

PERFIS EM ALUMÍNIO



SISTEMAS MODULARES

Os perfis de alumínio são barras ou peças longas de alumínio que foram extrudidas em várias formas geométricas. A extrusão é um processo em que o alumínio é forçado através de uma matriz para criar uma secção transversal específica. Este processo permite a criação de perfis com formas complexas e precisas, como perfis em "T", "L", "U", quadrados, retangulares, ou com designs mais personalizados.

Características dos Perfis de Alumínio:

- Leveza
- Resistência à corrosão
- Durabilidade
- Versatilidade
- Sustentabilidade

GLOSSÁRIO



Largura da ranhura do perfil



Largura da ranhura do perfil



Largura da ranhura do perfil



Largura da ranhura do perfil

L

Execução de perfis para cargas menores

H

Execução de perfis para cargas maiores

R

Execução de perfis com raio

C1

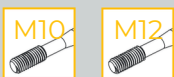
Perfil fechado de um lado

C2

Perfil fechado em ambos os lados



Roscas destinadas



Roscas opcionais



Momento



O elemento é inserido na ranhura nas extremidades do perfil



O elemento é inserido em qualquer lugar da ranhura do perfil



O elemento é inserido em qualquer lugar na ranhura do perfil e girado em 90°



Massa do produto, em gramas



Chave hex

Fe

Aço

Inox

Aço Inoxidável

Zn

Liga de Zinco

Zn
Fe

Aço Zincado

Cu
Zn

Produto de Latão - Niquelado

Al
Ei

Liga de Alumínio - anodizado

Al

Liga de Alumínio

PA6

Poliamida 6

PA6
#

Poliamida 6 com fibras de vidro

PE
500

Polietileno

PP

Polipropileno

PP
TPE

Polipropileno + elastómero termoplástico

TPE

Elastómero termoplástico

NBR

Borracha nitrílica



Borracha antiderrapante



ESD - material antiestático

NEW

Novo produto

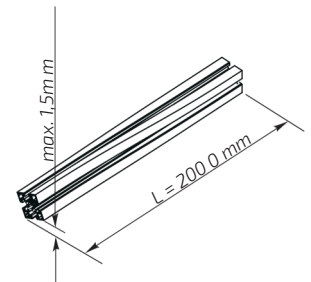
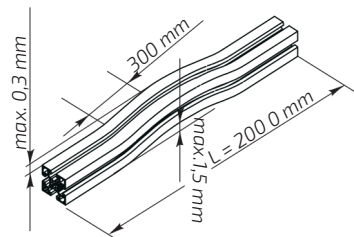
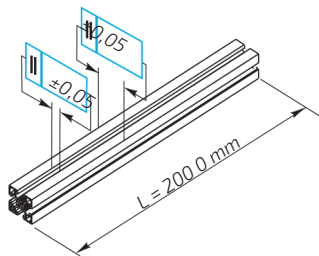
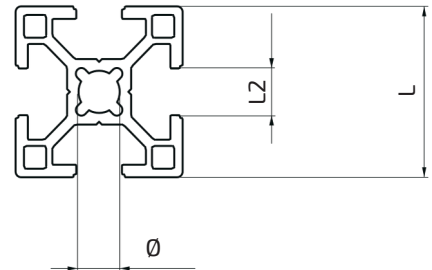
Especificações para perfis modulares

Al Mg Si EN AW—6060	Rm = 195 N/mm ²	Rp 0.2 = 145 N/mm ²
Marcação e etiqueta do material de acordo com a norma ISO	Resistência à tração	Stress de Rendimento







E = 70,000 N/mm ²	T5	15µm	UNI — EN 755
Módulo de elasticidade	Condição física	Anodização — espessura da camada	Tolerância dimensional

Nome	Código	Momento de Inércia I [cm ⁴]		Momento de Resistência W [cm ³]		Área de Superfície [mm ²]	Massa [kg/m]	Ranhura [mm]	Comprimento [mm]
		x	y	x	y				
Malhas de Perfil AL	10001	1.01	0.16	0.79	0.32	139.42	0.37	8/10	6 050
Perfil AL 18,5 x 32	10002	2.76	1.16	1.97	1.26	288.80	0.77	8	6 050
Perfil AL phi-28	14029	1.67	1.67	1.19	1.19	273	0.7	/	6 050
Perfil AL phi-28L	14028	1.33	1.33	0.95	0.95	178	0.49	/	6 050
Perfil AL 30 x 30	10003	2.76	2.76	1.84	1.84	297.33	0.80	8	6 050
Perfil AL 30 x 30 R	10004	2.48	2.48	1.43	1.43	298.48	0.80	8	6 050
Perfil AL 30 x 60	10005	19.03	5.28	6.34	3.52	542.13	1.45	8	6 050
Perfil AL 30 x 90	10006	59.48	7.58	13.22	5.23	682.94	1.83	8	6 050
Perfil AL 40 x 40	10021	7.62	7.62	3.81	3.81	461.795	1.24	10	6 050
Perfil AL 40 X 40 C1	10026	7.65	8.39	3.82	4.02	485.3	1.31	10	6 050
Perfil AL 40 X 40 C2	10027	8.45	8.45	2.88	3.032	507.33	1.37	10	6 050
Perfil AL 40 X 45	14001	8.02	9.38	4.21	4.69	425.64	1.14	8/10	6 050
Perfil AL 40 X 80	10022	55.72	15.15	13.93	7.57	829.38	2.24	10	6 050
Perfil AL 30 x 30 R	10024	1.90	5.03	0.27	0.86	104	0.28	/	6 050
Perfil AL 30 x 30 R	10025	2.08	2.87	0.14	0.25	181	0.49	/	6 050
Perfil AL 45 X 45 L	10007	11.46	11.46	5.10	5.10	604.85	1.63	10	6 050
Perfil AL 45 X 45 H	10008	15.04	15.04	6.68	6.68	792.01	2.12	10	6 050
Perfil AL 45 X 45 C1	10009	12.45	11.49	5.72	5.11	626.87	1.69	10	6 050
Perfil AL 45 X 45 C2	10028	12.52	12.52	4.09	3.98	648.89	1.75	10	6 050
Perfil AL 45 X 45 R	10010	9.14	9.14	3.53	3.53	516.84	1.38	10	6 050
Perfil AL 45 X 60	10013	36.13	21.58	12.04	9.59	1 088.02	2.91	10	6 050
Perfil AL 45 X 90 L	10011	87.15	22.27	19.37	9.90	1 059.88	2.84	10	6 050
Perfil AL 45 X 90 H	10012	121.05	31.15	26.90	13.84	1 493.25	4.00	10	6 050
Perfil AL 45 X 135	10014	376.27	45.32	55.74	20.14	2 125.83	5.69	10	6 050
Perfil AL 45 X 180	10029	59.50	848.34	26.44	94.26	2 764.64	7.49	10	6 050
Perfil AL 60 X 60	10015	40.85	40.85	17.30	17.30	1 345.17	3.64	10	6 050
Perfil AL 60 X 90	10016	202.42	90.32	44.98	30.11	2 533.36	6.78	10	6 050
Perfil AL 80 X 80	10023	116.72	116.72	29.18	29.18	1 461.00	3.96	10	6 050
Perfil AL 90 X 90 L	10017	195.39	195.39	43.42	43.42	2 091.97	5.60	10	6 050
Perfil AL 90 X 90 H	10018	288.35	288.35	64.08	64.08	3 600.61	9.64	10	6 050
Perfil AL 22,5 X 180	10019	897.06	11.83	66.34	10.81	2 210.48	5.92	8/10	6 050
Perfil AL 90 X 80	10020	1 889.54	510.18	209.95	113.37	5 770.16	15.45	10	6 050






























L – Dimensões mm		TOLERÂNCIA POR DIMENSÃO [mm]
de	até (incluindo)	
0	30	± 0.15
30	40	± 0.25
40	60	± 0.40
60	80	± 0.50
80	100	± 0.60
100	125	± 0.80
125	150	± 1.0
150	180	± 1.02
180	210	± 1.4
<hr/>		
L2	8.2	± 0.15
	10.2	± 0.2
Ø	7.4	± 0.15
	15	± 0.2



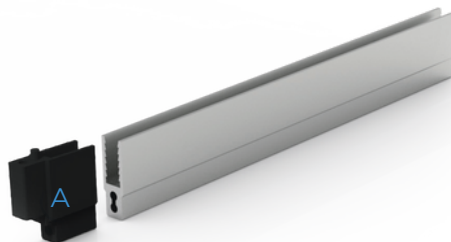
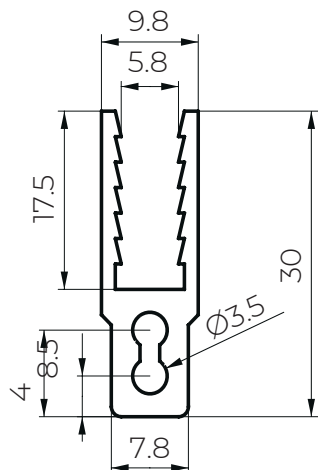
CAPACIDADE DE CARGA DA RANHURA DO PERFIL

					
	30 x 30, 30 x 30 R	4 000 N	5 000 N	6 000 N	2 200 N
	30 x 60, 30 x 90				
	40 x 40, 40 x 40 C1, 40 x 40 C2, 45 x 45 L, 45 x 45 C1, 45 x 45 C2, 45 x 45 R, 40 x 80, 45 x 90 L	7 000 N	10 000 N	12 000 N	9 000 N
	45 x 45 H, 45 x 60, 45 x 90 H, 45 x 135, 45 x 180 60 x 60, 80 x 80, 60 x 90, 90 x 90 L, 90 x 90 H 22,5 x 180, 90 x 180	12 000 N	15 000 N	17 000 N	13 000 N

ÍNDICE

Malha de Perfil AL.	21			28	Perfil AL. 45 x 45 C2
Perfil AL. 18.5 x 32	21			29	Perfil AL. 45 x 45 R
Tampa Cond. Perfil AL. 45 x 25	22			29	Perfil AL. 45 x 60
Conduta Perfil AL. 45 x 25	22			30	Perfil AL. 45 x 90 L
Perfil AL. 30 x 30	23			30	Perfil AL. 45 x 90 H
Perfil AL. 30 x 30 R	23			31	Perfil AL. 45 x 135
Perfil AL. 30 x 60	24			32	Perfil AL. 45 x 180
Perfil AL. 30 x 90	24			33	Perfil AL. 60 x 60
Perfil AL. 40 x 40	25			33	Perfil AL. 60 x 90
Perfil AL. 40 x 40 C1	25			34	Perfil AL. 80 x 80
Perfil AL. 40 x 40 C2	26			34	Perfil AL. 90 x 90 L
Perfil AL. 40 x 80	26			35	Perfil AL. 90 x 90 H
Perfil AL. 45 x 45 L	27			36	Perfil AL. 22.5 x 180
Perfil AL. 45 x 45 H	27			37	Perfil AL. 90 x 180
Perfil AL. 45 x 45 C1	28				

Malhas de Perfil Al.



Cód.

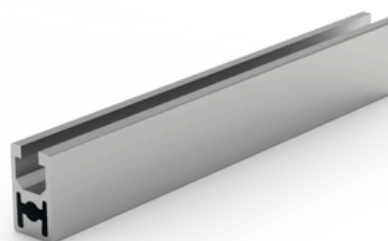
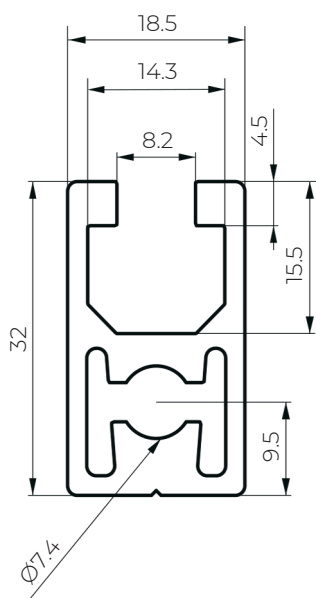
10001



Malhas Perfil Al.

	Componentes — possível compra adicional	Cód.
(A)	Peça angular da malha do perfil	11116

Perfil Al. 18.5 x 32



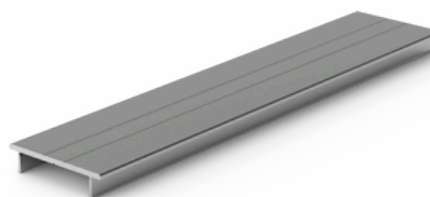
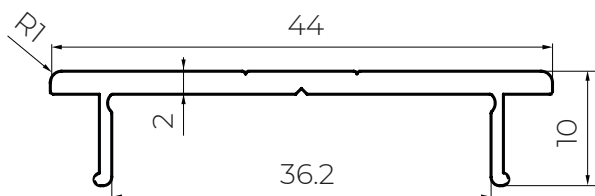
Cód.

10002



Perfil Al. 18.5 x 32

Tampa cond. Perfil Al. 45 x 25



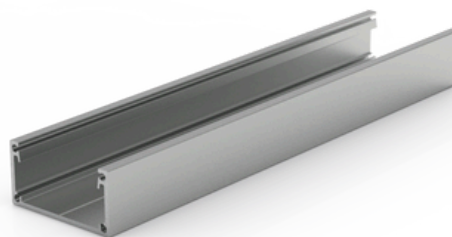
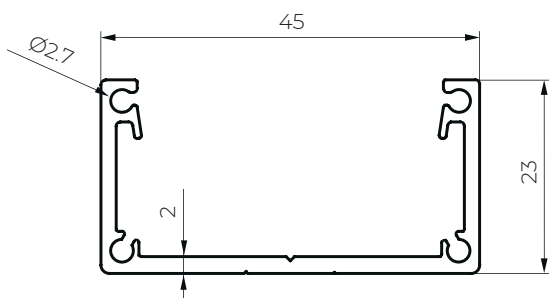
Cód.

Al
Ei

Tapa cond. Perfil Al. 45 x 25

10024

Conduta Perfil Al. 45 x 25



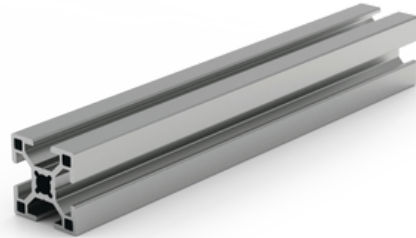
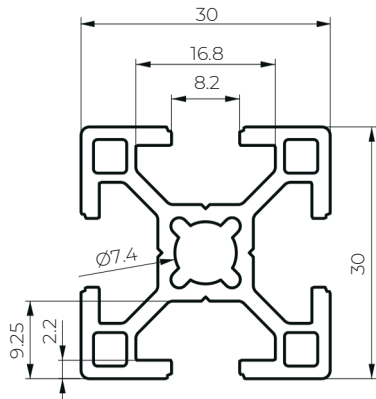
Cód.

Al
Ei

Conduta Perfil Al. 45 x 25

10025

Perfil Al. 30 x 30



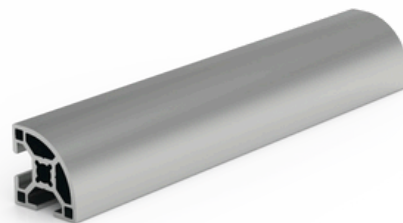
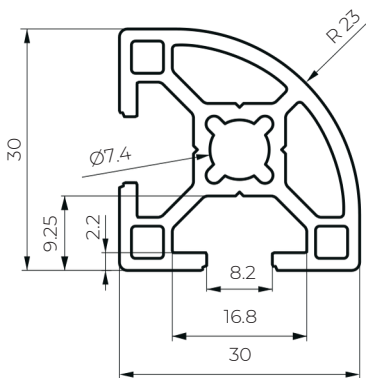
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Perfil Alumínio 30 x 30

10003

Perfil Al. 30 x 30 R



Cód.

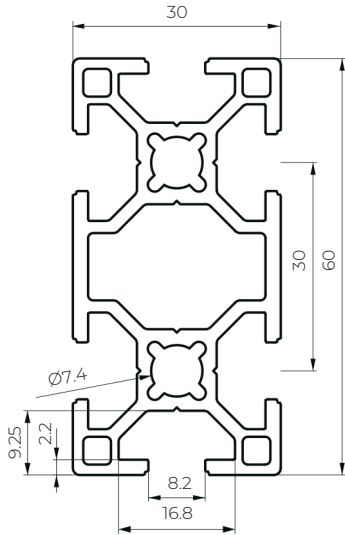


Perfil Alumínio 30 x 30 R

10004

PERFIS DE ALUMÍNIO

Perfil Al. 30 x 60



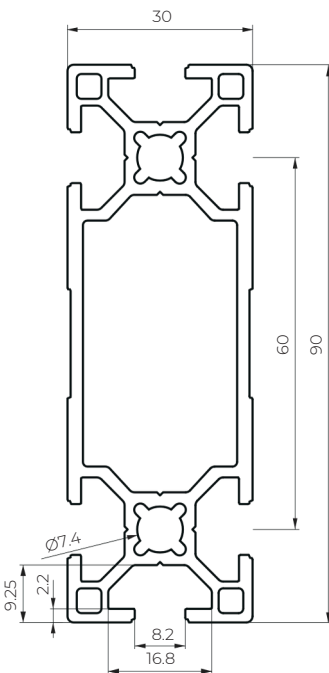
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Perfil Alumínio 30 x 60

10005

Perfil Al. 30 x 90



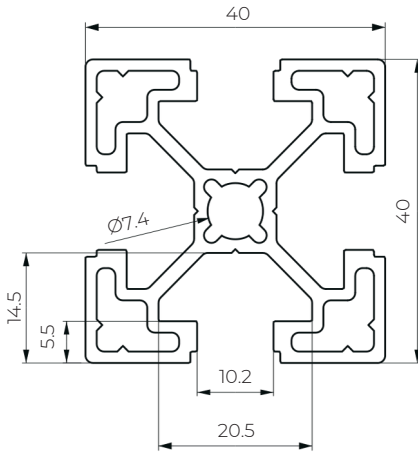
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Perfil Alumínio 30 x 90

10006

Perfil Al. 40 x 40



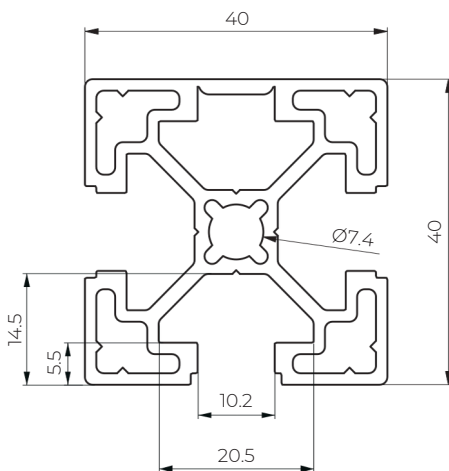
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Perfil Alumínio 40 x 40

10021

Perfil Al. 40 x 40 C1



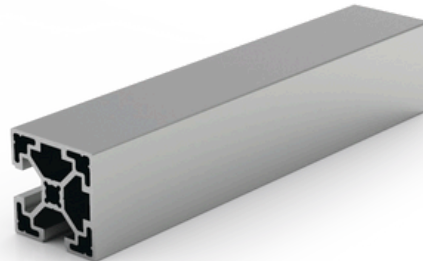
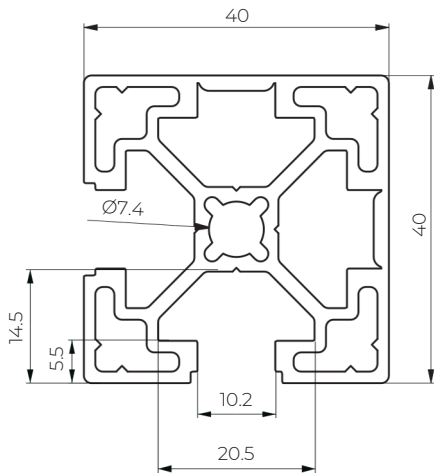
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Perfil Alumínio 40 x 40 C1

10026

Perfil Al. 40 x 40 C2



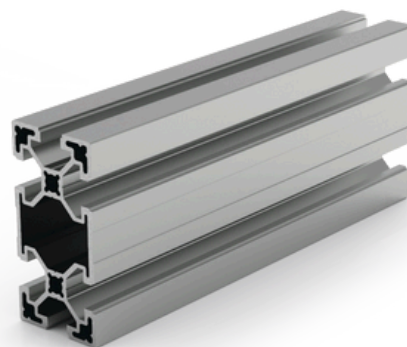
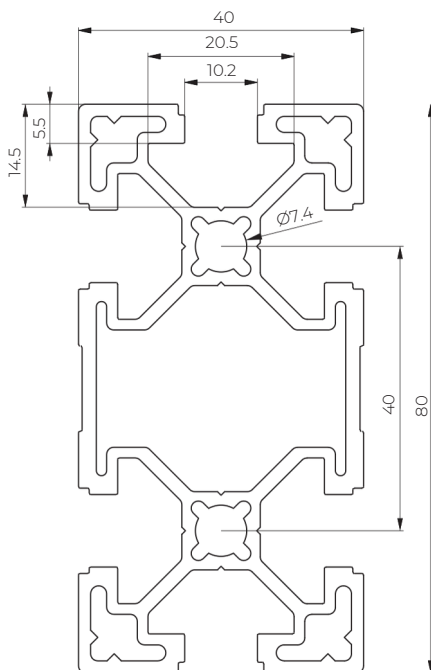
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Perfil Alumínio 40 x 40 C2

10027

Perfil Al. 40 x 80



Cód.

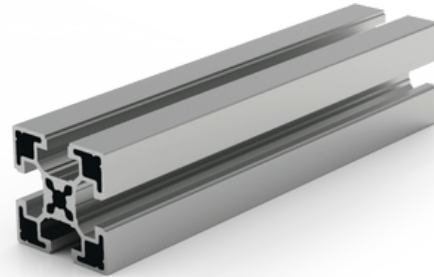
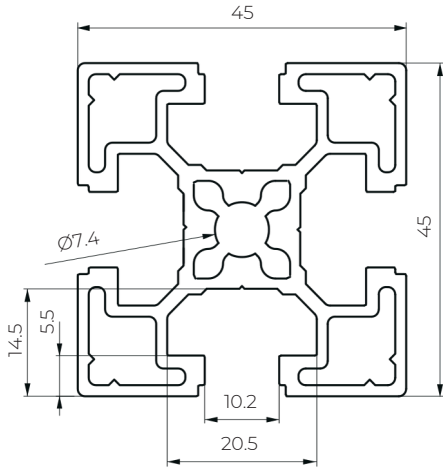


Perfil Alumínio 40 x 80

10022

PERFIS DE ALUMÍNIO

Perfil Al. 45 x 45 L



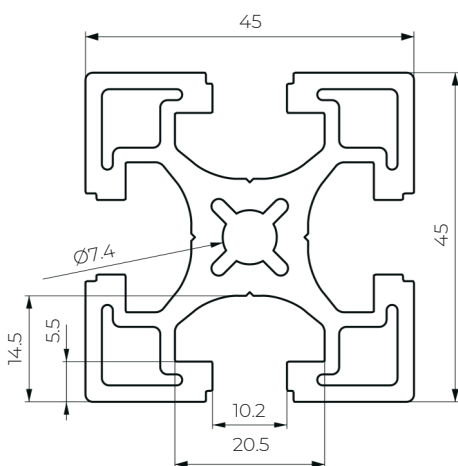
Cód.



Perfil Alumínio 45 x 45 L

10007

Perfil Al. 45 x 45 H



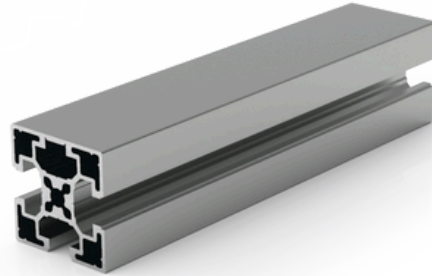
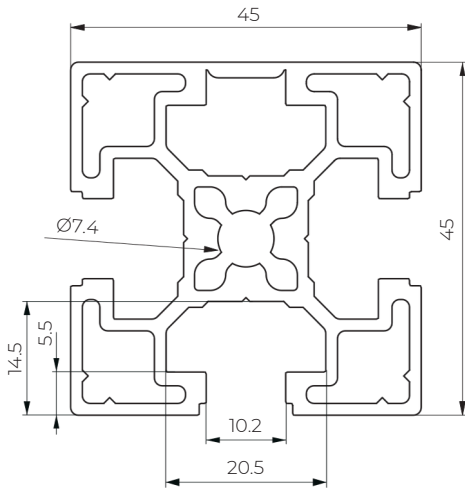
Cód.



Perfil Alumínio 45 x 45 H

10008

Perfil Al. 45 x 45 C1



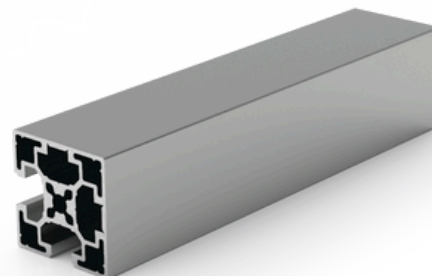
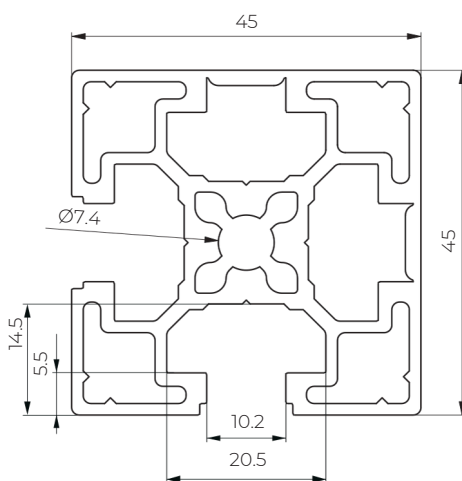
Cód.



Perfil Alumínio 45 x 45 C1

10009

Perfil Al. 45 x 45 C2



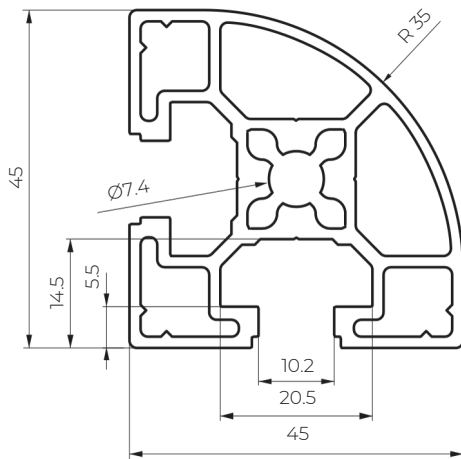
Cód.



Perfil Alumínio 45 x 45 C2

10028

Perfil Al. 45 x 45 R



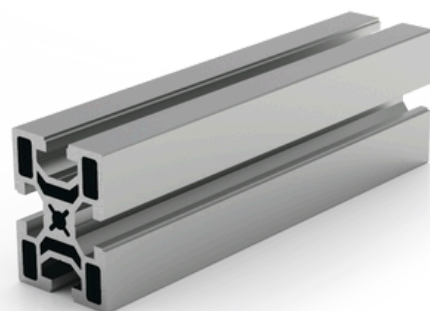
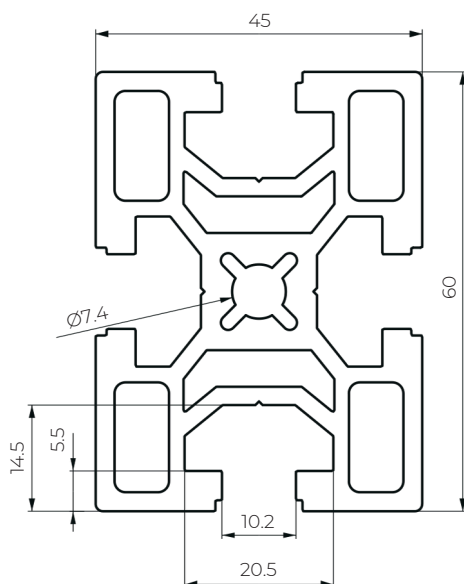
Cód.



Perfil Alumínio 45 x 45 R

10010

Perfil Al. 45 x 60



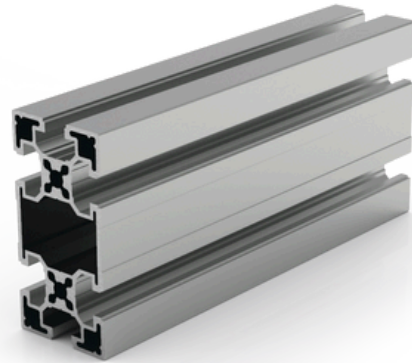
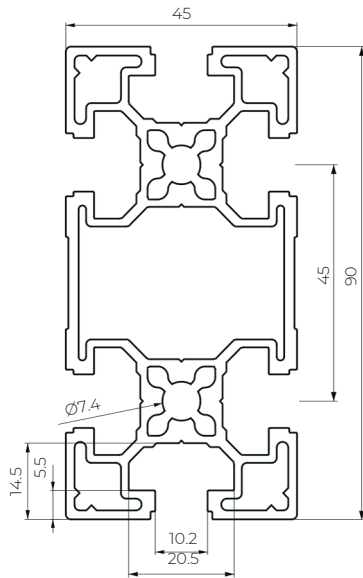
Cód.



Perfil Alumínio 45 x 60

10013

Perfil Al. 45 x 90 L



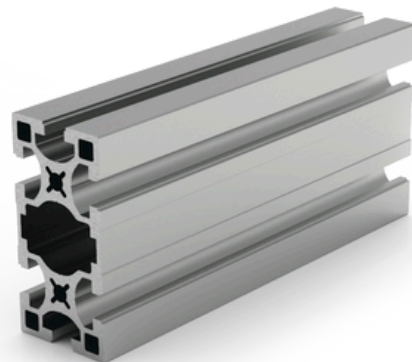
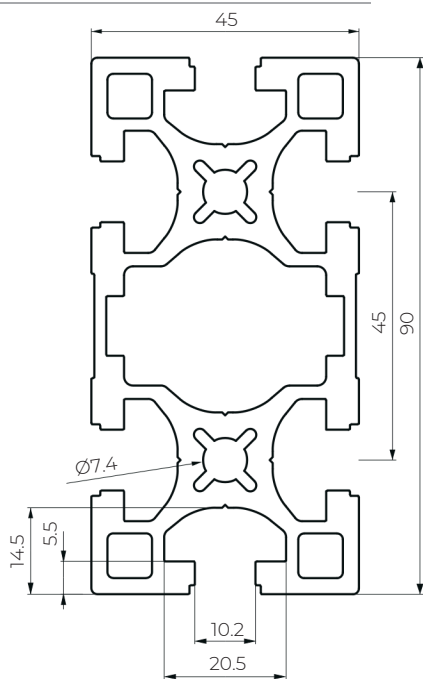
Cód.



Perfil Alumínio 45 x 90 L

10011

Perfil Al. 45 x 90 H



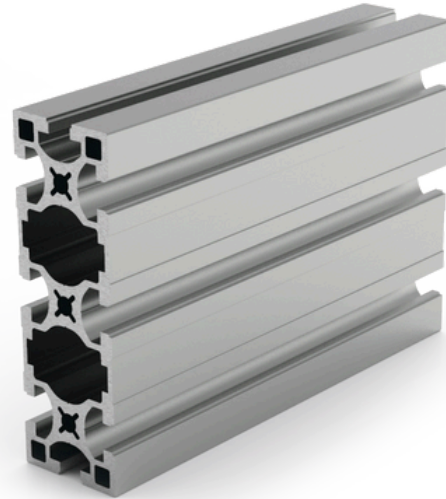
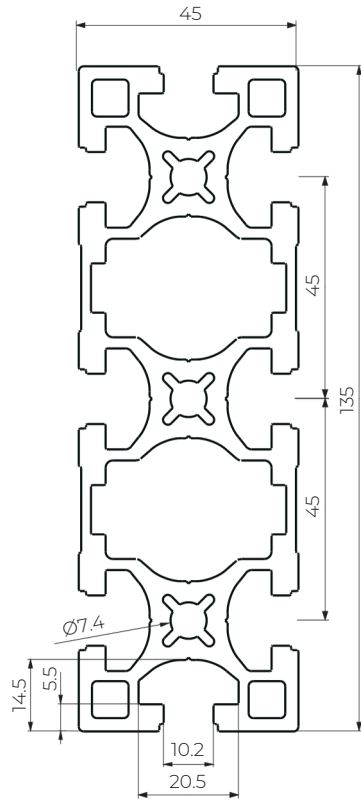
Cód.



Perfil Alumínio 45 x 90 H

10012

Perfil Al. 45 x 135



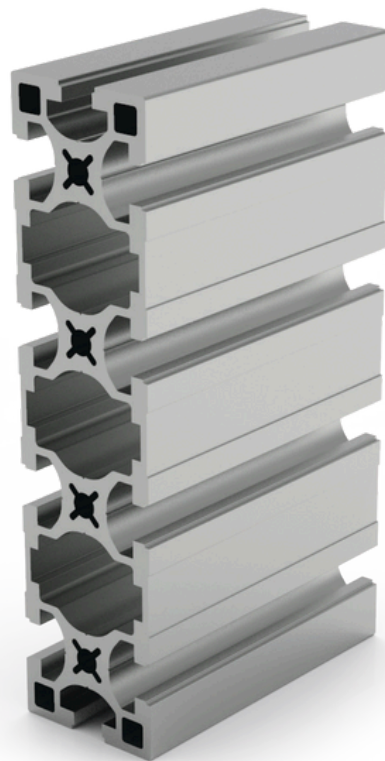
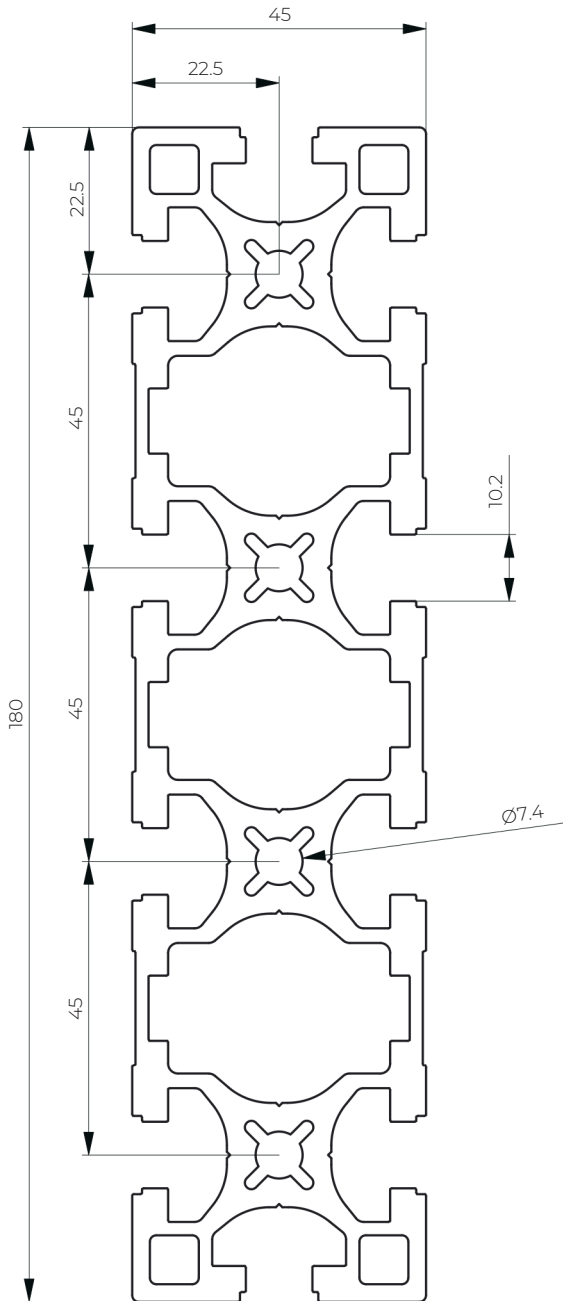
Cód.

10014



Perfil Alumínio 45 x 135

Perfil Al. 45 x 180



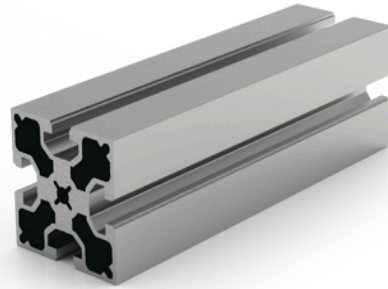
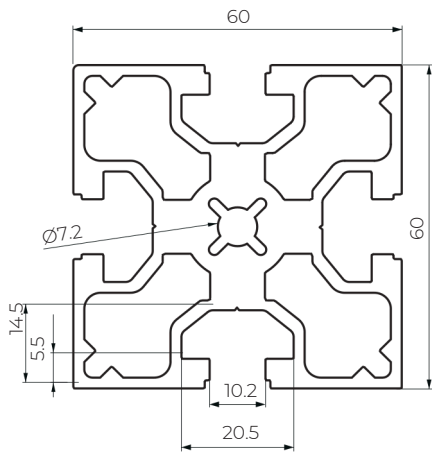
Cód.

10029



Perfil Alumínio 45 x 180

Perfil Al. 60 x 60



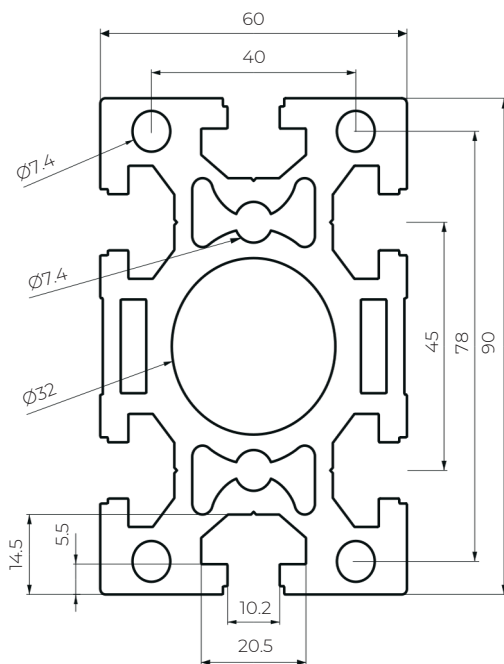
Cód.



Perfil Alumínio 60 x 60

10015

Perfil Al. 60 x 90



Cód.

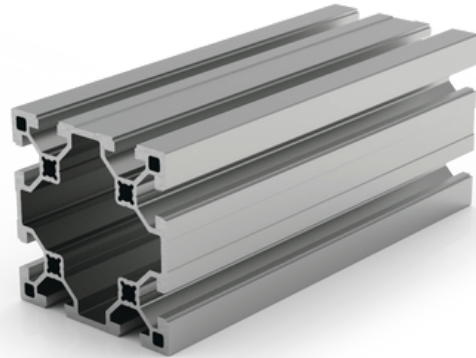
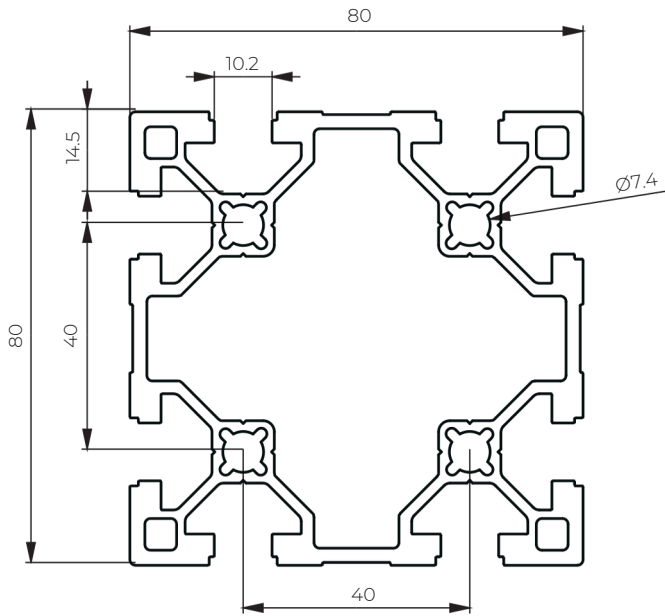


Perfil Alumínio 60 x 90

10016

PERFIS DE ALUMÍNIO

Perfil Al. 80 x 80



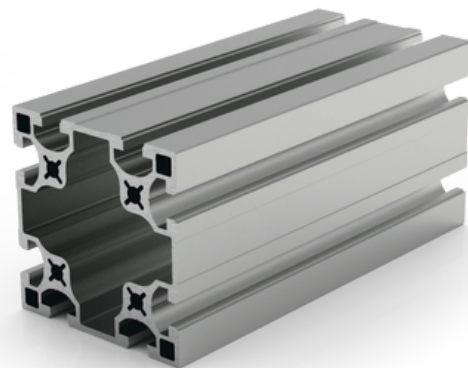
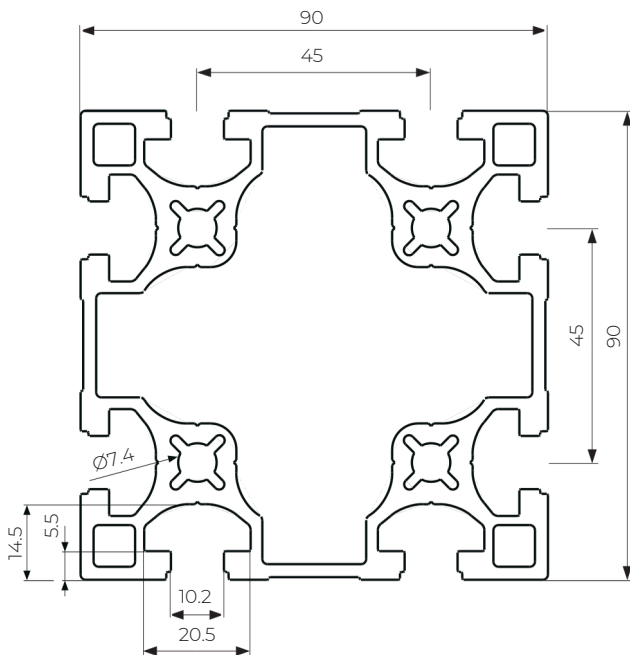
Cód.



Perfil Alumínio 80 x 80

10023

Perfil Al. 90 x 90 L



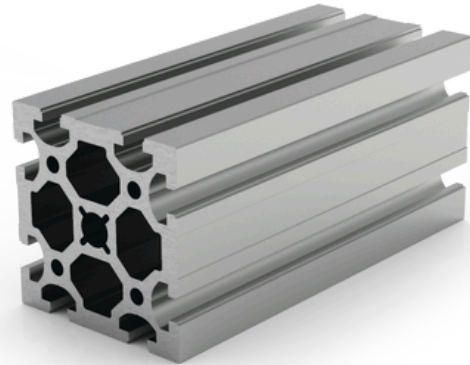
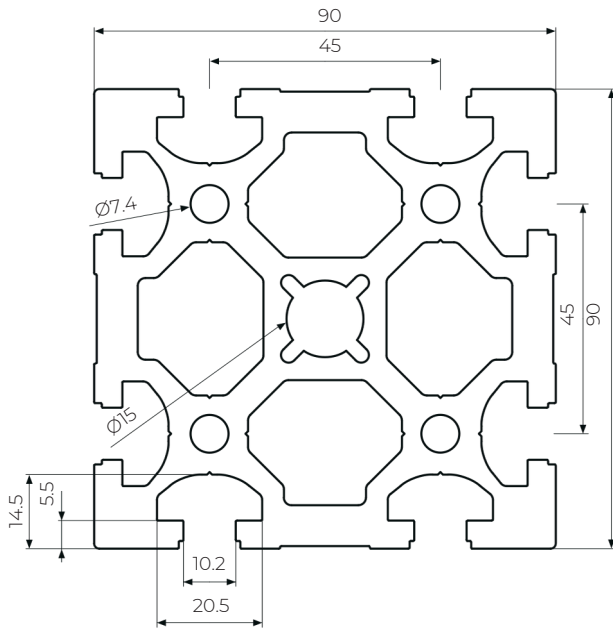
Cód.



Perfil Alumínio 90 x 90 L

10017

Perfil Al. 90 x 90 H



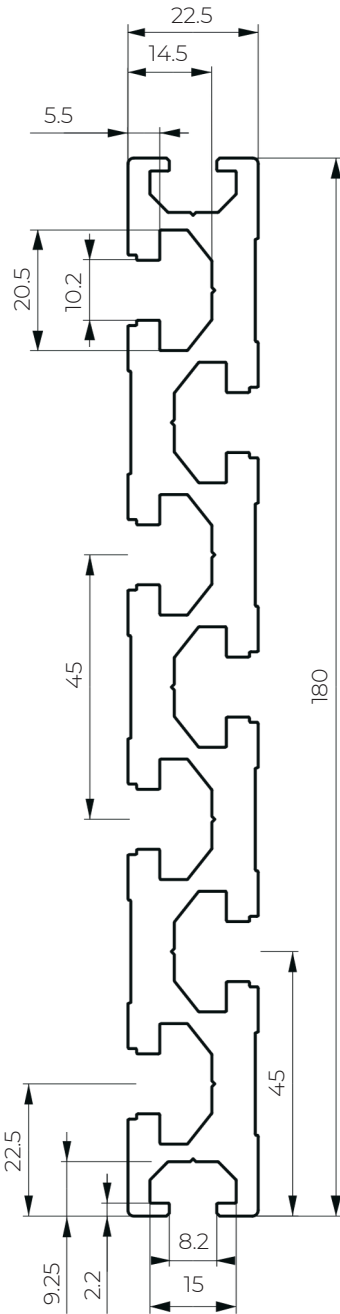
Cód.



Perfil Alumínio 90 x 90 H

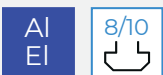
10018

Perfil Al. 22.5 x 180



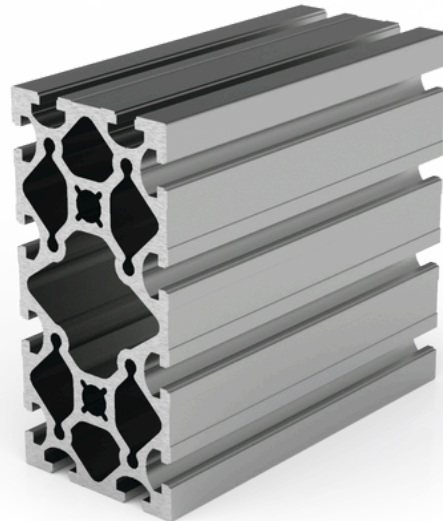
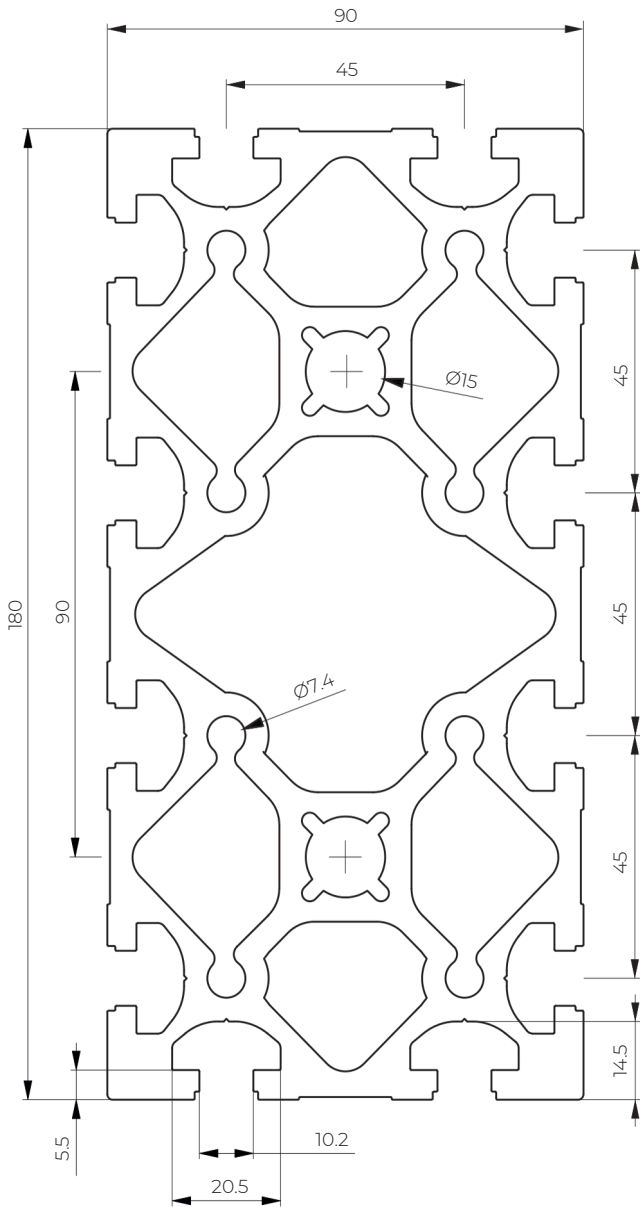
Cód.

10019



Perfil Alumínio 22.5 x 180

Perfil AL. 90 x 180



Cód.

10020



Perfil Alumínio 90 x 180