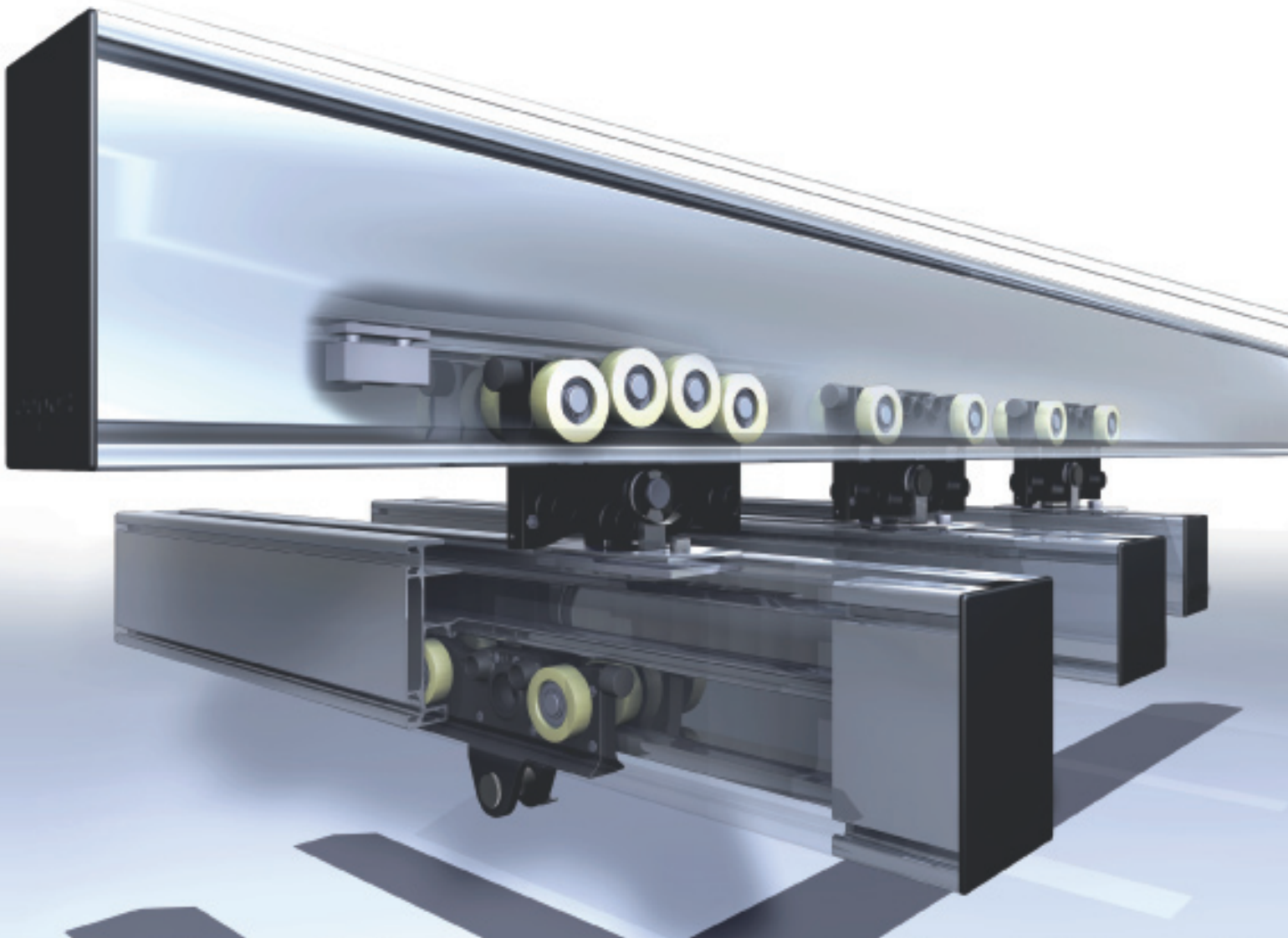


PROSYSTEM[®]

Aluminium Light Crane System

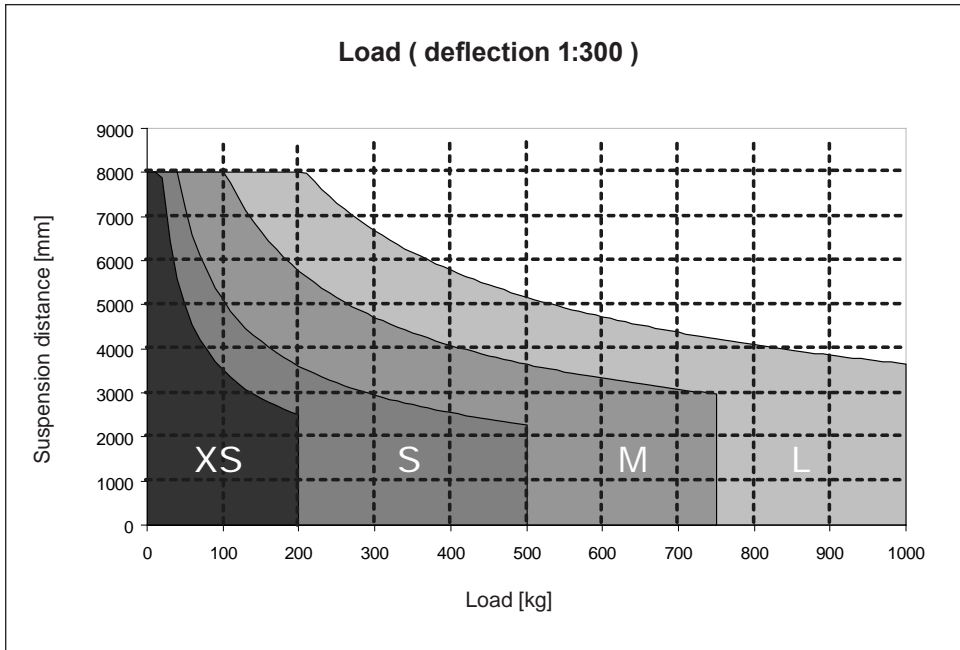
**Simple,
but true**

Intelligent profile geometry
+ Unique composite trolleys
= **Amazingly light movement**



PROSYSTEM® Aluminium Light Crane System

ERIKKILA aluminium profiles are characterised by their intelligent profile geometry. The wide range of accessories can be used with all profile sizes. The system is thus flexible and economical to implement.



Calculation of suspended load:

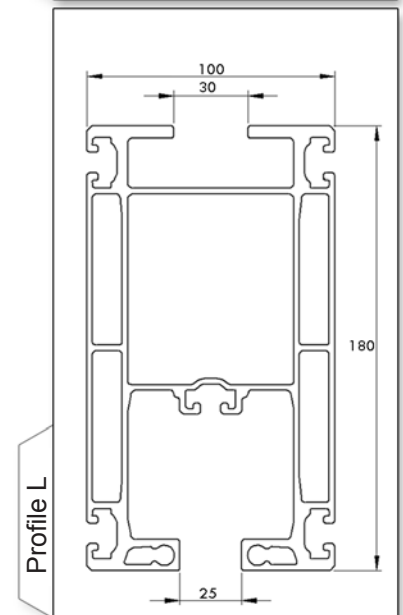
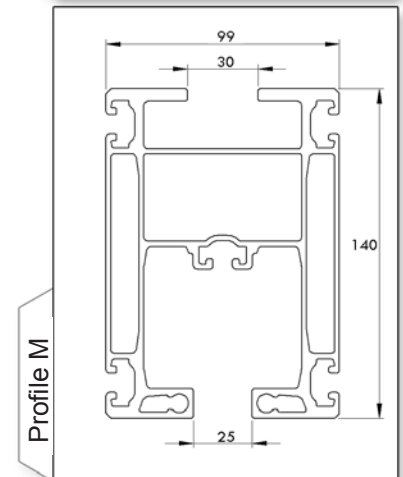
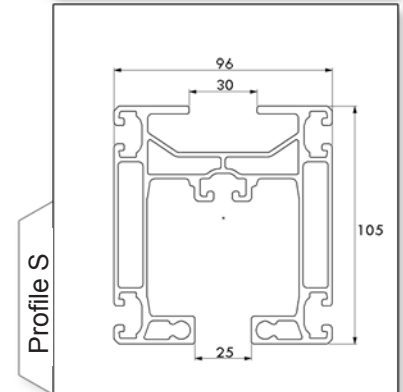
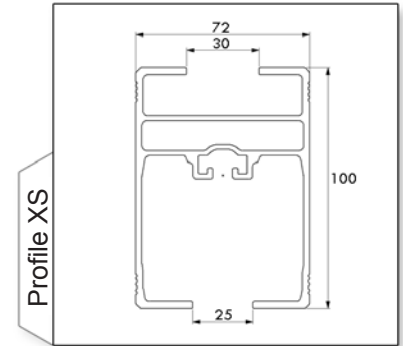
$$G_0 = G_{\text{Load}} + G_{\text{Gripper}} + G_{\text{Lifting apparatus}} + G_{\text{Runners}} + G_{\text{Crane supports}}$$

Technical Data

Profile	XS	S	M	L
Weight (kg/m)	3,00	5,00	7,00	8,50
Elastic modulus (Wx)	24,80 cm ³	43,40 cm ³	84,70 cm ³	133,10 cm ³
Moment of inertia of area (Ix)	112,40 cm ⁴	233,40 cm ⁴	598,00 cm ⁴	1204,70 cm ⁴
Cross-section	11,42 cm ²	18,49 cm ²	25,73 cm ²	31,68 cm ²

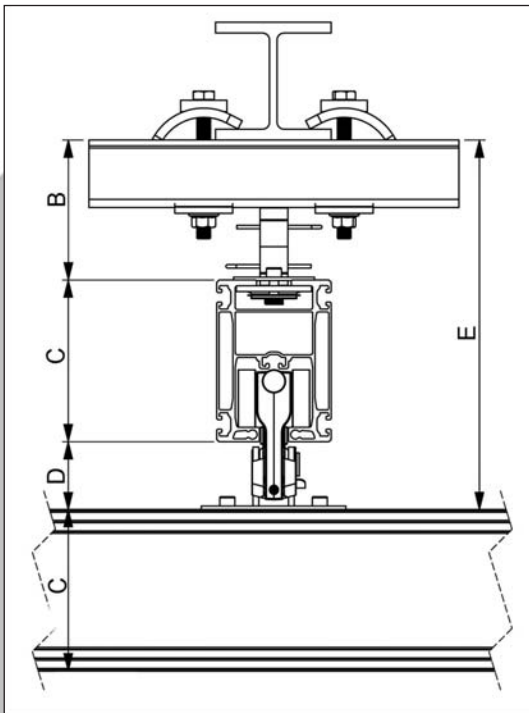
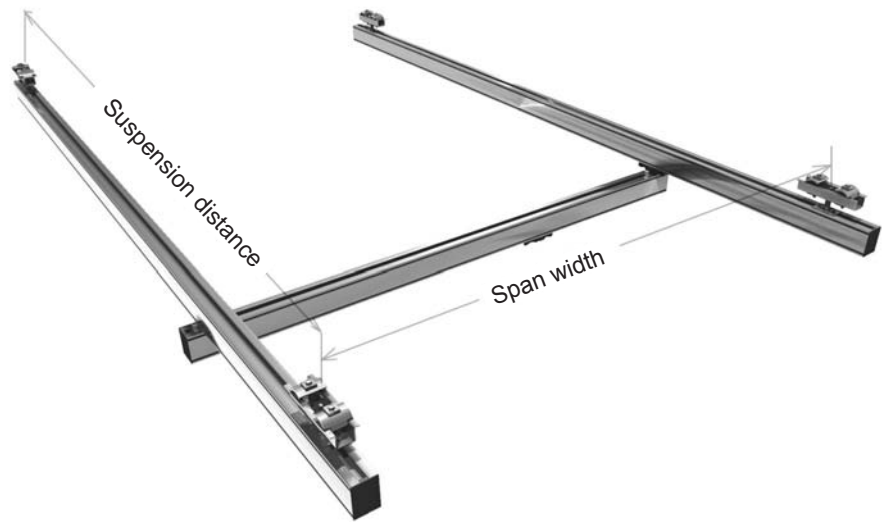


The chassis is made of glass fibre, a strengthened plastic, and can be used, depending upon execution, for loads up to 500 kg.



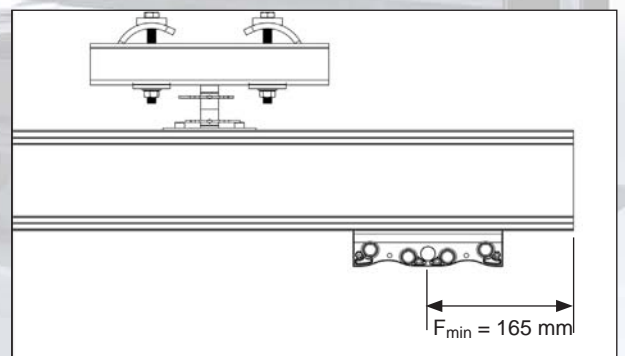
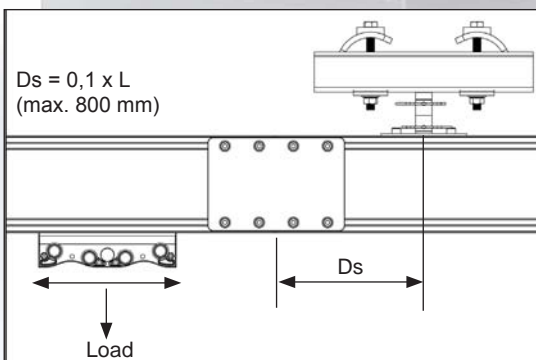
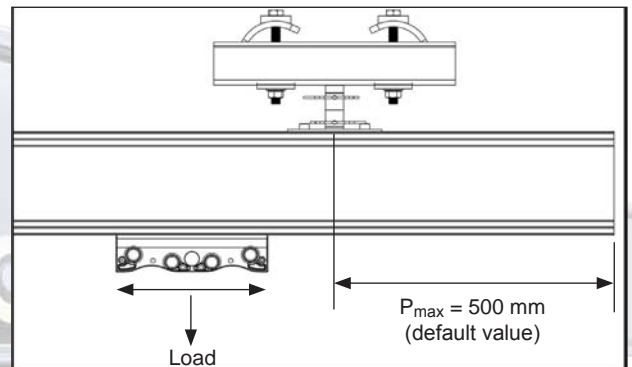
The following should be considered with regards to the profile impact and the ends of the profile:

1. The overall height of the suspension and the individual profile.
2. The distance of the profile link from the closest suspension point (D_s).
3. The projection of the profile beyond the last suspension point (P_{max}).
4. The distance of the centre of the travelling frame to the end of the profile (F_{min}).



Profile	$B_{min.} / B_{max.}^*$	C	D	$E_{min.} / E_{max.}$
XS	121 / 211	100	60	280 / 660
S	121 / 211	105	60	285 / 665
M	121 / 211	140	60	320 / 700
L	121 / 211	180	60	360 / 740

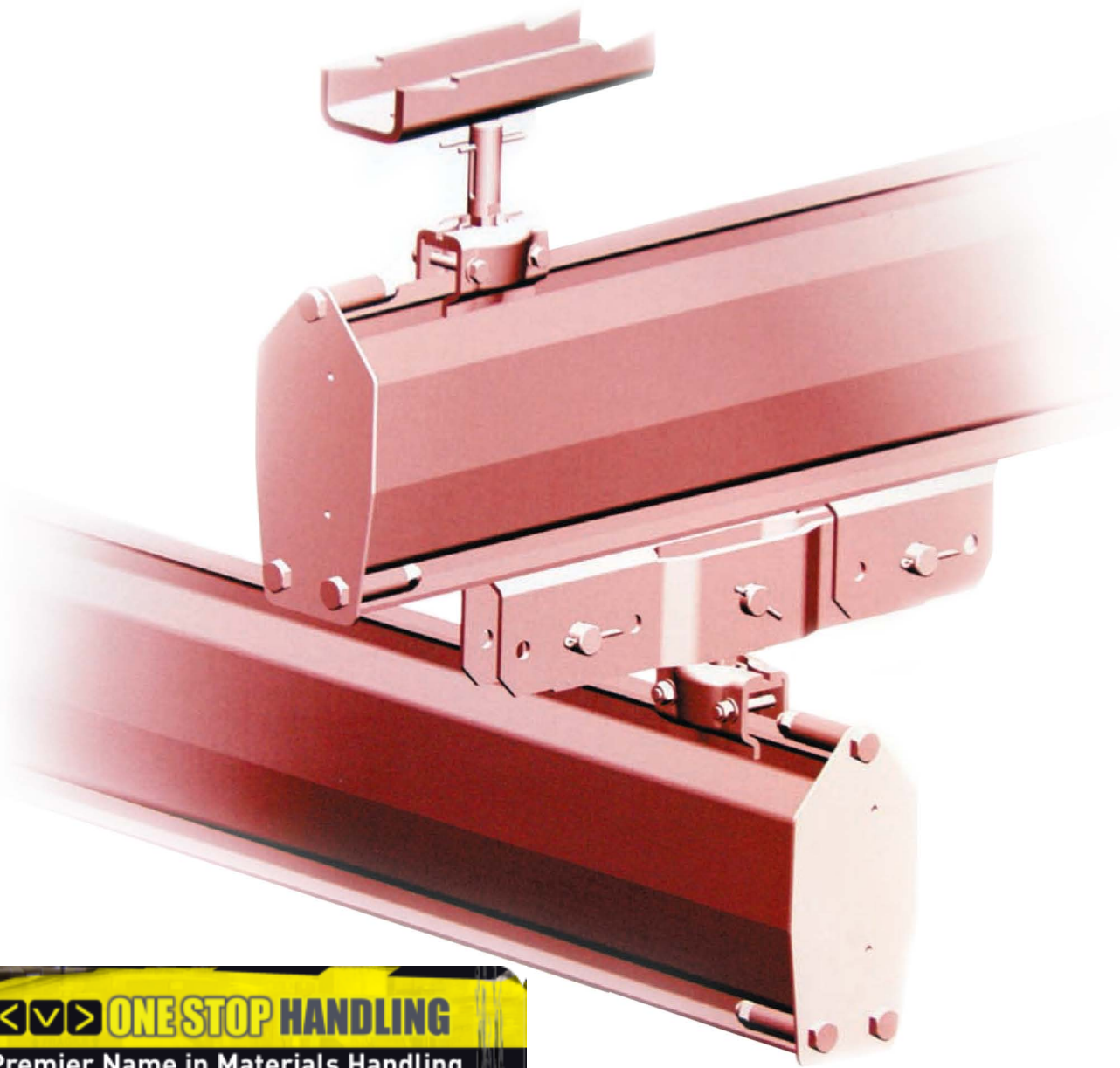
* Special lengths on inquiry (max. 500 mm)



Subject to changes.

ERIKKILA®

PASSION IN CRANES



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