



## L1018.F

### Material

Aluminium block (X46Cr13 hardened to F35), tensile strength 350N/mm<sup>2</sup>. Stainless steel inserts hardened, and stainless ball bearings (DIN 1.4034).

### Technical notes

Compact, light-weight design. 60% saving versus steel versions. Select the size and number of carriages to suit the required load

then select the required rail length, (see rail part nos. L1018). Standard carriages are not preloaded. Mounting dimensions are identical to those of most steel linear guide rails, making them interchangeable.

### Tips

**These are aluminium rail carriages and can only be used with corresponding aluminium**

**linear rails L1018. For standard steel linear guideways and carriages see part no. L1016.**

### Important notes

Static loads ratings are difficult to calculate clearly due to the combination of materials. Do not exceed  $F_{max}$  or maximum static moment load rating. See load calculations on technical pages.

Order No.	Rail size	w <sub>1</sub>	h <sub>1</sub> ±0.03	w <sub>3</sub>	w <sub>4</sub> ±0.05	l <sub>1</sub>	l <sub>2</sub>	w <sub>2</sub>	l <sub>3</sub>	d <sub>1</sub>	d <sub>2</sub>	h <sub>2</sub>	h <sub>3</sub>	±0.03 Kg
<b>L1018.F15</b>	15	47	24	15	16,0	64,0	37,8	38	30	4,3	M5	19,8	11	0,08
<b>L1018.F20</b>	20	63	30	20	21,5	85,9	51,5	53	40	5,3	M6	24,7	13	0,18
<b>L1018.F25</b>	25	70	36	23	23,5	96,0	58,0	57	45	6,7	M8	29,9	17	0,26

Order No.	h <sub>4</sub>	l <sub>4</sub>	Dynamic load C N	F max. N	M <sub>x</sub> dyn Nm	M <sub>x</sub> static max Nm	M <sub>y</sub> + M <sub>z</sub> dyn Nm	M <sub>y</sub> + M <sub>z</sub> static max Nm
<b>L1018.F15</b>	6,0	2,5	5,000	2,000	36	14	29	12
<b>L1018.F20</b>	8,0	2,8	11,000	4,400	101	40	89	35
<b>L1018.F25</b>	9,3	3,0	16,000	6,400	165	66	147	59