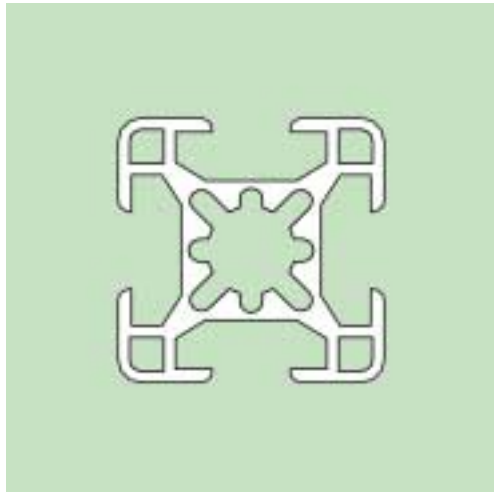


Dibujo a medida

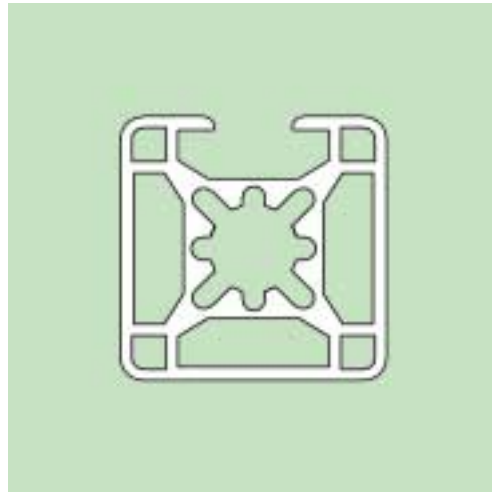
Design of measurement

Dessin à l'échelle

Maßzeichnung



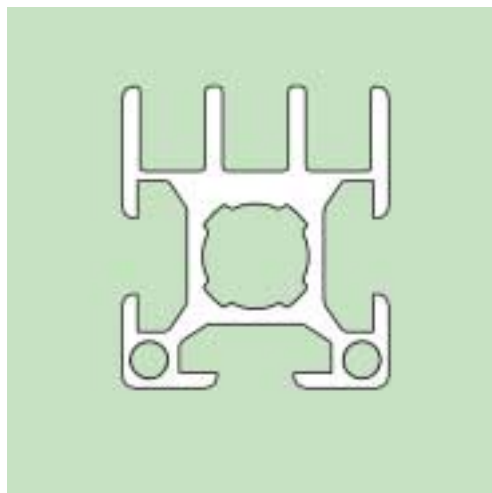
p.50 35x35F



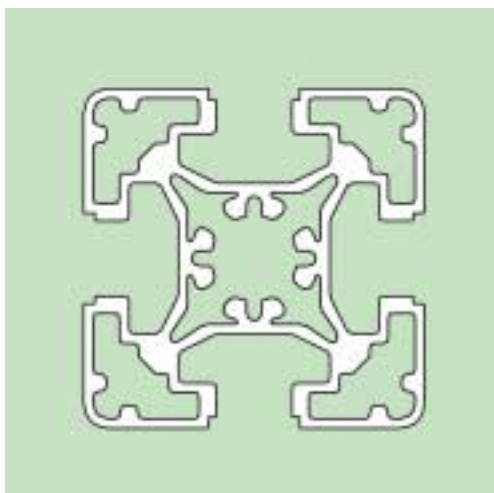
p.50 35x35 1R



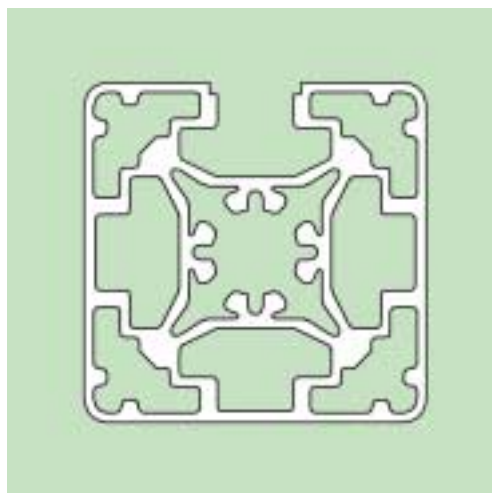
p.51 35x35S



p.51 35x40F



p.52 45x45L



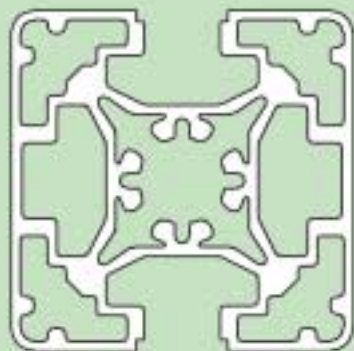
p.52 45x45L 1R

Dibujo a medida

Design of measurement

Dessin à l'échelle

Maßzeichnung



p.53 45x45L 2R 180°



p.53 45x45L 2R 90°



p.54 45x45L 3R



p.54 45x45S



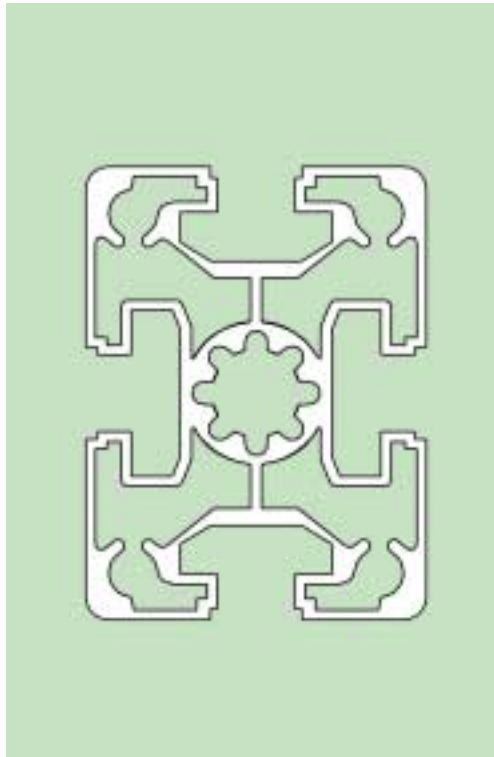
p.55 45x45F

Dibujo a medida

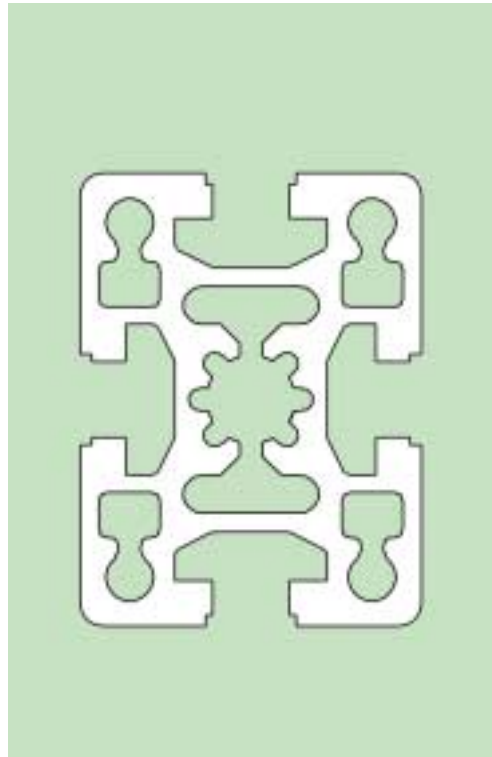
Design of measurement

Dessin à l'échelle

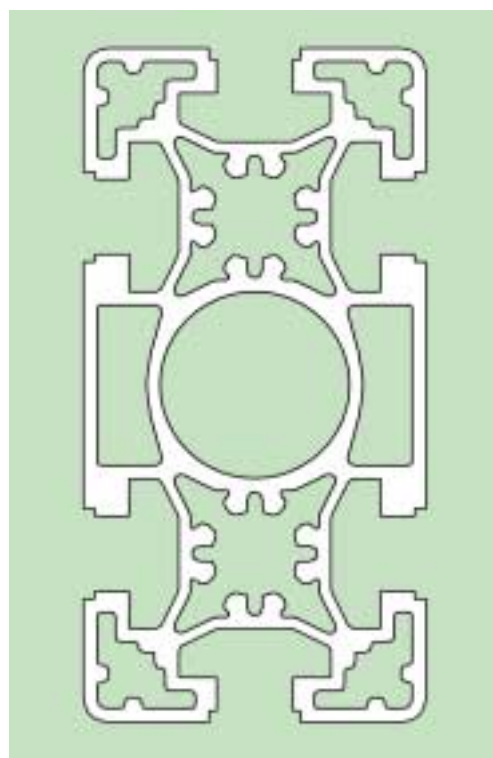
Maßzeichnung



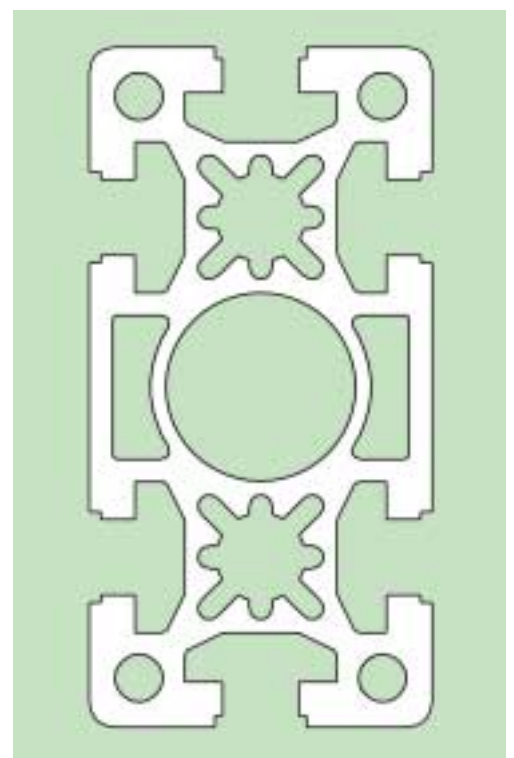
p.55 45x60L



p.56 45x60F



p.56 45x90L



p.57 45x90F

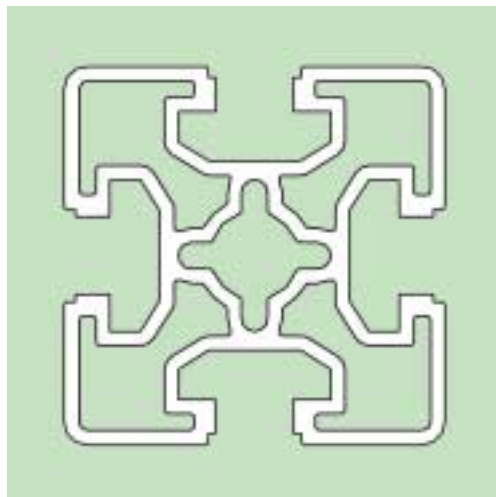


Dibujo a medida

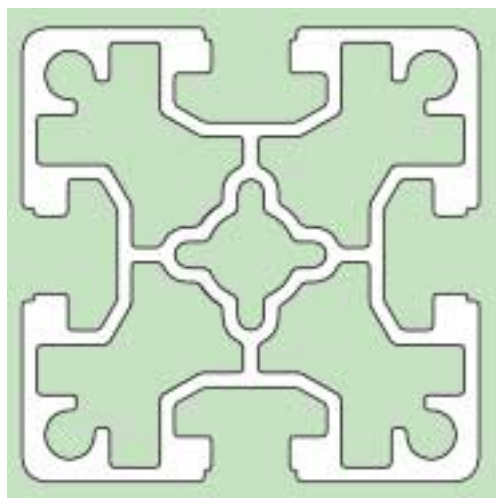
Design of measurement

Dessin à l'échelle

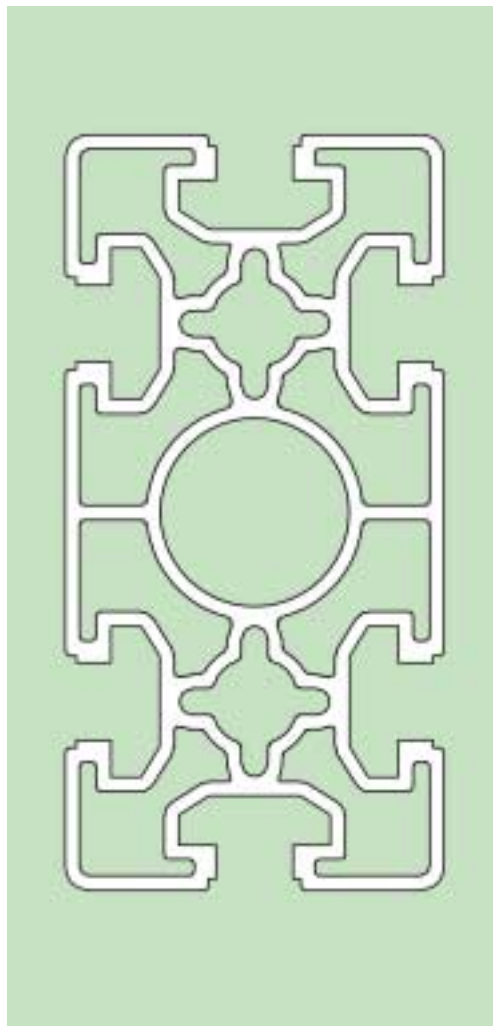
Maßzeichnung



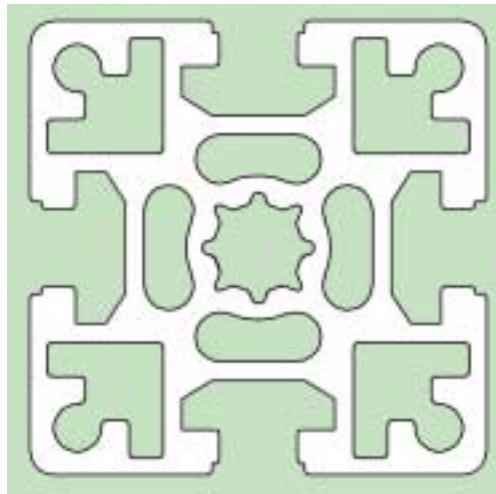
p.57 50x50F



p.58 60x60L



p.58 50x100F



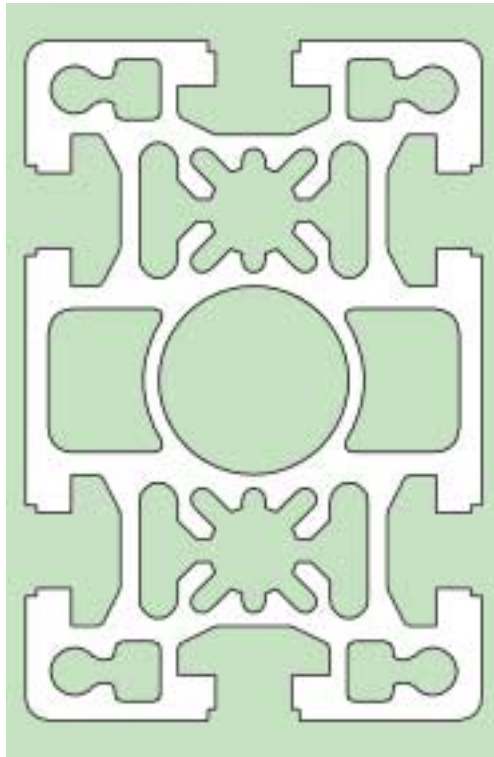
p.59 60x60F

Dibujo a medida

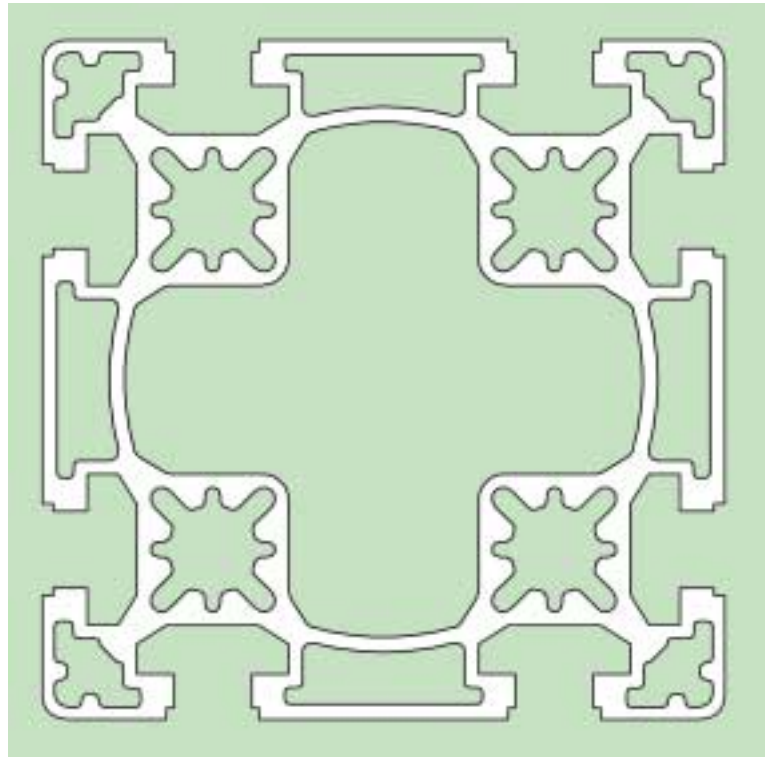
Design of measurement

Dessin à l'échelle

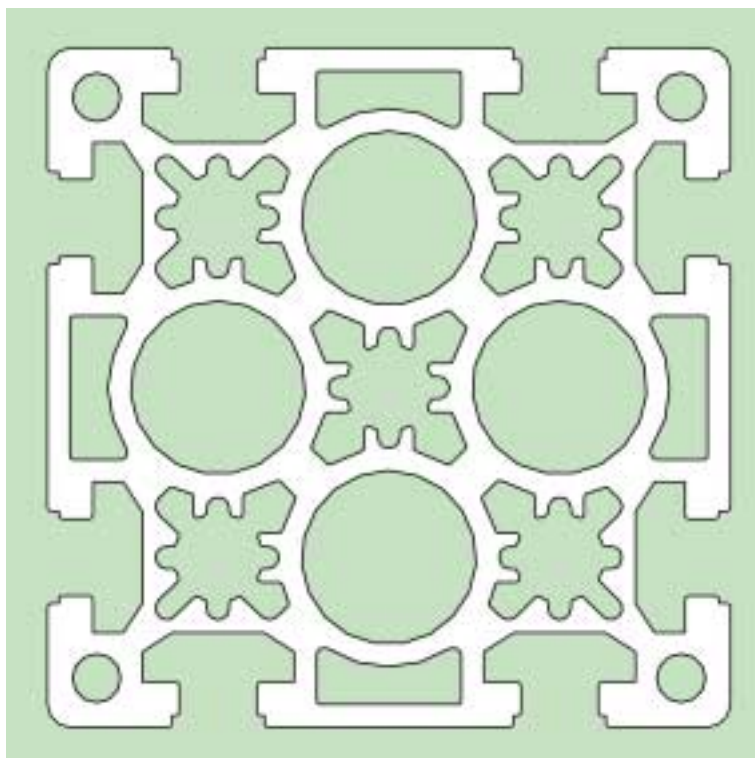
Maßzeichnung



p.59 60x90F



p.60 90x90L



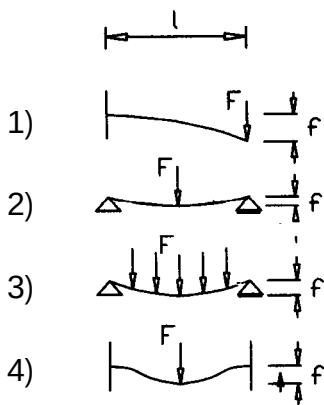
p.60 90x90F

Cálculo de la flecha

Finding Profile deflection

Calcul de la flèche

Berechnung der Durchbiegung



$$1) \quad f \text{ (cm)} = \frac{F \times L^3}{3E \times I}$$

$$2) \quad f \text{ (cm)} = \frac{F \times L^3}{48E \times I}$$

$$3) \quad f \text{ (cm)} = \frac{F \times L^3}{77E \times I}$$

$$4) \quad f \text{ (cm)} = \frac{F \times L^3}{192E \times I}$$

$f \text{ (cm)}$ = flecha / deflection / Flèche / Durchbiegung

$F \text{ (N)}$ = Esfuerzo / Load / Force / Kraft

$L \text{ (cm)}$ = Longitud del perfil / Profile length / Longueur du profilé / Länge des Profils

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

$I \text{ (cm}^4\text{)}$ = Momento de inercia (Ver tabla página siguiente)

Moment of inertia (See table on following page)

Moment d'inertie (Voir tableau page suivante)

Trägheitsmoment (Tabelle auf nachfolgender Seite)

Superficie anodizada en color natural
Clear anodized finished
Surface anodisée en couleur naturelle
Oberfläche natur eloxiert

Posibilidad de anodizado en color
Possiblity to color anodized
Possibilité d'anodisation en couleur
Eloxierung in anderen Farben möglich

Rigidez 250 N/mm²
Tensile strength 250 N/mm²
Rigidité 250 N/mm²
Festigkeit 250 N/mm²

Tolerancia según DIN17615
Tolerance according to DIN17615
Tolérance selon DIN17615
Toleranz nach DIN17615

Características técnicas

Technical Characteristics

Caractéristiques techniques

Profil-Kennwerte

			W (cm ³)		I (cm ⁴)	
			Wx	Wy	Ix	Iy
35x35F		1	2,7	2,7	4,7	4,7
35x35 1R		1,2	3,3	3,0	5,8	5,2
35x35S		1,1	2,2	2,2	4,9	4,9
35x40F		1,4	3,4	3,2	7,1	5,9
45x45L		1,6	5,1	5,1	11,4	11,4
45x45L 1R		1,7	5,9	5,5	13,2	12,3
45x45L 2R 180°		1,7	5,9	5,1	13,2	11,5
45x45L 2R 90°		1,7	5,5	5,5	12,3	12,3
45x45L 3R		1,6	5,1	5,5	11,5	12,3
45x45F		2,2	7,0	7,0	15,8	15,8
45x45S		1,4	3,5	3,5	8,7	8,7

X

Características técnicas

Technical Characteristics

Caractéristiques techniques

Profil-Kennwerte

	 Y	 Kg/m	W (cm ³)		I (cm ⁴)	
			Wx	Wy	Ix	Iy
45x45S		1,4	3,5	3,5	8,7	8,7
45x60L		2,3	10,1	7,7	30,4	17,3
45x60F		3,6	15,3	12,2	45,8	27,5
45x90L		3,4	22,0	11,9	98,9	26,7
45x90F		4,7	30,6	16,2	137,6	36,4
50x50F		2,1	7,4	7,4	18,4	18,4
50x100F		3,8	26,9	14,2	134,5	35,4
60x60L		3,1	15,0	15,0	45,1	45,1
60x60F		4,4	18,4	18,4	55,2	55,2
60x90F		6,3	39,4	25,8	177,4	77,4
90x90L		5,9	42,9	42,9	193,1	193,1

 X

Características técnicas

Technical Characteristics

Caractéristiques techniques

Profil-Kennwerte

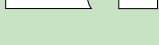
		 Kg/m	W (cm ³)		I (cm ⁴)	
			Wx	Wy	Ix	Iy
90x90F		8,6	55,6	55,6	250,3	250,3

Posibilidades de mecanizar los extremos

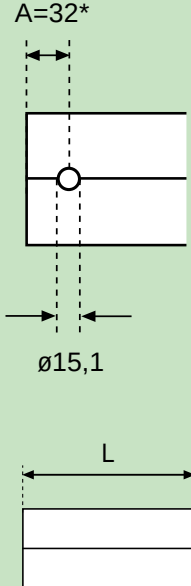
Outline of end finishing

Mécanisations possibles des extrémités

Übersicht Endenbearbeitung

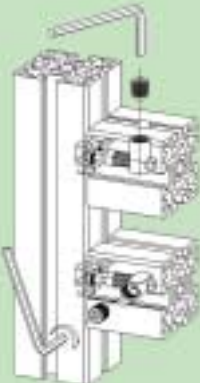
Código Codes Codes Codes				
02				
12				
13			1x1C1855	
14			1x1C1856	
15				
16			1x1C1855	
17			1x1C1856	
18				
19			1x1C1855	
20			1x1C1856	
21				

A=32*



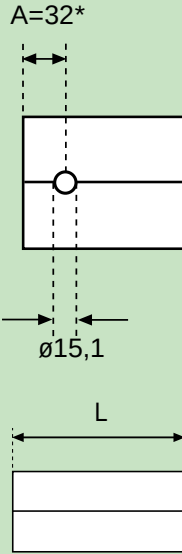
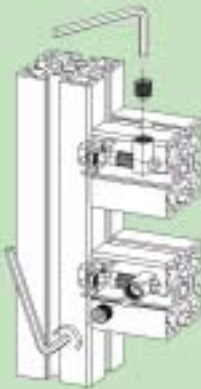
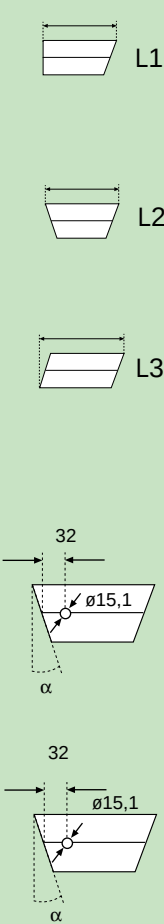
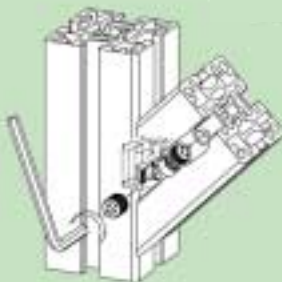
ø15,1

L



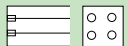
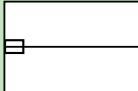
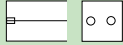
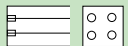
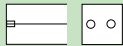
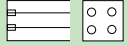
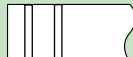
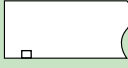
A= 36 mm, si el perfil a unir es el 35x35
A= 36 mm, If the profil to join is 35x35
A= 36 mm, Si le profilé à unir est le 35x35
A= 36 mm, Für Verbindungstüke 35x35

Descripción de los códigos en pág. 4
Code descripton on page 4
Description de codes page 4
Beschreibung von codes in seite 4

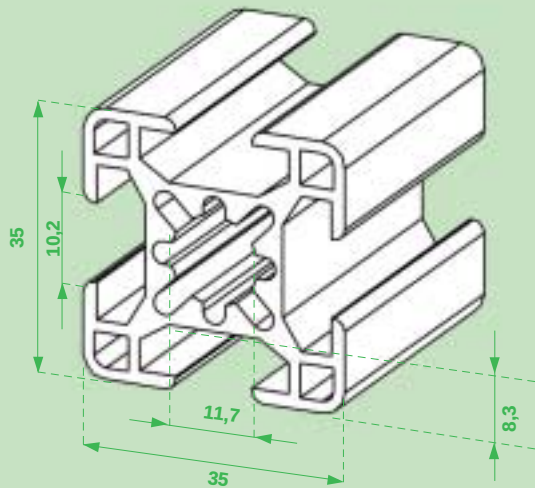
Código Codes Codes Codes				
22		2x1C1855		
23		2x1C1856		
24				
25		4x1C1855		
26		4x1C1855		
A= 36 mm, si el perfil a unir es el 35x35 A= 36 mm, If the profil to join is 35x35 A= 36 mm, Si le profilé à unir est le 35x35 A= 36 mm, Für Verbindungstüike 35x35				
27				
28				
29		1x1C1854		
30				
31		1x1C1854		
32				
33		2x1C1854		
34				



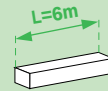
Código Codes Codes Codes				
35		2x1C1854		L1
36				L2
37		4x1C1854		L3
38			 	
39				
40				
41		1x1I1808	 	
42		2x1I1808		
43		4x1I1808		

Código Codes Codes Codes				
44		1x11810		
45		2x11810		
46		4x11810		
47		1x11812		
48		2x11812		
49		4x11812		
50				
51				
52				
55			 	1C1020-C
56				
57				
58				
60			 17	

35x35F

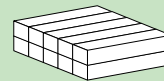


3535F0202/...mm



3535F0001

10X6m



3535F0000

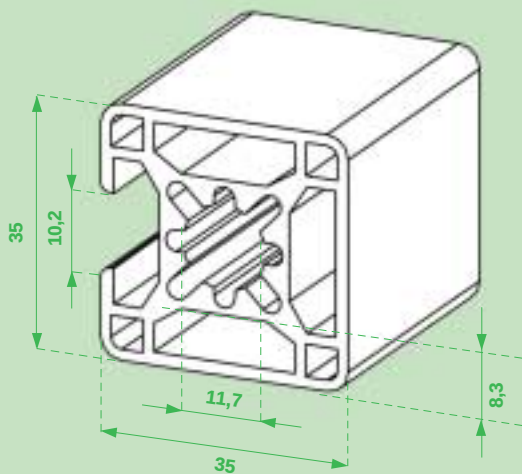


1,0 Kg/m

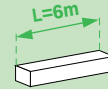
Mat

AlMgSi 0,5

35x35 1R

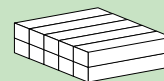


3535A0202/...mm



3535A0001

10X6m



3535A0000

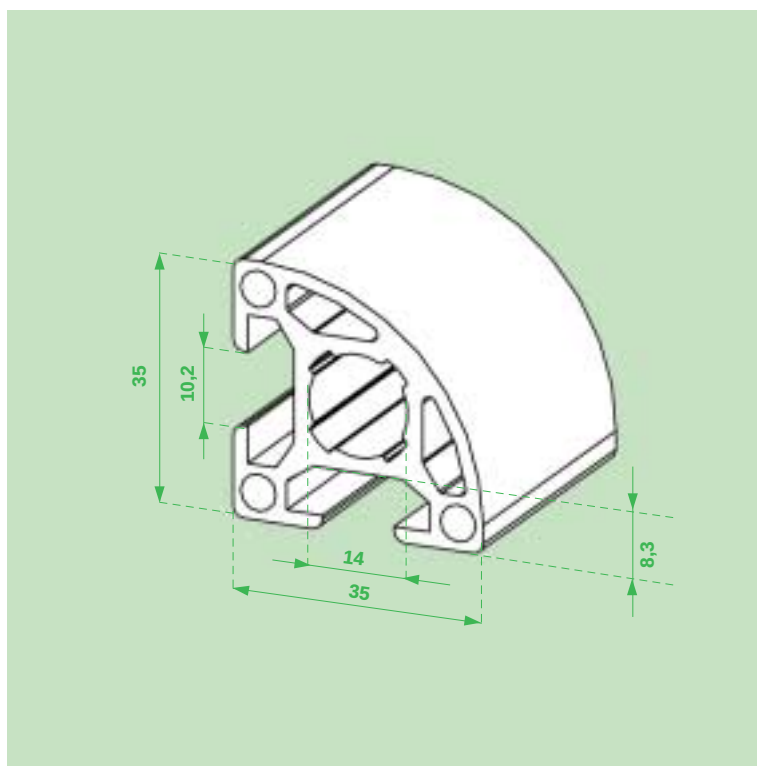


1,2 Kg/m

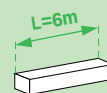
Mat

AlMgSi 0,5

35x35S

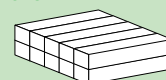


3535S0202/...mm



3535S0001

10X6m



3535S0000

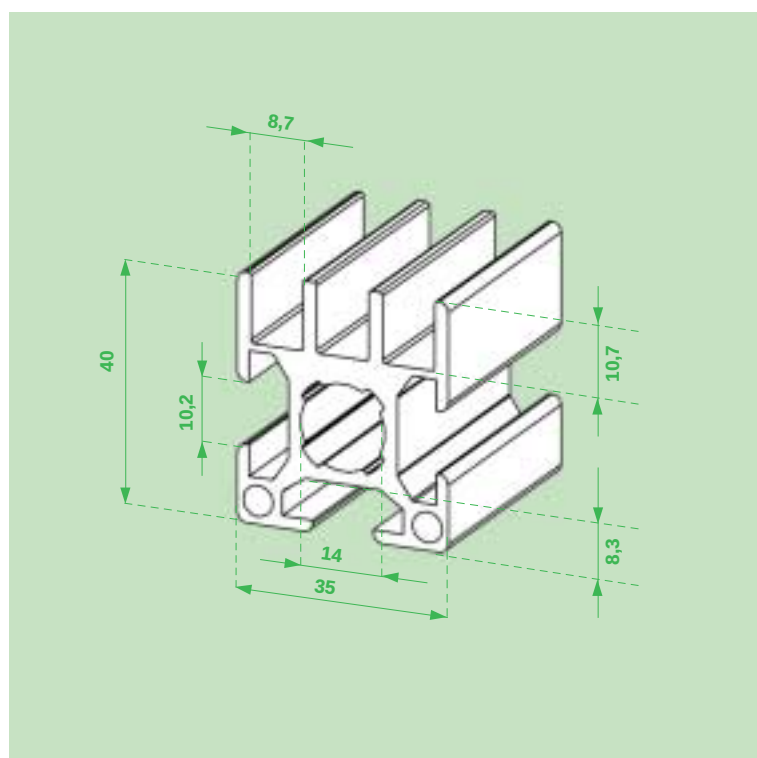


1,1 Kg/m

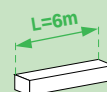
Mat

AlMgSi 0,5

35x40F

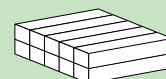


3540F0202/...mm



3540F0001

10X6m



3540F0000

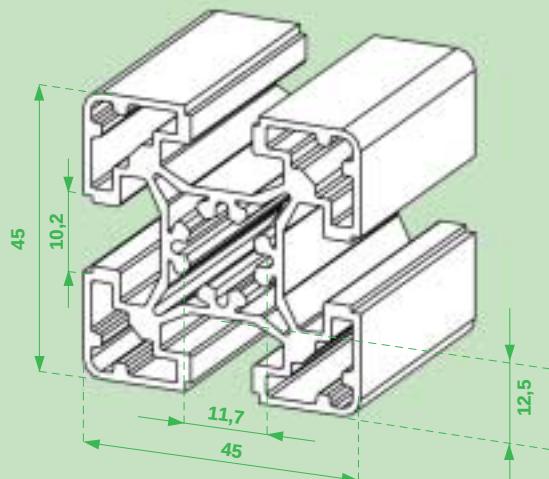


1,4 Kg/m

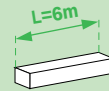
Mat

AlMgSi 0,5

45x45L

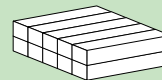


4545L0202/...mm



4545L0001

10X6m



4545L0000

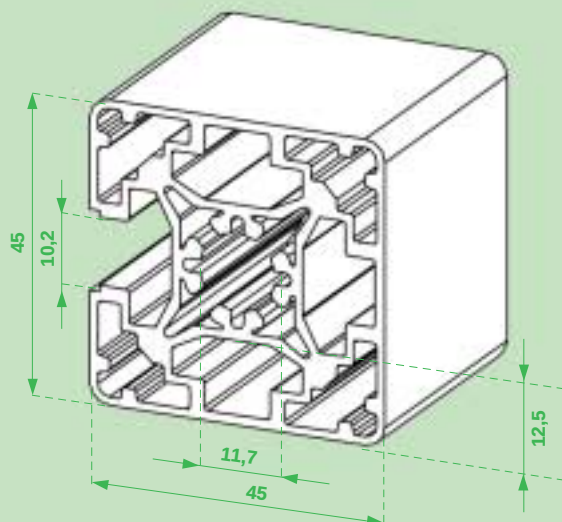


1,6 Kg/m

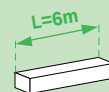
Mat

AlMgSi 0,5

45x45L 1R

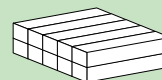


4545A0202/...mm



4545A0001

10X6m



4545A0000

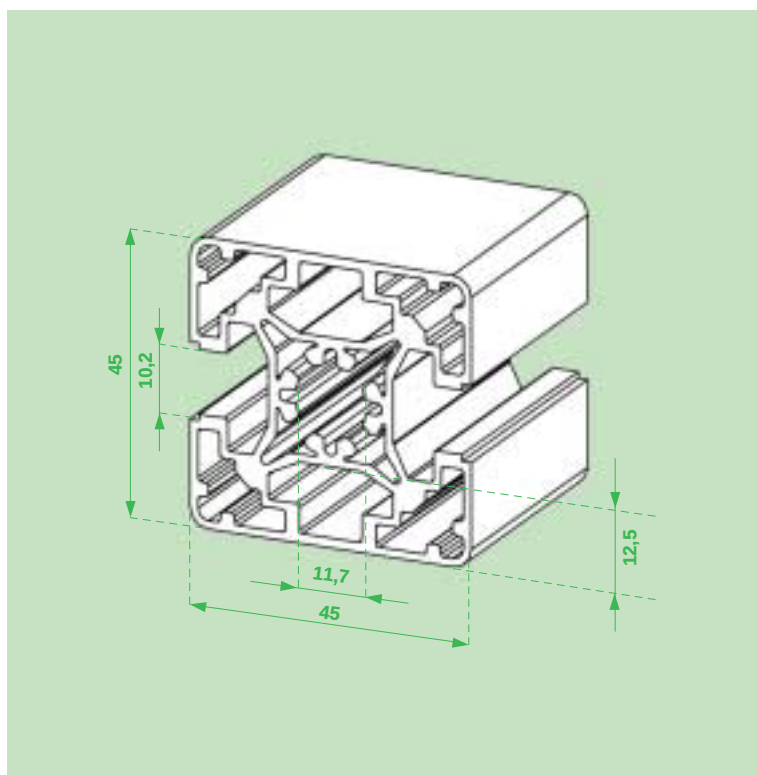


1,7 Kg/m

Mat

AlMgSi 0,5

45x45L 2R 180°

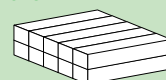


4545C0202/...mm



4545C0001

10X6m



4545C0000

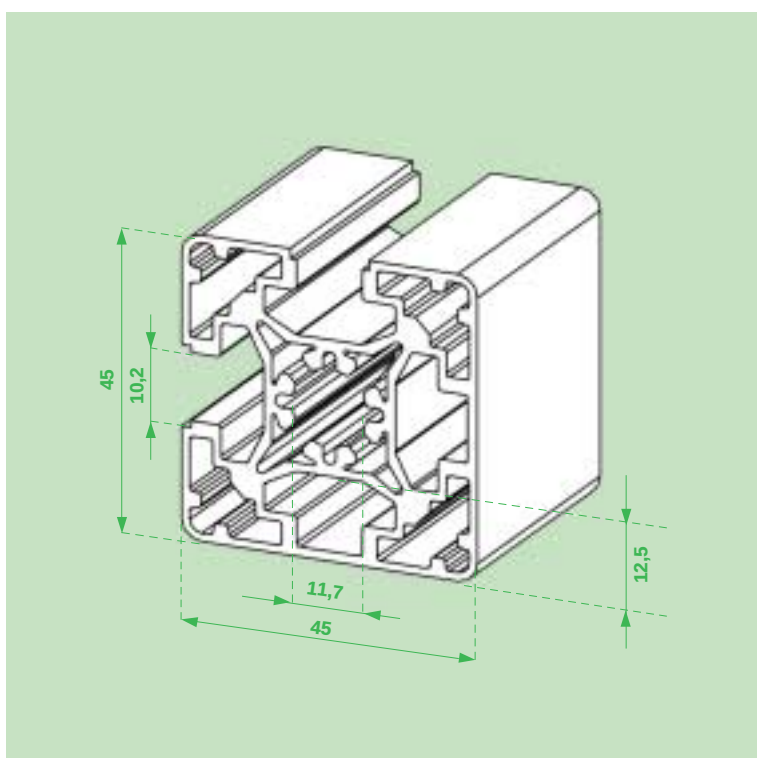


1,7 Kg/m

Mat

AlMgSi 0,5

45x45L 2R 90°

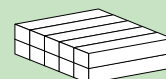


4545B0202/...mm



4545B0001

10X6m



4545B0000

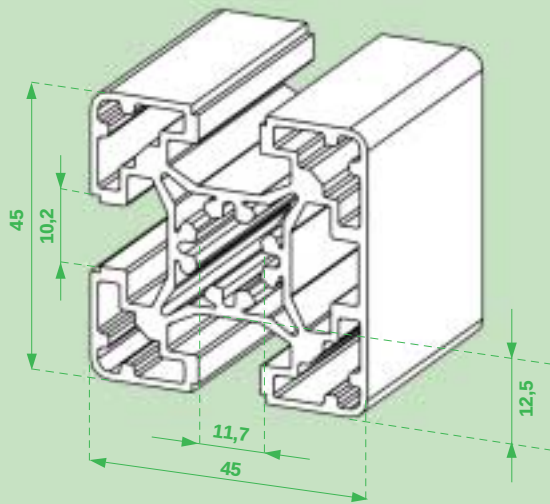


1,7 Kg/m

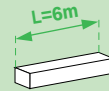
Mat

AlMgSi 0,5

45x45L 3R

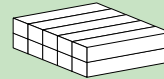


4545D0202/...mm



4545D0001

10X6m



4545D0000

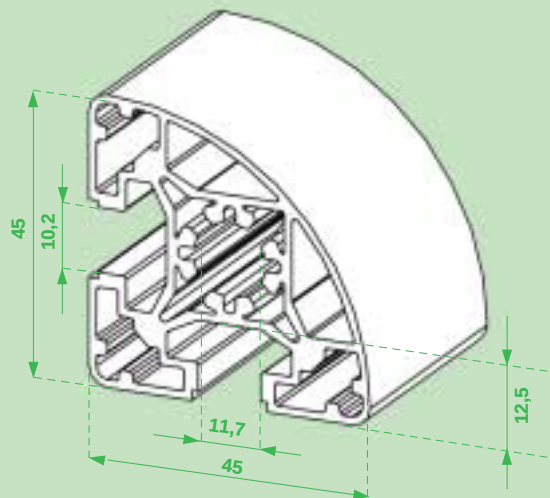


1,6 Kg/m

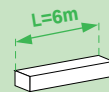
Mat

AlMgSi 0,5

45x45S

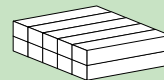


4545S0202/...mm



4545S0001

10X6m



4545S0000

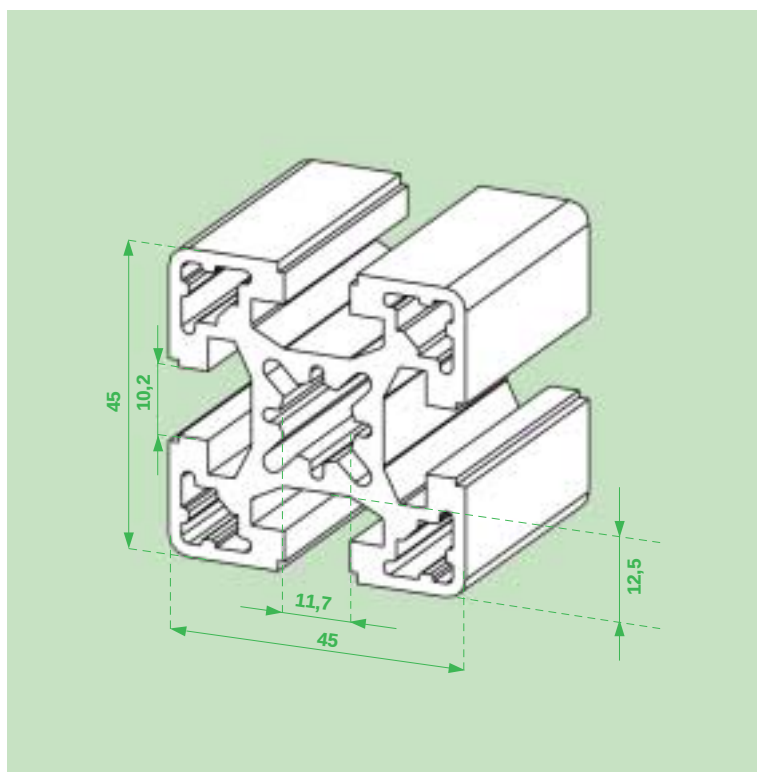


1,4 Kg/m

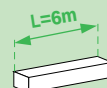
Mat

AlMgSi 0,5

45x45F

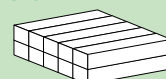


4545F0202/...mm



4545F0001

10X6m



4545F0000

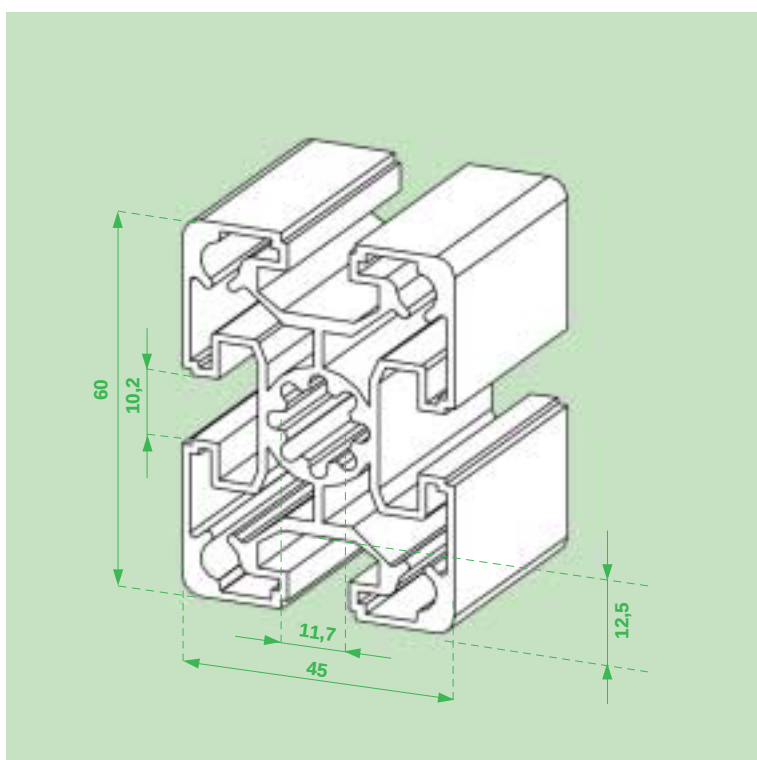


2,2 Kg/m

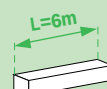
Mat

AlMgSi 0,5

45x60L

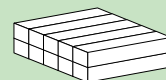


4560L0202/...mm



4560L0001

10X6m



4560L0000

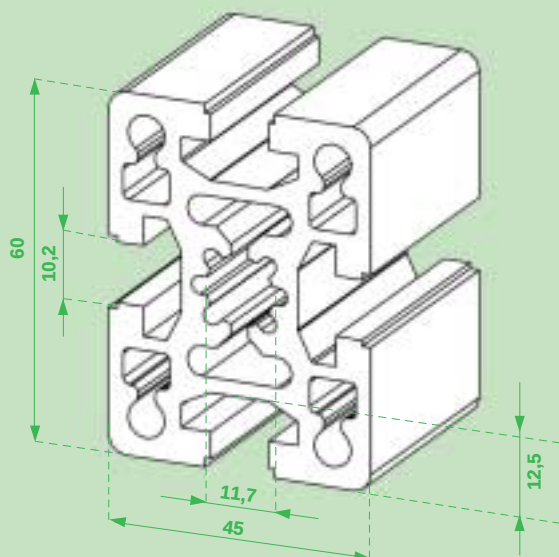


2,3 Kg/m

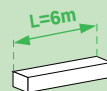
Mat

AlMgSi 0,5

45x60F

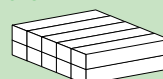


4560F0202/...mm



4560F0001

10X6m



4560F0000

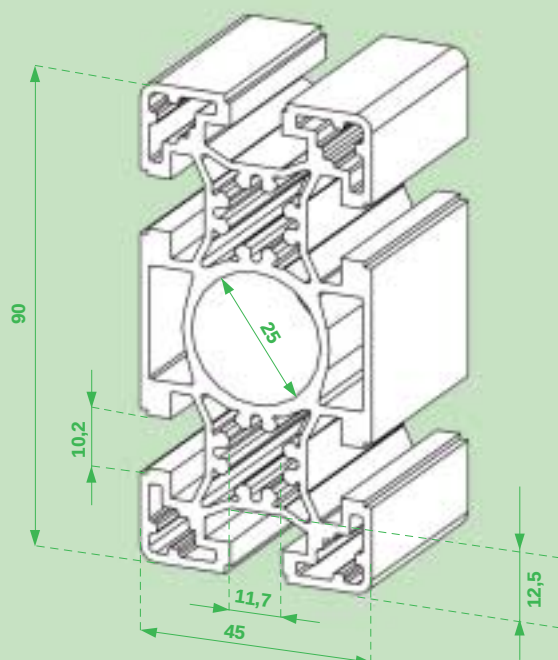


3,6 Kg/m

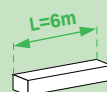
Mat

AlMgSi 0,5

45x90L

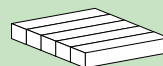


4590L0202/...mm



4590L0001

5X6m



4590L0000

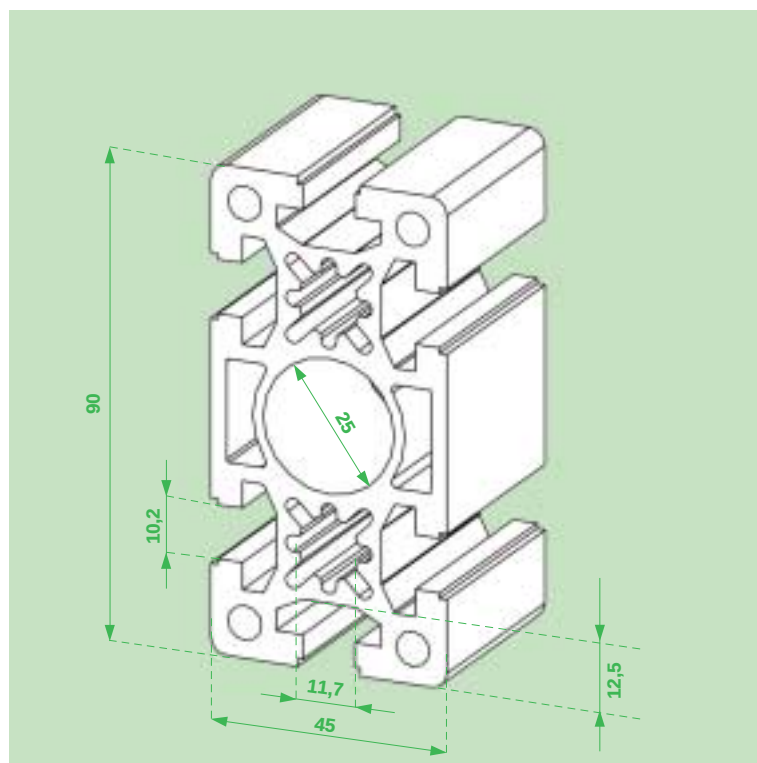


3,4 Kg/m

Mat

AlMgSi 0,5

45x90F

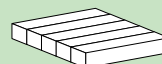


4590F0202/...mm



4590F0001

5X6m



4590F0000

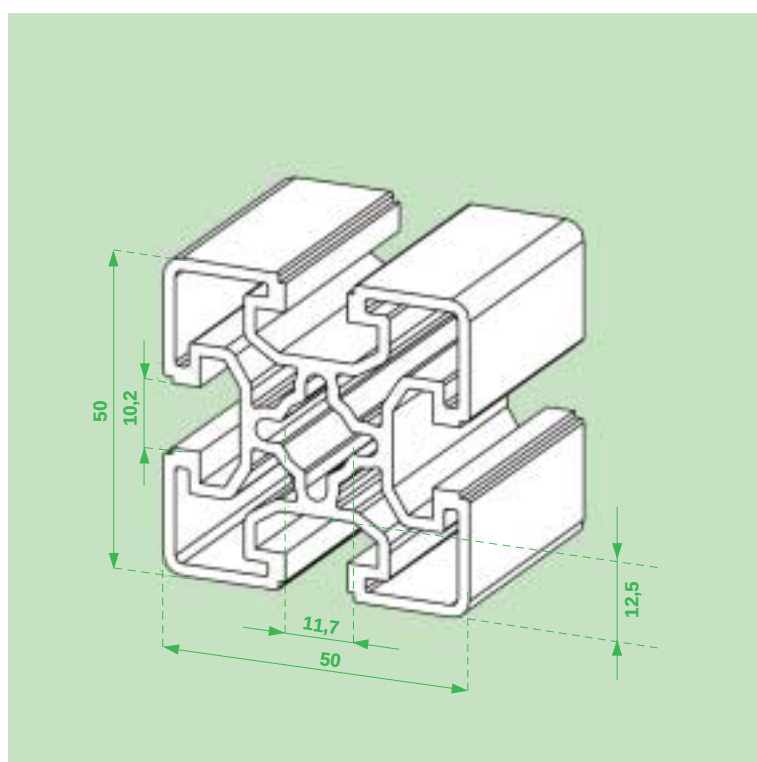


4,7 Kg/m

Mat

AlMgSi 0,5

50x50F

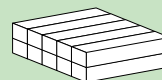


5050F0202/...mm



5050F0001

10X6m



5050F0000

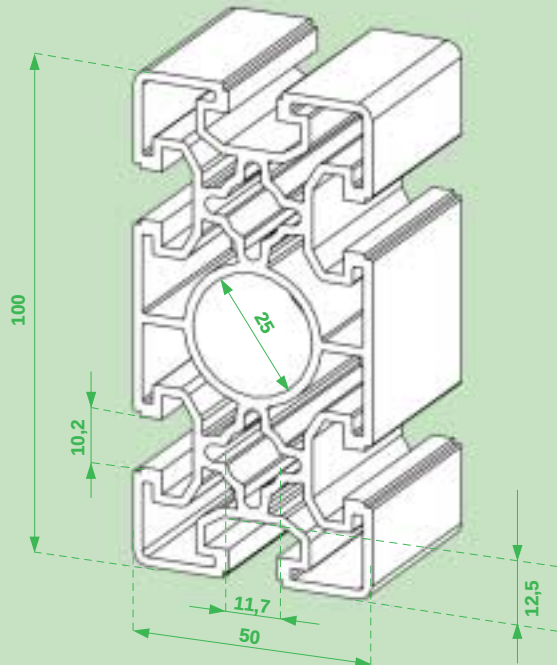


2,1 Kg/m

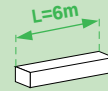
Mat

AlMgSi 0,5

50x100F

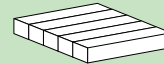


5010F0202/...mm



5010F0001

5X6m



5010F0000

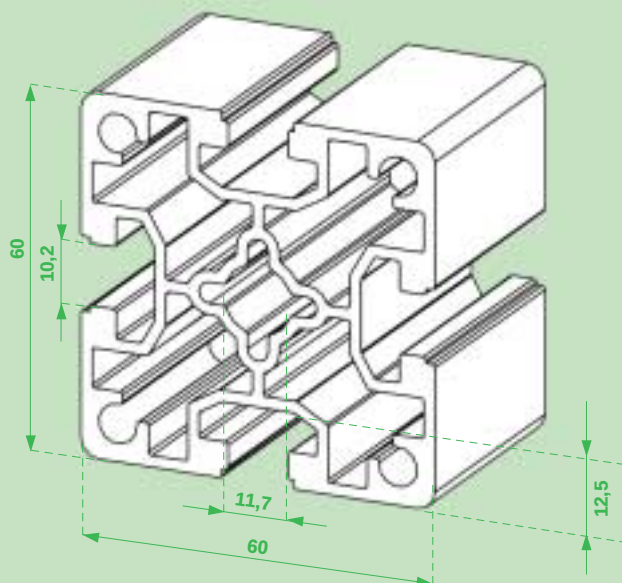


3,8 Kg/m

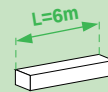
Mat

AlMgSi 0,5

60x60L

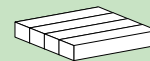


6060L0202/...mm



6060L0001

4X6m



6060L0000

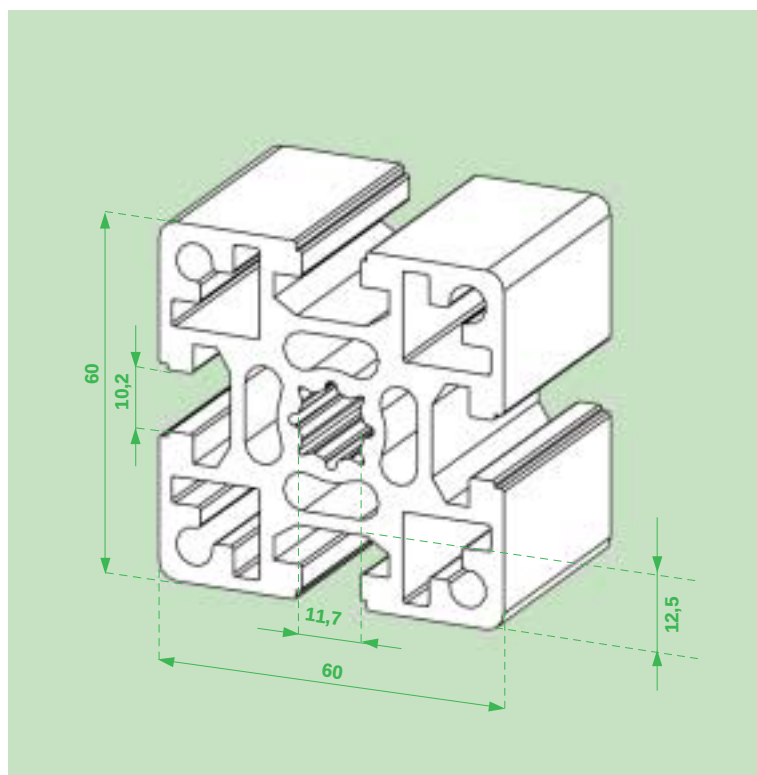


3,1 Kg/m

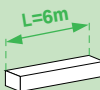
Mat

AlMgSi 0,5

60x60F



6060F0202/...mm



6060F0001

4X6m



6060F0000

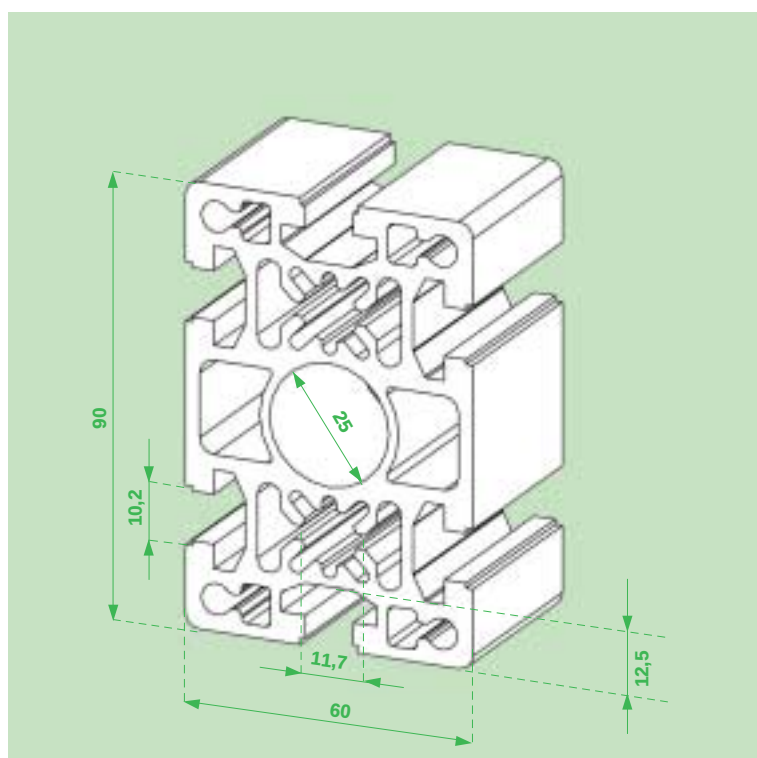


4,4 Kg/m

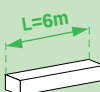
Mat

AlMgSi 0,5

60x90F



6090F0202/...mm



6090F0001

2X6m



6090F0000

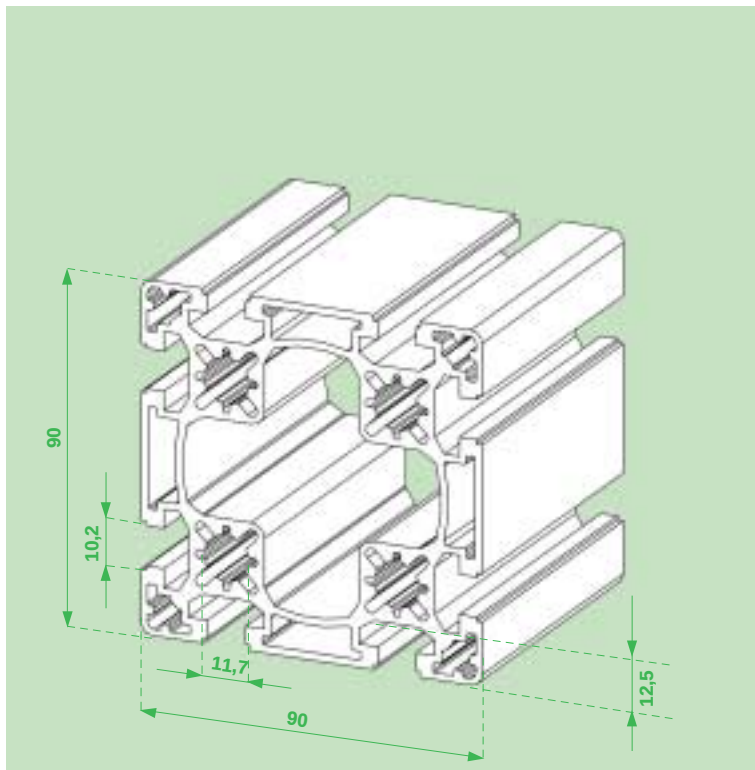


6,3 Kg/m

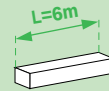
Mat

AlMgSi 0,5

90x90L



9090L0202/...mm



9090L0001

2X6m



9090L0000

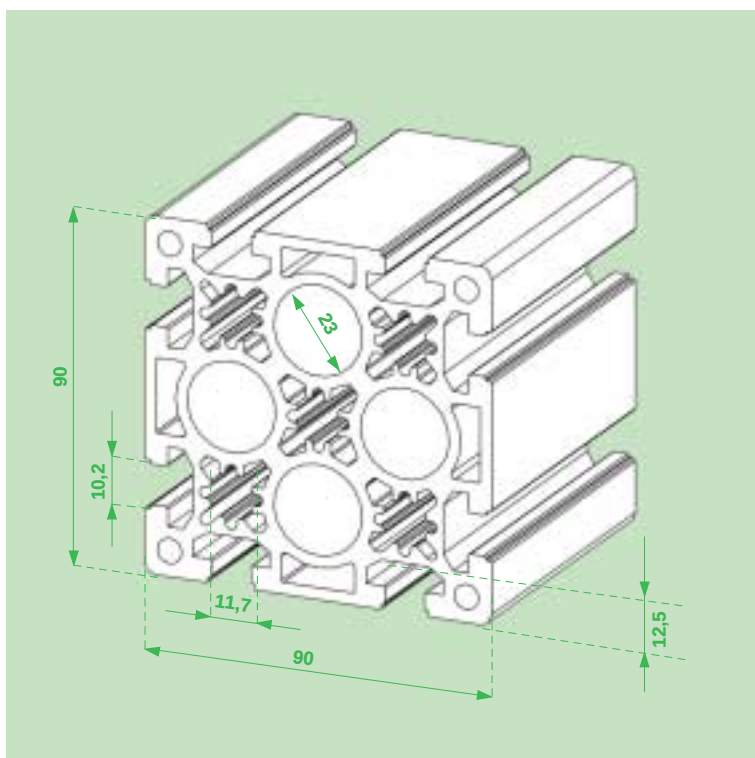


5,9 Kg/m

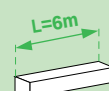
Mat

AlMgSi 0,5

90x90F



9090F0202/...mm



9090F0001

2X6m



9090F0000



8,6 Kg/m

Mat

AlMgSi 0,5