

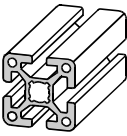
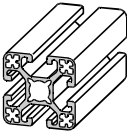
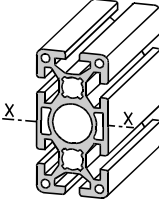
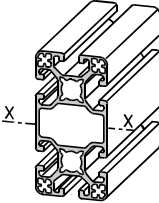
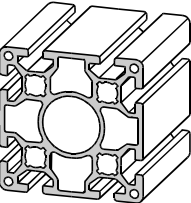
## Profil-Kennwerte

Technical specifications of the profiles

Caractéristiques techniques des profiles

Caratteristiche tecniche dei profili

Característica técnica de los perfiles

	Gewicht Weight Poids Peso Peso	Widerstandsmoment Section modulus Moment de resistance Momento di resistenza Momento de resistencia		Trägheitsmoment Moment of inertia Moment d inertie Momento di inerzia Momento de inercia	
		$W_x$ [cm <sup>3</sup> ]	$W_y$ [cm <sup>3</sup> ]	$I_x$ [cm <sup>4</sup> ]	$I_y$ [cm <sup>4</sup> ]
40x40 	G [kg/m]  2,0	6,2	6,2	12,1	12,1
40x40 L 	1,5	3,8	3,8	7,6	7,6
40x80 	3,8	21,4	11,4	83,2	23,1
40x80 L 	2,5	14,6	7,7	58,6	15,8
80x80 	5,9	37,2	37,2	144	144

Oberfläche natur, eloxiert  
Surface natural, color anodized  
Surface alu, anodisée  
Superficie anodizzata naturale  
La superficie anodizada en color natural

Festigkeit 250 N/mm<sup>2</sup>  
Tensile strength 250 N/mm<sup>2</sup>  
Rigidité 250 N/mm<sup>2</sup>  
Rigidità 250 N/mm<sup>2</sup>  
Rigiditez 250 N/mm<sup>2</sup>

Toleranzen nach DIN 17615  
Tolerance according to DIN 17615  
Tolérance d'après DIN 17615  
Tolleranza rispett. DIN 17615  
Tolerancia segun DIN 17615

Material AIMgSi 0,5  
Material AIMgSi 0,5  
Matériel AIMgSi 0,5  
Materiale AIMgSi 0,5  
Material AIMgSi 0,5

Durchbiegung Profil

Flexion of profiles

Fléchissement des profils

Flessione dei profili

Flexion de perfiles

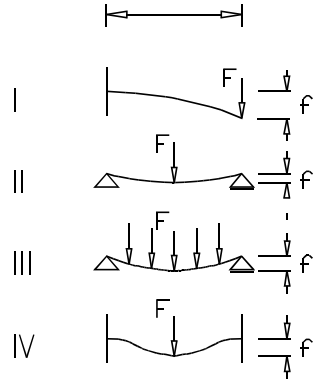
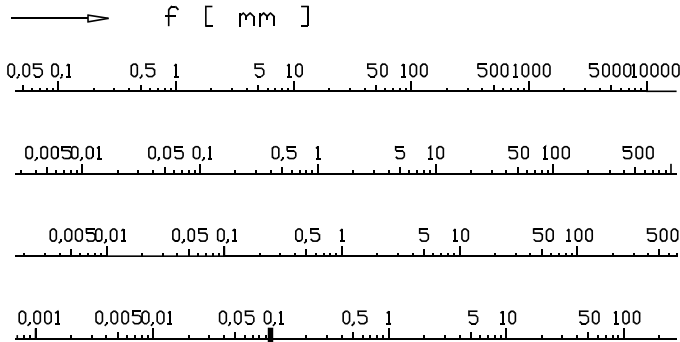
I  $f = F \times l^3 / ( 3E \times J )$

II  $f = F \times l^3 / ( 48E \times J )$

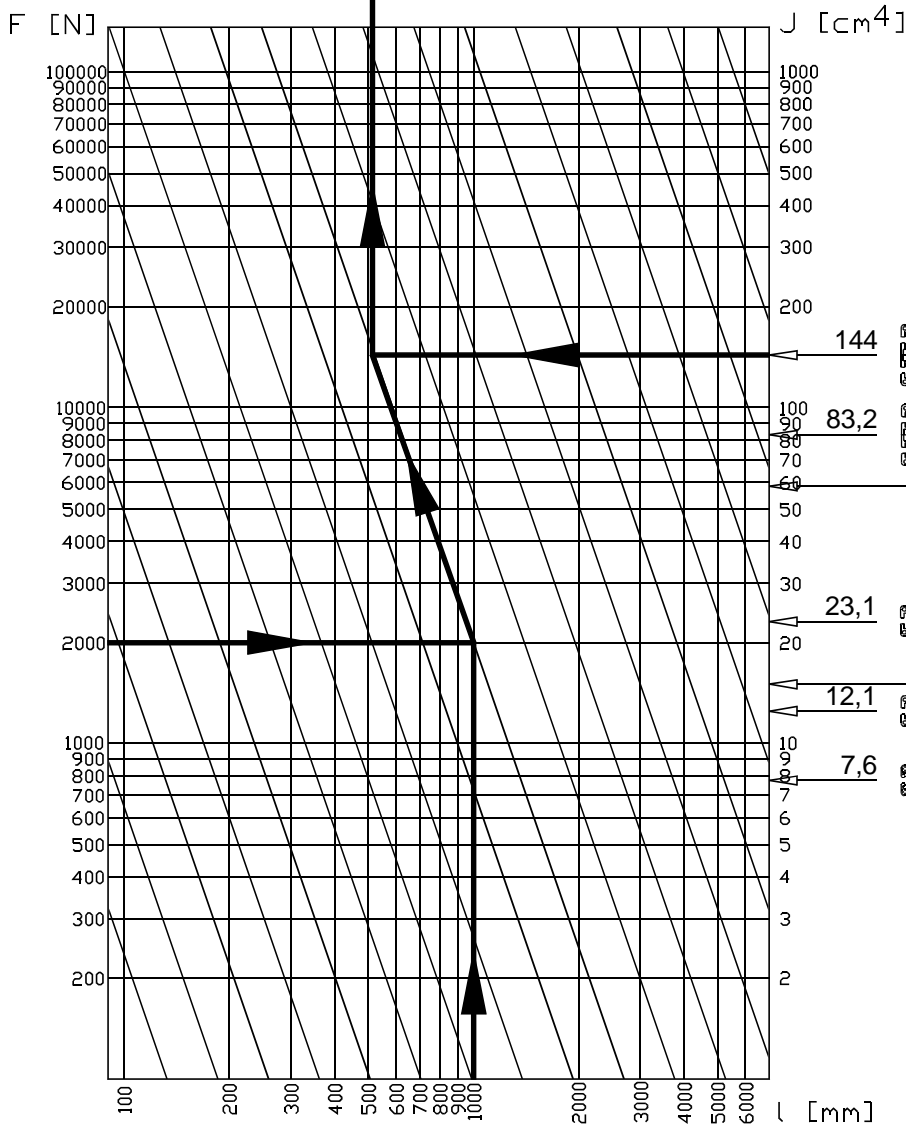
III  $f = F \times l^3 / ( 77E \times J )$

IV  $f = F \times l^3 / ( 192E \times J )$

E =  $7 \times 10^6 \text{ N/cm}^2$



**2**



- 144 80x80
- 83,2 40x80
- 58,6 40x80L
- 23,1 40x80
- 15,8 40x80L
- 12,1 40x40
- 7,6 40x40L

Beispiel IV  
 Example IV  
 Exemple IV  
 Esempio IV  
 Ejemplo IV

F = 2000 N  
 J = 144 cm<sup>4</sup>  
 l = 1000 mm  
f = 0,10 mm