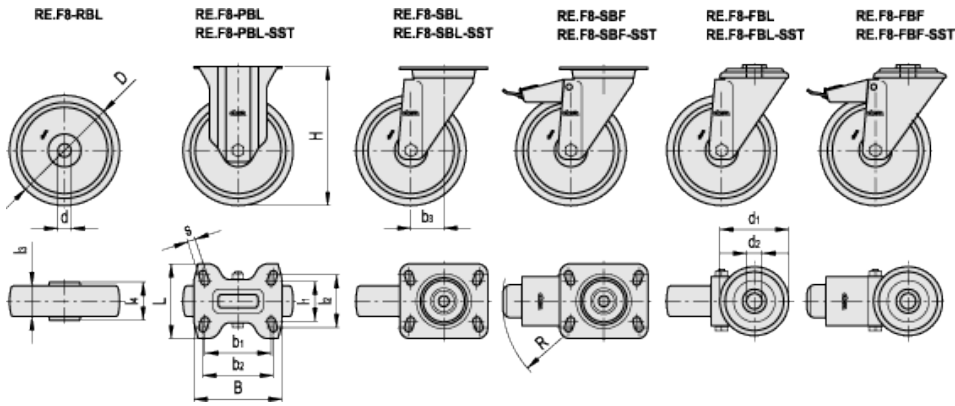


# RE.F8

## Monolithic wheels



**INOX**  
Stainless Steel



Elesa Standards		Main dimensions														Static load *	Rolling resistance	Dynamic carrying capacity	Weight		
Code	Description	D	d	I <sub>3</sub>	I <sub>4</sub>	H	B	L	s	b <sub>1</sub>	I <sub>1</sub>	b <sub>2</sub>	I <sub>2</sub>	b <sub>3</sub>	R	d <sub>1</sub>	d <sub>2</sub>	[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	38	44	-	-	-	-	-	-	-	-	-	-	-	-	4500	2000	4000	230
450521	RE.F8-150-RBL	150	20	45	59	-	-	-	-	-	-	-	-	-	-	-	-	6000	2500	5000	340
450526	RE.F8-200-RBL	200	20	50	59	-	-	-	-	-	-	-	-	-	-	-	-	8000	3150	7300	640
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	38	-	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
450676	RE.F8-200-PBL	200	20	50	-	240	140	114	11	105	73	105	85	-	-	-	-	-	3150	3000	1920
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
450566	RE.F8-125-SBL	125	15	38	-	156	100	85	9	75	45	80	60	37	-	-	-	-	2000	2200	890

Elesa Standards		Main dimensions															Static load *	Rolling resistance	Dynamic carrying capacity	Weight	
Code	Description	D	d	l <sub>3</sub>	l <sub>4</sub>	H	B	L	s	b <sub>1</sub>	l <sub>1</sub>	b <sub>2</sub>	l <sub>2</sub>	b <sub>3</sub>	R	d <sub>1</sub>	d <sub>2</sub>	[N]	[N]	[N]	g
450571	RE.F8-150-SBL	150	20	45	-	194	140	110	11	105	73	105	87	56	-	-	-	-	2500	3000	1770
450576	RE.F8-200-SBL	200	20	50	-	240	140	110	11	105	73	105	87	56	-	-	-	-	3150	3000	2140
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	156	-	-	-	2500	3000	1990
450621	RE.F8-200-SBF	200	20	50	-	240	140	110	11	105	73	105	87	56	156	-	-	-	3150	3000	2330
450681	RE.F8-065-FBL	65	12	30	-	100	-	-	-	-	-	-	-	-	39	-	73	12	900	1200	520
450683	RE.F8-080-FBL	80	12	30	-	107	-	-	-	-	-	-	-	-	39	-	73	12	1500	1800	535
450685	RE.F8-100-FBL	100	12	30	-	128	-	-	-	-	-	-	-	-	35	-	73	12	1750	2000	555
450687	RE.F8-125-FBL	125	15	38	-	156	-	-	-	-	-	-	-	-	37	-	73	12	2000	2200	850
450689	RE.F8-150-FBL	150	20	45	-	188	-	-	-	-	-	-	-	-	56	-	102	20	2500	3000	1570
450691	RE.F8-200-FBL	200	20	50	-	236	-	-	-	-	-	-	-	-	56	-	102	20	3150	3000	1950
450693	RE.F8-080-FBF	80	12	30	-	107	-	-	-	-	-	-	-	-	39	120	73	12	1500	1800	700
450695	RE.F8-100-FBF	100	12	30	-	128	-	-	-	-	-	-	-	-	35	120	73	12	1750	2000	800
450697	RE.F8-125-FBF	125	15	38	-	156	-	-	-	-	-	-	-	-	37	120	73	12	2000	2200	990
450699	RE.F8-150-FBF	150	20	45	-	188	-	-	-	-	-	-	-	-	56	156	102	20	2500	3000	1860
450700	RE.F8-200-FBF	200	20	50	-	236	-	-	-	-	-	-	-	-	56	156	102	20	3150	3000	2240

\* 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 <sub>3</sub>	H	B	L	s	b <sub>1</sub>	l <sub>1</sub>	b <sub>2</sub>	l <sub>2</sub>	b <sub>3</sub>	R	d <sub>1</sub>	d <sub>2</sub>	[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	
450851	RE.F8-080-FBL-SST	80	12	30	107	-	-	-	-	-	-	-	-	-	39	-	73	12	1500	1800	500
450856	RE.F8-100-FBL-SST	100	12	30	128	-	-	-	-	-	-	-	-	-	35	-	73	12	1750	200	610
450861	RE.F8-125-FBL-SST	125	15	38	156	-	-	-	-	-	-	-	-	-	37	-	73	12	2000	2200	790
450901	RE.F8-080-FBF-SST	80	12	30	107	-	-	-	-	-	-	-	-	-	39	120	73	12	1500	1800	520
450906	RE.F8-100-FBF-SST	100	12	30	128	-	-	-	-	-	-	-	-	-	35	120	73	12	1750	200	760
450911	RE.F8-125-FBF-SST	125	15	38	156	-	-	-	-	-	-	-	-	-	37	120	73	12	2000	2200	930

#### Wheel centre body

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: brakeless wheel with zinc-plated steel fixed bracket.
- SBL: brakeless wheel with zinc-plated steel turning plate and bracket.
- SBF: wheel with brake and zinc-plated steel turning plate with bracket.
- FBL: brakeless wheel with zinc-plated steel turning plate with bracket and assembly pass through hole.
- FBF: wheel with brake and zinc-plated steel turning plate and bracket, assembly pass through hole.
- PBL-SST: brakeless wheel with fixed bracket in stainless steel.
- SBL-SST: brakeless wheel with turning plate with bracket in stainless steel.
- SBF-SST: stainless steel turning plate wheel with bracket, with stainless steel brake.
- FBL-SST: brakeless wheel with stainless steel turning plate with bracket and assembly pass through hole.
- FBF-SST: stainless steel wheel with brake and turning plate with bracket, assembly pass through hole.

**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.

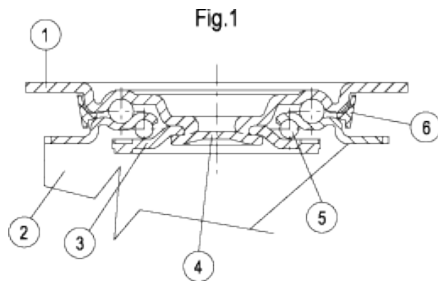
**Turning plate bracket**

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) fitting plate: 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 reflanged;
- 5) rotation system: 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.

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.

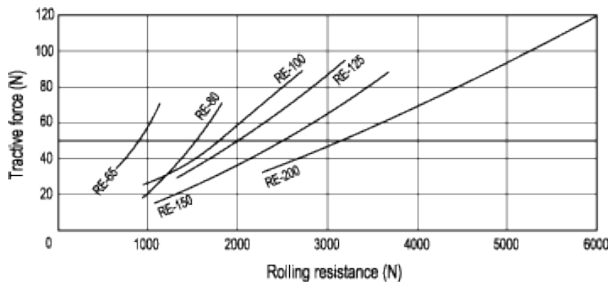
**Environmental conditions**

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.

- Recommended
- Tolerated
- ▲ Not recommended

Selection parameters	Value range		
<b>Load capacity</b>		Light load, up to 250 kg	●
		Medium load, up to 750 kg	●
		Heavy load, more than 750 kg	□
<b>Rolling resistance</b>		< 125 kg	●
		> 125 kg	●
<b>Flooring</b>		Tiles	●
		Asphalt	□
		Cement - resin	□
		Not paved	▲
		Expanded metal	▲
		With chips, obstacles, etc.	▲
<b>Environmental chemical conditions</b>		No aggressive chemicals	●
		With aggressive chemicals	●
<b>Temperature</b>		-40° / -20°	●
		-20° / +80°	●
		+80° / +120°	□
		> 120°	▲
<b>Means of traction</b>		Manual (speed ≤ 4 Km/h)	●
		Mechanical (speed ≤ 16 Km/h)	▲
		Mechanical (speed > 16 Km/h)	▲



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