


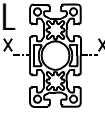
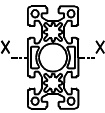

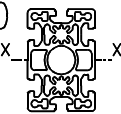
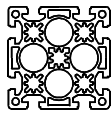


Profil - Kennwerte  
 Technical Characteristics  
 Caracteristiques techniques  
 Caratteristiche tecniche  
 Caracteristicas tecnicas

	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 inerzia	
45x45L 	G [kg/m] 1,9	$W_x$ [cm <sup>3</sup> ] 6,0	$W_y$ [cm <sup>3</sup> ] 6,0	$I_x$ [cm <sup>4</sup> ] 13,2	$I_y$ [cm <sup>4</sup> ] 13,2
45x45 	2,8	9,0	9,0	21,8	21,8
45x60 	3,6	15,6	12,5	45,8	27,5
45x90L 	3,1	19,2	10,1	88,9	22,5
45x90 	4,9	32,8	18,0	145,7	38,8
60x60 	4,6	18,2	18,2	60,0	60,0
60x90 	6,3	42,2	28,1	188,0	82,3
90x90 	8,8	54,0	54,0	244,5	244,5

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

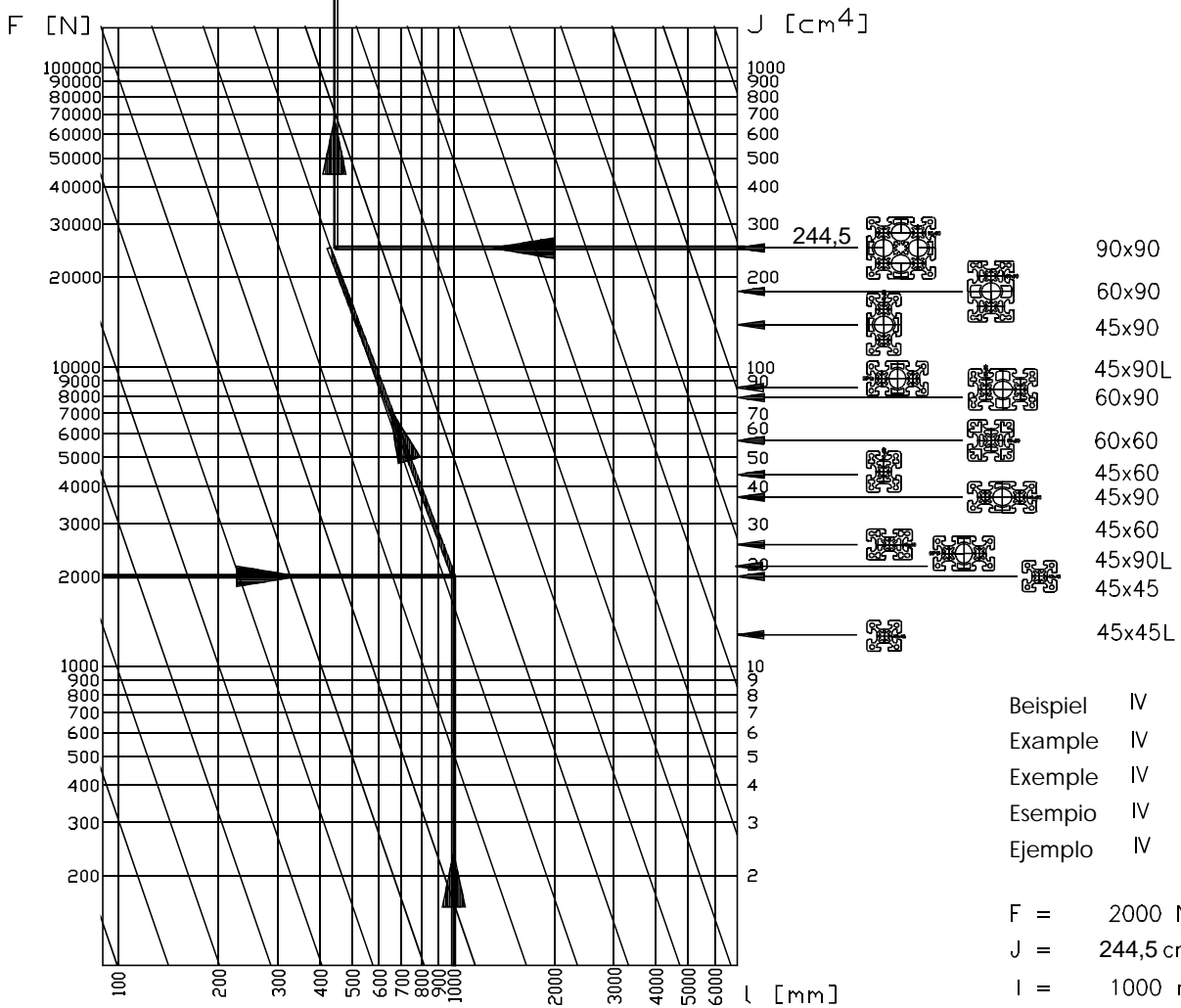
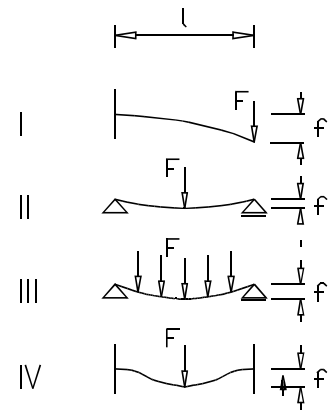
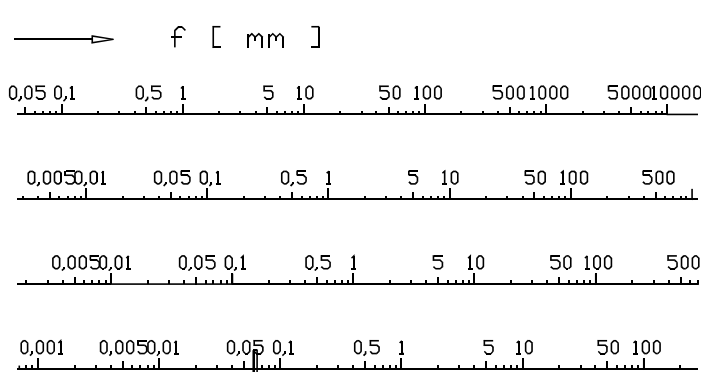
Toleranzen nach DIN 17615  
 Tolérance according to DIN 17615  
 Tolerance bien DIN 17615  
 Tolleranza rispet. DIN 17615  
 Tolerancia segun DIN 17615

Festigkeit 250 N/mm<sup>2</sup>  
 Tensile strength 250 N/mm<sup>2</sup>  
 Rigidite 250 N/mm<sup>2</sup>  
 Rigidita 250 N/mm<sup>2</sup>  
 Rigidez 250 N/mm<sup>2</sup>

Material AIMgSi 0,5  
 Material AIMgSi 0,5  
 Matériau 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  $f = F \times l^3 / ( 192E \times J )$   
 $E = 7 \times 10^6 \text{ N/cm}^2$



Beispiel IV  
 Example IV  
 Exemple IV  
 Esempio IV  
 Ejemplo IV

F = 2000 N  
 J = 244,5 cm<sup>4</sup>  
 l = 1000 mm  
f = 0,06 mm