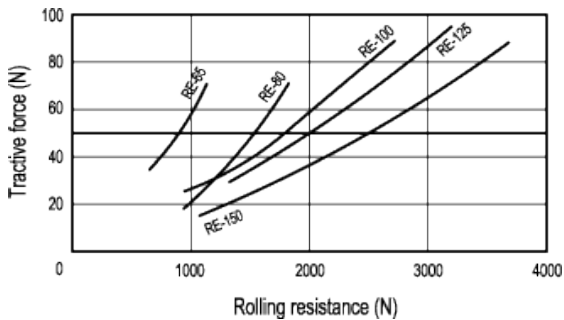
Environmental conditions

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

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.

Selection parameters		Value range	
Load capacity		Light load, up to 250 kg	●
		Medium load, up to 750 kg	●
		Heavy load, more than 750 kg	□
Rolling resistance		< 125 kg	●
		> 125 kg	●
Flooring		Tiles	●
		Asphalt	□
		Cement - resin	□
		Not paved	▲
		Expanded metal	▲
		With chips, obstacles, etc.	▲
Environmental chemical conditions		No aggressive chemicals	●
		With aggressive chemicals	●
Temperature		-40° / -20°	●
		-20° / +80°	●
		+80° / +120°	□
		> 120°	▲
Means of traction		Manual	●
		Mechanical	□

● Recommended
 □ Tolerated
 ▲ Not recommended