



STANDARD PROFILES

PROFILI STANDARD
PERFILES ESTÁNDARES
PROFILÉS STANDARD
STANDARD-PROFILE

ALUSIC STRUCTURAL PROFILES

PROFILI STRUTTURALI ALUSIC / PERFILES ESTRUCTURALES ALUSIC / PROFILÉS STRUCTURELS ALUSIC / KONSTRUKTIONSPROFILE ALUSIC

EN

All profiles in the Alusic catalog are made through the extrusion of aluminum alloy, 60% of which comes from recycled sources. The aluminium used is supplied as T5/T6 temper (cooled from hot working/solution heat treated and artificially aged). The bars are normally supplied with a 12 µm anodising treatment (on request, most profiles can also be supplied as mill finish). The tolerances applied when extruding the profiles follow EN 12020-2.

IT

Tutti i profili del catalogo Alusic sono realizzati per estrusione di lega di alluminio proveniente al 60% da fonti riciclate. Lo stato metallurgico di fornitura è T5/T6 (solubilizzato, temprato e invecchiato artificialmente). Le barre sono normalmente fornite anodizzate con profondità di trattamento in classe 12 µm (a richiesta la maggior parte dei profili può essere fornita grezza). Le tolleranze generali seguite per l'estrusione dei profili seguono la norma UNI-EN 12020-2.

ES

Todos los perfiles del catálogo de Alusic se fabrican mediante la extrusión de aleación de aluminio, el 60% de la cual proviene de fuentes recicladas. El estado metalúrgico en que se suministran es T5/T6 (solubilizado, templado y envejecido artificialmente). Las barras normalmente se suministran anodizadas, con una profundidad de tratamiento de 12 µm (bajo solicitud, la mayor parte de los perfiles puede suministrarse en bruto). Las tolerancias generales conseguidas mediante la extrusión de los perfiles son acordes a la norma UNI-EN 12020-2.

FR

Tous les profils du catalogue Alusic sont réalisés par extrusion d'alliage d'aluminium provenant à 60% de sources recyclées. L'état métallurgique de fourniture est l'état T5/T6 (solubilisé, trempé et vieilli artificiellement). Les barres sont fournies anodisées avec une profondeur de traitement en classe 12 µm (sur demande, la plupart des profilés peuvent être fournis bruts). Les tolérances générales appliquées à l'extrusion des profilés respectent la norme UNI-EN 12020-2.

DE

Alle Profile im Alusic-Katalog werden durch Extrusion von Aluminiumlegierungen hergestellt, wobei 60% aus recycelten Quellen stammen. Der metallurgische Lieferzustand ist T5/T6 (lösungsgeglüht, abgeschreckt aus der Warmumformungstemperatur und warmausgehärtet). Normalerweise werden die Stangen dem Eloxalverfahren unterzogen und haben eine 12 µm dicke Schutzschicht (auf Anfrage sind die meisten der Profile auch ohne Eloxierung erhältlich). Für die Strangpressung der Profile wurden die allgemeinen Toleranzen der Norm UNI EN 12020-2 eingehalten.

CHEMICAL COMPOSITION OF ALLOYS

COMPOSIZIONE DELLE LEGHE / COMPOSICIÓN QUÍMICA DE LAS ALEACIONES

COMPOSITION CHIMIQUE DES ALLIAGES / CHEMISCHE ZUSAMMENSETZUNG DER LEGIERUNGEN

EN-AW	Cu	Fe	Mn	Mg	Si	Zn	Cr	Ti	Al
6060	0.10	0.1 - 0.3	0.10	0.35 - 0.6	0.3 - 0.6	0.15	0.05	0.10	dal 98% al 99%
6063	0.10	0.35	0.10	0.45 - 0.9	0.2 - 0.6	0.10	0.10	0.10	dal 97,5% al 98,5%

MECHANICAL PROPERTIES

CARATTERISTICHE MECCANICHE / CARACTERÍSTICAS MECÁNICAS

CARACTÉRISTIQUES MÉCANIQUES / MECHANISCHE EIGENSCHAFTEN

EN-AW	Rm (N/mm ²)	Rp0,2 (N/mm ²)	A (%)	HB
6060	190	150	8	70
6063	215	170	8	75

PHYSICAL PROPERTIES

CARATTERISTICHE FISICHE / CARACTERÍSTICAS FÍSICAS

CARACTÉRISTIQUES PHYSIQUES / PHYSIKALISCHE EIGENSCHAFTEN

E [N/mm ²]	69000
ρ [Ω mm/m]	0,033
λ W/mK	210
T _m (C°)	615 - 655
α (K ⁻¹)	25X10 ⁻⁶



PROFILES SERIES 30 SLOT 6 AC

PROFILI SERIE 30 CAVA 6 AC
PERFILES SERIE 30 RANURA 6 AC
PROFILÉS SÉRIE 30 RAINURE 6 AC
PROFILE REIHE 30 NUT 6 AC

EN

Alusic series 30 profiles, featuring an 6 mm square fastening T-slot, are one of the ranges with the best strength-weight ratios.

This range can be fastened with M6 hardware using suitable accessories, or by threading at the ends of the bars. Nuts are available with M4, M5 and M6 threads; they can be inserted at any point in the slot, even following initial assembly of the structure.

IT

I profili Alusic serie 30, dotati di una cava di fissaggio da 6 mm quadra, rappresentano una delle linee con il migliore rapporto peso/resistenza meccanica.

La serie permette il fissaggio con viti M6 tramite gli opportuni accessori di fissaggio o tramite filettatura alle estremità delle barre. Per quanto riguarda i dadi quadri sono disponibili con filetti M4, M5 e M6; possono essere inseriti in qualunque punto della cava anche successivamente al primo montaggio della struttura.

ES

Los perfiles Alusic serie 30, dotados de una ranura de fijación de 6 mm cuadrada, conforman una de las líneas con la mejor relación peso-resistencia mecánica.

La serie permite la fijación con tornillos M6 mediante los correspondientes accesorios de fijación o mediante roscado en los extremos de las barras. En lo que respecta a las tuercas, están disponibles con roscas M4, M5 y M6; pueden insertarse en cualquier punto de la ranura, incluso con posterioridad al primer montaje de la estructura.

FR

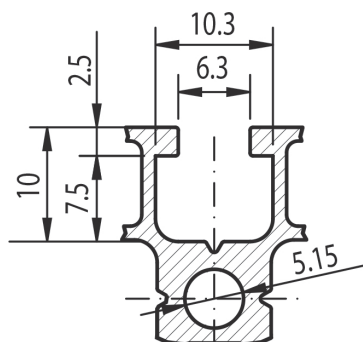
Les profilés Alusic série 30, dotés d'une rainure de fixation carrée de 6 mm, représentent l'une des lignes offrant le meilleur rapport poids/résistance mécanique.

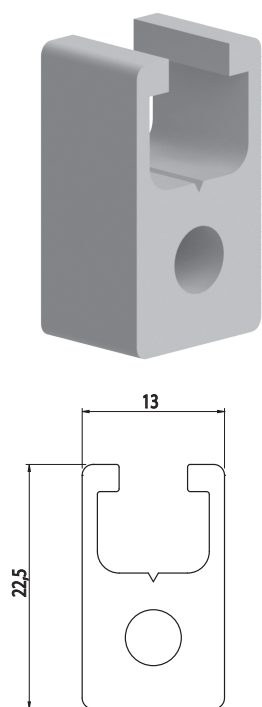
La série permet la fixation à l'aide de vis M6, au moyen des accessoires de fixation appropriés ou par filetage M8 à l'extrémité des barres. Concernant les écrous, ils sont disponibles avec filetages M4, M5 et M6 ; ils peuvent être introduits à hauteur de tout point de la rainure, y compris après le premier montage de la structure.

DE

Die Alusic-Profil der Reihe 30 mit viereckiger Befestigungsnut zu 6 mm stellen eine der Produktlinien mit dem besten Verhältnis zwischen Gewicht und mechanischer Festigkeit dar.

Die Reihe ermöglicht die Befestigung mit Schrauben M6 durch das geeignete Befestigungszubehör oder durch Gewinde M8 an den Stangenenden. Die Muttern sind mit Gewinden M4, M5 und M6 erhältlich; sie können an jeder Stelle der Nut auch nach der Erstmontage der Struktur eingesetzt werden.



13x22,5

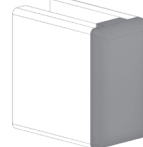
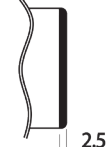
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.001	0,69	0,35	0,50	0,53	180	0,49

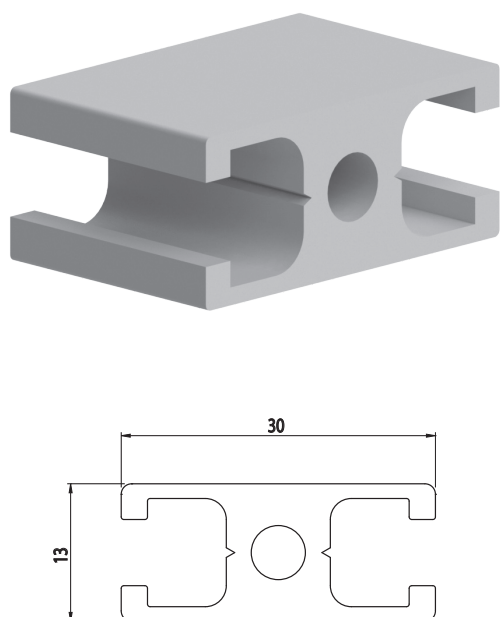
Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
084.201.001	PA	1	■
084.201.001G	PA	1	■

13x30

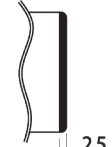
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.002	1,08	0,42	0,72	0,63	186	0,50

Anodised aluminium

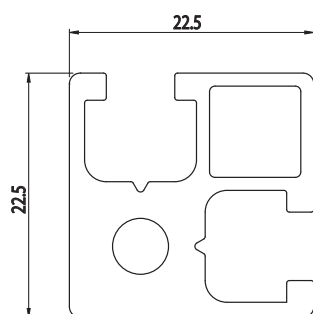
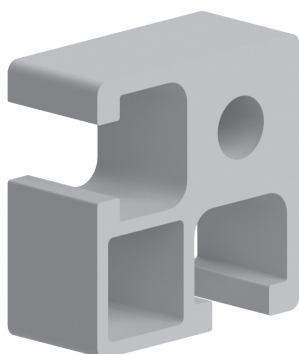
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
084.201.002	PA	1	■
084.201.002G	PA	1	■

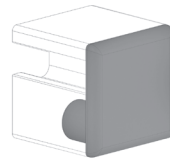
22,5x22,5



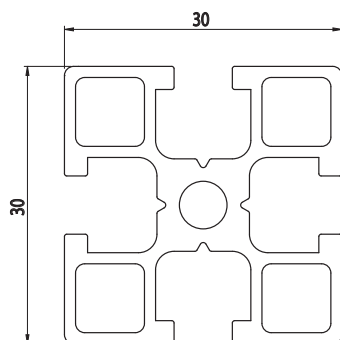
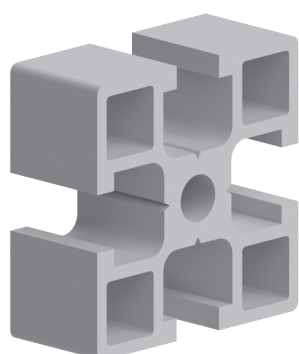
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.007	1,06	1,06	0,81	0,81	229	0,62

Anodised aluminium
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour
Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
084.201.005	PA	2	■
084.201.005G	PA	2	■

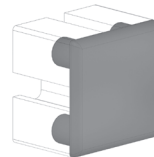
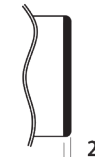
30x30

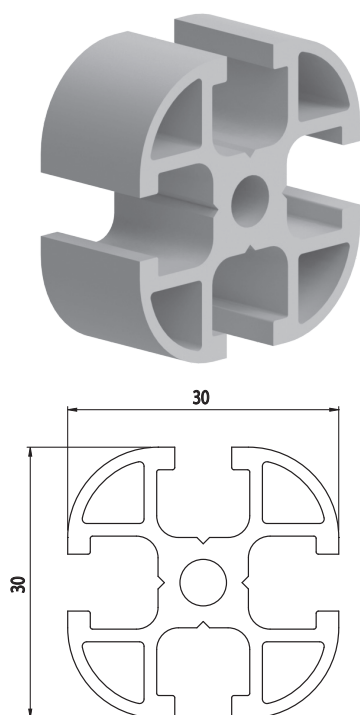


Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.003	2,39	2,39	1,59	1,59	288	0,78

Anodised aluminium
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour
Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
084.201.007	PA	3	■
084.201.007G	PA	3	■

30x30

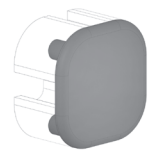
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
800.029.003	2,10	2,10	1,40	1,40	292,30	0,79

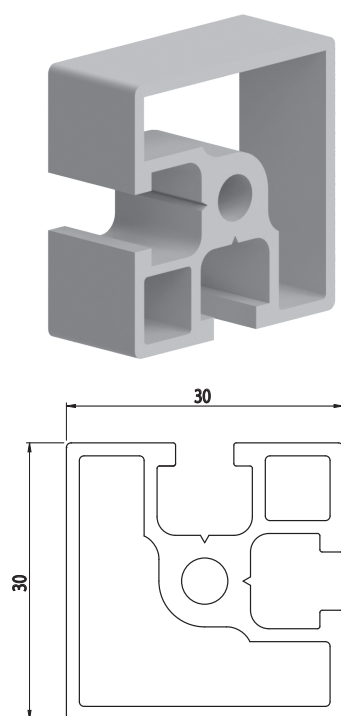
Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium

L=6040 mm**Natural colour**

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
800.029.118	PA	2,5	■
800.029.118G	PA	2,5	■

30x30

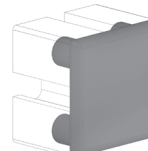
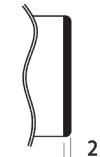
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.004	2,33	2,33	1,52	1,52	263	0,71

Anodised aluminium

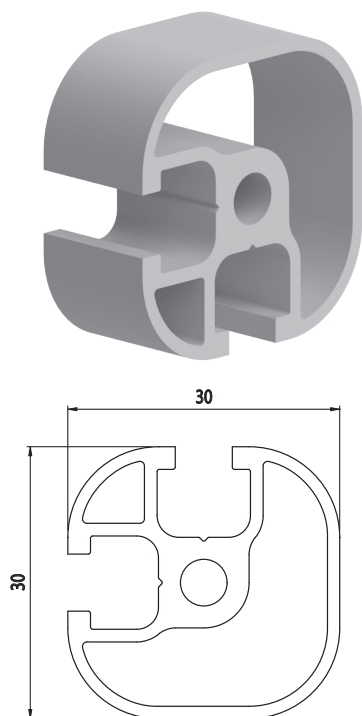
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium

L=6040 mm**Natural colour**

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
084.201.007	PA	3	■
084.201.007G	PA	3	■

30x30



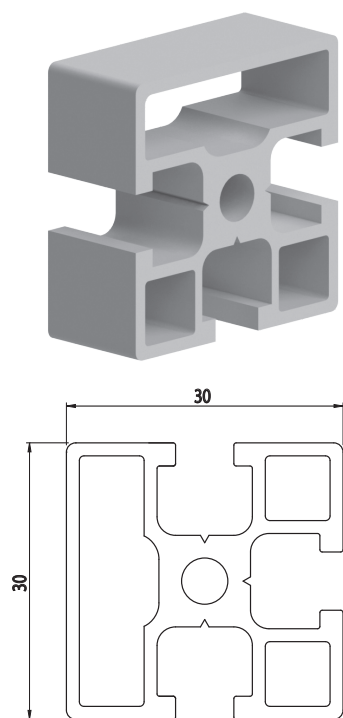
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
800.029.013	1,90	1,90	1,30	1,30	249,30	0,67

Anodised aluminium
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour
Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
Cod	Mat	g	Col
800.029.118	PA	2,5	■
800.029.118G	PA	2,5	■

30x30

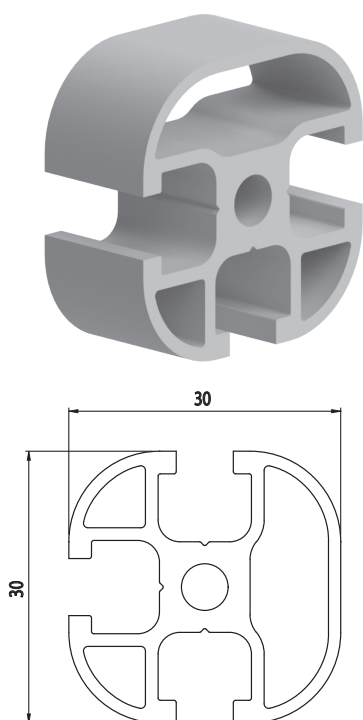


Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.005	2,38	2,36	1,58	1,57	281	0,75

Anodised aluminium
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour
Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
Cod	Mat	g	Col
084.201.007	PA	3	■
084.201.007G	PA	3	■

30x30

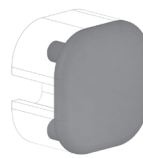
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
800.029.014	1,97	2,02	1,30	1,35	274,90	0,74

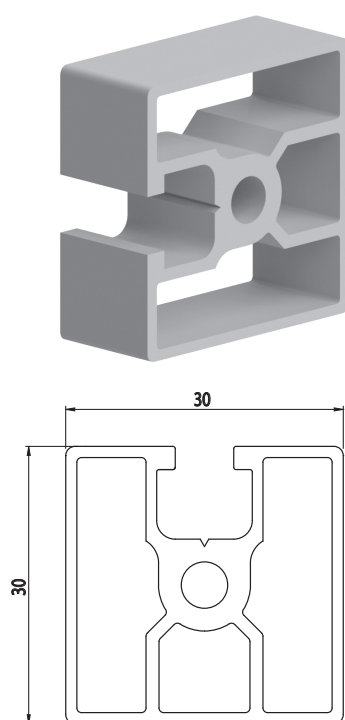
Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium

L=6040 mm**Natural colour**

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
800.029.118	PA	2,5	■
800.029.118G	PA	2,5	■

30x30

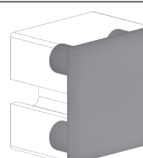
Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.010	2,65	2,64	1,73	1,77	258	0,78

Anodised aluminium

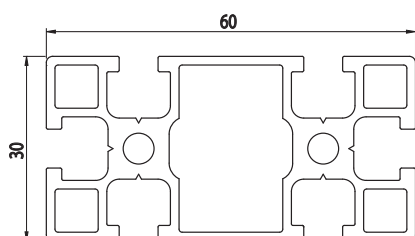
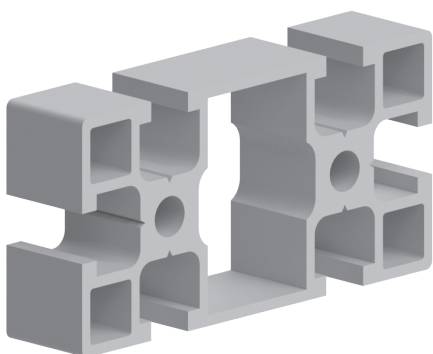
Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium

L=6040 mm**Natural colour**

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe			
			
Cod	Mat	g	Col
084.201.007	PA	3	■
084.201.007G	PA	3	■

30x60



Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.006	19,08	4,65	6,40	3,10	527	1,43

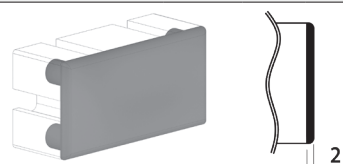
Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

Natural colour

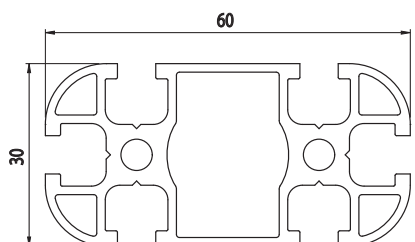
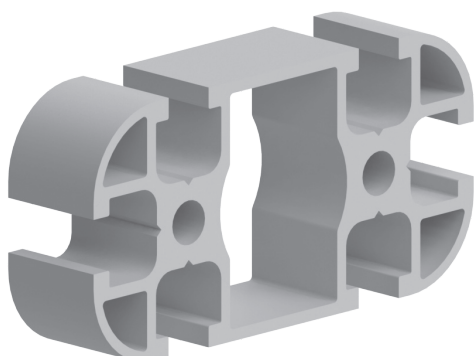
Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe



Cod	Mat	g	Col
084.201.008	PA	5	■
084.201.008G	PA	5	■

30x60



Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
800.029.004	4,17	17,30	2,78	5,77	507,50	1,37

Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium
L=6040 mm

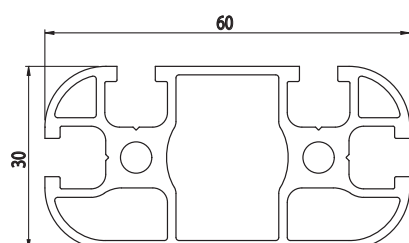
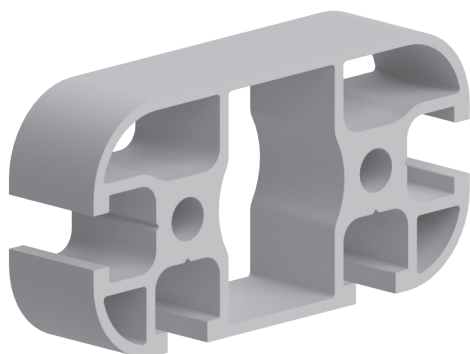
Natural colour

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe



Cod	Mat	g	Col
800.029.119	PA	5	■
800.029.119G	PA	5	■

30x60

Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
800.029.015	4,12	16,53	2,75	5,51	494,25	1,33

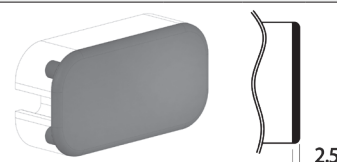
Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium

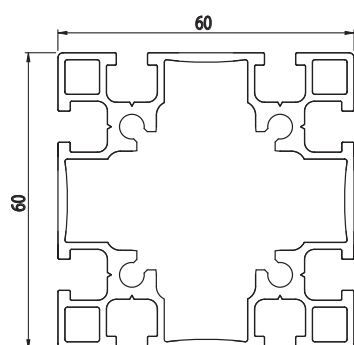
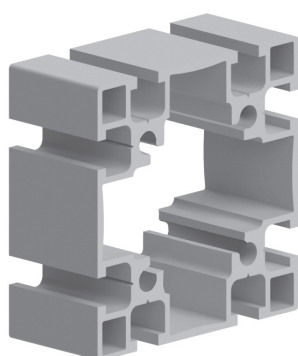
L=6040 mm**Natural colour**

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe



Cod	Mat	g	Col
800.029.119	PA	5	■
800.029.119G	PA	5	■

60x60

Cod	lx cm ⁴	ly cm ⁴	wx cm ³	wy cm ³	mm ²	Kg/m
084.100.011	32,81	32,81	10,94	10,94	808	2,18

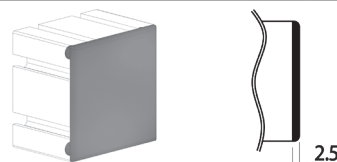
Anodised aluminium

Alluminio anodizzato
Aluminio anodizado
Aluminium anodisé
Eloxiertes Aluminium

L=6040 mm**Natural colour**

Colore naturale
Color natural
Couleur naturelle
Natürliche Farbe

Tappo - Cap - Tapòn - Embout - Abdeckkappe



Cod	Mat	g	Col
084.201.030	PA	10	■
084.201.030G	PA	10	■

ASSEMBLY SYSTEMS

SISTEMI DI MONTAGGIO
SISTEMAS DE MONTAJE
SISTÈMES DE MONTAGE
MONTAGESYSTEME

