PROFILIUM

exclusive Australian suppliers of

Alusic®

T-Slot Aluminium Profile and Accessories

aluminiumprofile.com.au

PROFILIUM

AVAILABLE IN A RANGE OF PROFILES INCLUDING:

30 SERIES: 30X13 30X30 30X60 60X60

32 SERIES: 18X32 32X32

40 SERIES: 40X40 40X80 80X80 80X120

45 SERIES: 18X45 45X45 45X90 45X180 90X90 90X180

50 SERIES: 50X50 50X100

ALL WITH ROUNDED OR SQUARE CORNERS,

MULTIPLE SLOT VARIATIONS,

OR WITH PANEL/MESH SLOTS

Alusic®

www.aluminiumprofile.com.au

Over 80 Profile types available

PROFILO 40 x 40 - *PROFILE 40 x 40*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.102.001	7,95	7,95	3,98	3,98	505	1,37

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 40 x 80 - *PROFILE 40 x 80*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.102.002	15,06	55,83	7,53	13,95	843	2,28

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 80 x 80 - *PROFILE 80 x 80*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.102.003	102,83	102,83	25,7	25,7	1.299	3,51

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

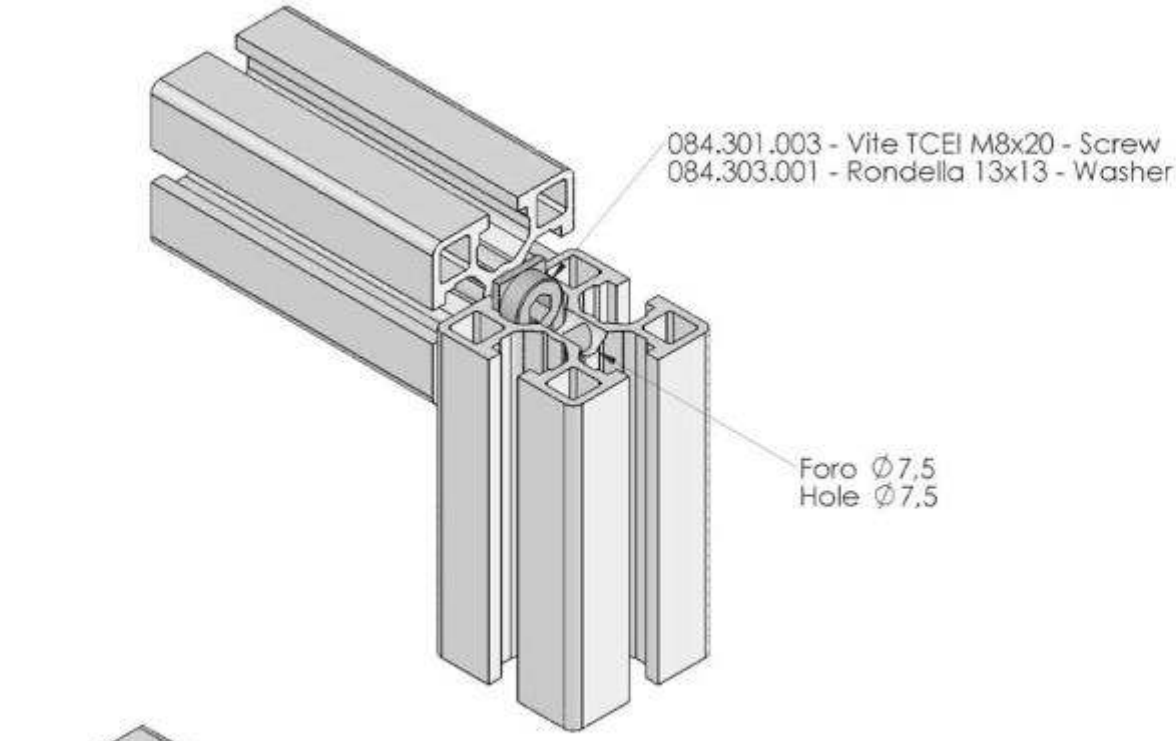
PROFILO 30 PER RETE FILO Ø 3,8 - *PROFILE 30 FOR NET-WIRE Ø 3,8*

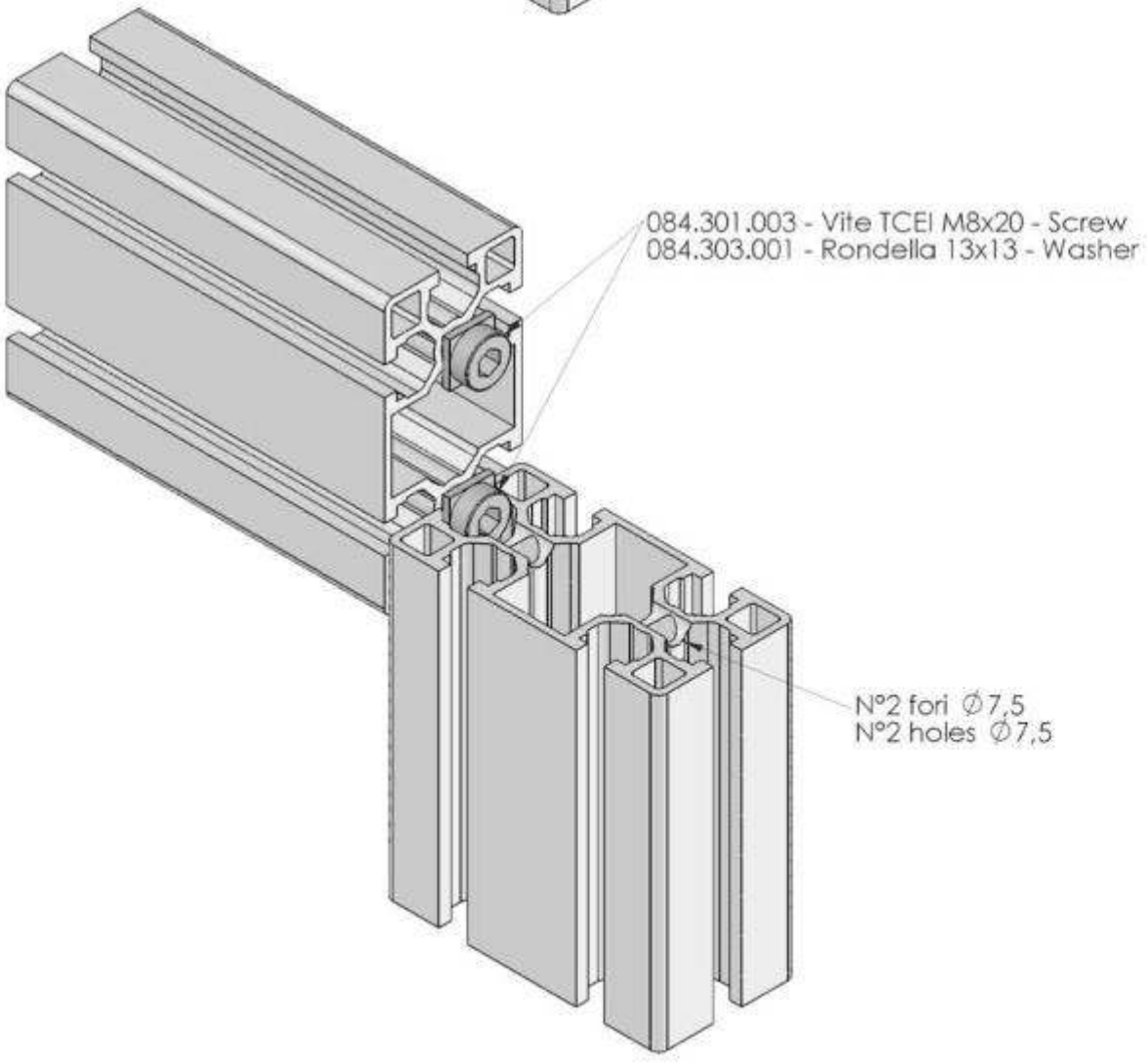
CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.104.001	2,77	3,79	1,84	2,33	398,72	1,08

Colore naturale - *Colour natural*

Lunghezza barra 5,5 m - *Bar lenght 5,5 m*

FOR THE FULL RANGE OF ALUMINIUM PROFILES
ASK US FOR A FULL CATALOGUE


084.301.003 - Vite TCEI M8x20 - Screw
084.303.001 - Rondella 13x13 - Washer
Foro Ø7,5
Hole Ø7,5


084.301.003 - Vite TCEI M8x20 - Screw
084.303.001 - Rondella 13x13 - Washer
N°2 fori Ø7,5
N°2 holes Ø7,5

PROFILO 18,5 x 180 - *PROFILE 18,5 x 180*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.007	6,65	401,00	7,18	44,50	1.704	4,65

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 32 x 32 - *PROFILE 32 x 32*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.009	4,40	4,40	2,38	2,38	461	1,25

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 32 x 32 TONDO - *ROUND PROFILE 32 x 32*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.010	4,10	4,10	2,41	2,41	430	1,16

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

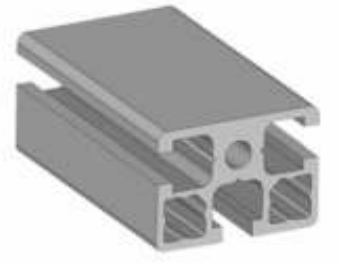
PROFILO 32 x 32 4 CAVE - *4 CHANNELS PROFILE 32 x 32*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.030	3,23	3,23	2,02	2,02	339	0,87

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 32 x 45 - *PROFILE 32 x 45*

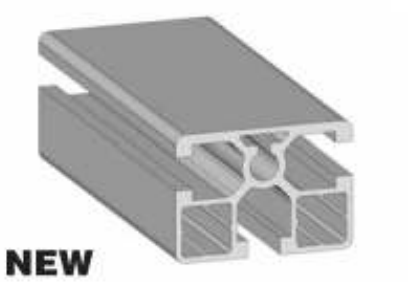


CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.011	5,80	8,70	3,55	4,28	533	1,44

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 32 x 45 SERIE LEGGERA - *LIGHT SERIE PROFILE 32 x 45*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.044	5,16	8,34	3,23	3,60	441	1,20

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 - *PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.012	13,25	13,25	5,88	5,88	721	1,95

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 ANGOLARE - *ANGULAR PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.013	8,20	8,20	4,28	4,28	558	1,51

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

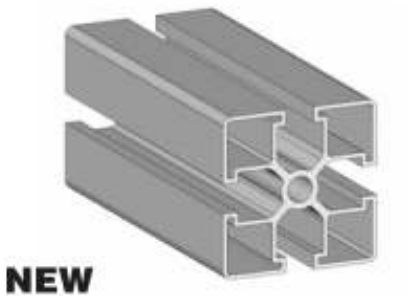
PROFILO 45 x 45 SERIE LEGGERA - *LIGHT SERIE PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.014	11,04	11,04	4,90	4,90	567	1,53

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 SLIM - *SLIM PROFILE 45 x 45*

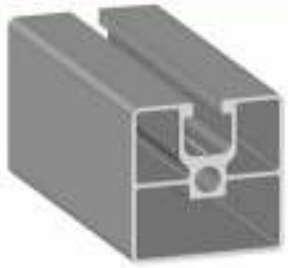


CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.042	8,09	8,09	3,59	3,59	430	1,25

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 1 CAVA - *1 CHANNEL PROFILE 45 x 45*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.015	9,24	9,75	3,80	4,33	482	1,30

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 SEMICHIUSO - *HALF CLOSED PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.016	9,78	9,80	4,04	4,04	500	1,36

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 3 CAVE - *3 CHANNELS PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.036	11,32	11,94	5,03	5,30	616	1,66

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 TONDO 2 CAVE - *2 CHANNELS ROUND PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.017	9,19	9,19	3,63	3,63	517	1,40

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 CHIUSO - *CLOSED PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.031	12,30	11,00	5,46	4,88	509	1,37

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 TONDO 1 CAVA - *1 CHANNEL ROUND PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.037	7,25	7,94	2,78	3,53	453	1,22

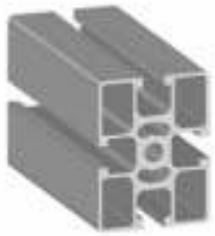
Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 45 2 CAVE - *2 CHANNELS PROFILE 45 x 45*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.038	10,68	10,71	4,75	4,76	565	1,52

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 60 - *PROFILE 45 x 60*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.018	16,50	27,24	7,13	9,08	885	2,39

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 60 SERIE LEGGERA - *LIGHT SERIE PROFILE 45 x 60*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.041	25,43	14,99	8,48	6,66	750	2,04

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

NOT STOCKED LOCALLY. AVAILABLE ON ORDER

PROFILO 45 x 90 - *PROFILE 45 x 90*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.019	90,00	23,00	21,96	11,22	1.112	3,00

Colore naturale - *Colour natural* Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 90 SEMICHIUSO - *HALF CLOSED PROFILE 45 x 90*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.020	98,82	25,25	21,96	11,22	1.115	2,59

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

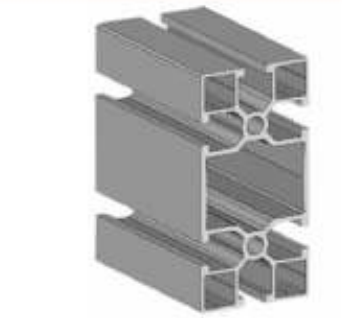
PROFILO 45 x 90 SERIE LEGGERA - *LIGHT SERIE PROFILE 45 x 90*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.021	80,45	22,92	17,88	10,18	1.038	2,81

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 90 SLIM - *SLIM PROFILE 45 x 90*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.029	74,14	21,39	16,47	9,50	922	2,49

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

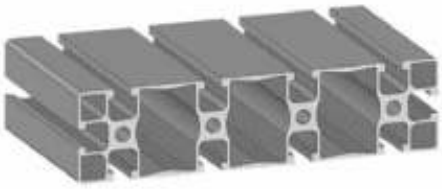
PROFILO 45 x 90 CHIUSO - *CLOSED PROFILE 45 x 90*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.032	75,85	21,81	16,85	9,69	858	2,32

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 180 - *PROFILE 45 x 180*

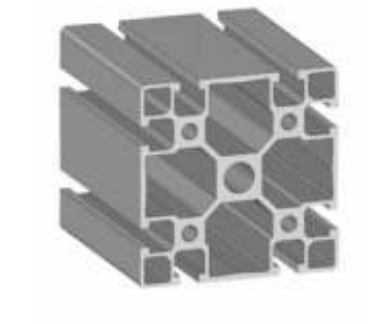


CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm⁴	Iy cm⁴	wx cm³	wy cm³	mm²	kg/m
084.101.022	48,33	689,89	21,48	76,65	2.206	5,96

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 90 x 90 - *PROFILE 90 x 90*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.023	170,58	170,58	37,90	37,90	2.081	5,62

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

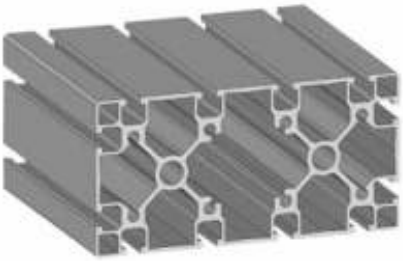
PROFILO 90 x 90 SERIE LEGGERA - *LIGHT SERIE PROFILE 90 x 90*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.024	162,00	162,00	36,05	36,05	1.815	4,96

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 90 x 180 - *PROFILE 90 x 180*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.026	315,64	1.194,00	70,14	132,57	3.677	9,93

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

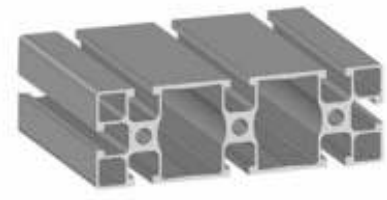
PROFILO 45 x 120 - *PROFILE 45 x 120*

CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.027	32,64	221,97	49,43	14,50	1.451	4,16

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

PROFILO 45 x 135 - *PROFILE 45 x 135*



CODICE *CODE*	MOMENTO D'INERZIA *MOMENT OF INERTIA*		MODULO DI RESISTENZA *SECTION MODULUS*		SEZIONE *SECTION*	PESO *WEIGHT*
	Ix cm^4	Iy cm^4	wx cm^3	wy cm^3	mm^2	kg/m
084.101.028	36,97	304,13	16,43	45,06	1.671	4,51

Colore naturale - *Colour natural*

Lunghezza barra 6,040 m - *Bar lenght 6,040 m*

Faster, more cost effective assembly

STANDARD BOLT CONNECTION

A simple, yet strong joint can be achieved by using both an Allen head screw and square washer screwed into the core hole of the profile (see image on left). A small pilot hole is drilled opposite where the joining profile is to be located so that the screw can be tightened. This is the standard joint for the Alusic range and is a very cost effective outcome.

⇒ **The cost per Alusic connection as shown is $0.48** using an M8x20 bolt (084 301 003) and 13x13 square washer (084 303 001).

⇒ Achieves an extremely simple, yet strong connection in under 1 minute.

A leading competitor's equivalent connection costs $4.84 each and takes 3 times longer to achieve

In some applications you may also add our anti twist device that replaces the square washer in the standard connection. The twin tabs on the anti twist device go into the slots of the connecting profile and stop any twisting in the joint – a simple and effective solution.

CONNECTION SYSTEM

Typically the standard Alusic connector represents a significant time saving over the competitor's connection system. This time saving when multiplied over a large project, or on multiple assemblies can have substantial cost saving and production benefits.

Using the Alusic Connection System:

⇒ First the drilling guide is attached to the selected profile;

⇒ Then a pilot hole is drilled according to the pre-determined holes on the drilling guide;

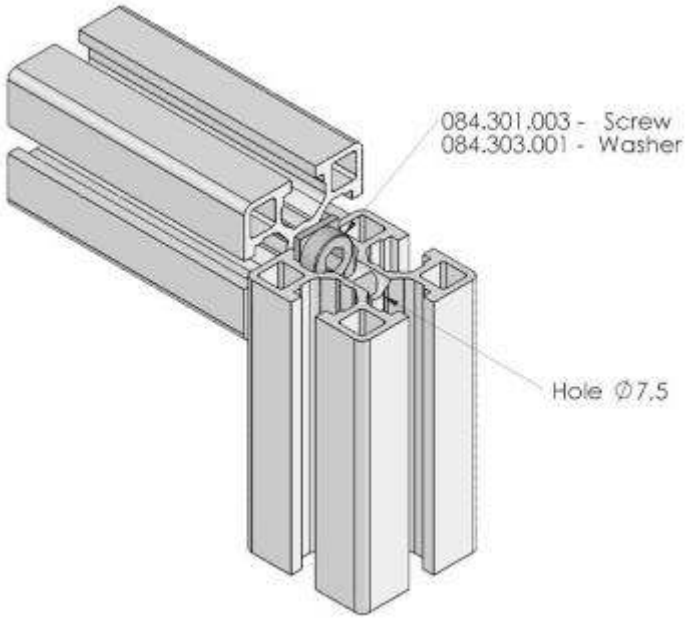
⇒ Next, the adjoining profile is tapped to M8;

⇒ Finally, the Alusic connector is then screwed into the tapped hole and slid into the adjoining profile and a 5mm Allen key is inserted through the pilot hole and tightened;

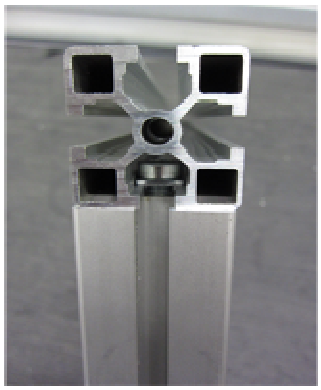
Tip — A ball head Allen key makes the job even easier!

⇒ For extra strength in the joint, we recommend a drop of LocTite on the screw thread prior to joining.

CONNECTION IN UNDER 1 MINUTE!!!



300% to 500% FASTER

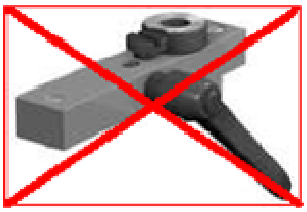


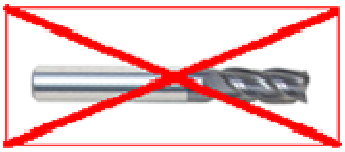
Benefits of the Alusic Connector System

SAVE TIME & MONEY

The total time taken to complete a standard Competitor's connection is 2-3 minutes depending on available tooling; with the cost of the competitor's connection being up to 300% greater in labour costs alone, let alone the higher material cost of the connectors.

With a competitors connection. the distance from the profile end, to the centre of the cross bush is critical to ensure the connector works effectively; if this is not achieved accurately this length of profile is left unusable whereas with the Alusic connection system the pilot hole is simply re-drilled and the adjoining profile tapped accordingly.





NO MILLING OR SPECIAL TOOLING

The distance of the pilot hole with Alusic profile is pre-determined by the drilling jig with several millimetres of adjustment from side to side.

With the Alusic connecting system there is also the option of self tapping the screw into the adjoining profile as opposed to pre-tapping to ensure the connector has the best possible fit and to eliminate any possibility of vibration affecting the joint.

The potential for a loose join can also be eliminated with the use of thread locking products like LocTite although this is not essential as the connection is extremely effective without this process.

COST BENEFIT

To demonstrate some of the labour cost savings that can be achieved using the Alusic system we have performed a cost comparison exercise.

On the structure shown below, we conducted a time and motion study and have estimated the labour saving that could be achieved using the Alusic aluminium system when compared to a comparable, high quality European competitor's profile.

There are 350 individual connection points on this frame with a saving of between 300% to 500% in labour costs using standard Alusic connectors.

In other words, if using a competitor's connector that takes up to 3 minutes per connection point, you would require 1,050 minutes or 17.5 hours just to complete the connections on this structure and it would cost $1,694.00* just for the connectors.

Using the Alusic connector it takes less than 1 minute per connection and you would complete the connections in 5.8 hours and with a cost of only $168.00* for the connectors! That is 3 times faster than the competitor and an enormous cost saving in labour alone. That is a saving of 11.7 labour hours per structure and $1,526.00* in material costs!

**Prices correct at July 2015*

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PROFILIUM

STRUCTURAL AND INDUSTRIAL PROFILE • MACHINE GUARDS & SAFETY FENCING • INDUSTR





I profili estrusi in alluminio ALUSIC sono realizzati in in lega di alluminio primario **EN AW-6060 (AlMgSi 0.5) - EN AW6063 (AlMgSi1)**. Lo stato metallurgico di fornitura delle barre è T6 (solubilizzato, temprato e invecchiato artificialmente). Le tolleranze dimensionali seguite per l'estrusione sono in ottemperanza della normativa per estrusi di precisione EN12020-1.

*Extruded aluminium profiles are realized in primary aluminium alloy **EN AW-6060 (AlMgSi 0.5) - EN AW6063 (AlMgSi1)**. The metallurgic state of supplied bars is T6 (solution heat treatment and artificially aged). The dimensional tolerances follow for the extrusion are in compliance with the normative for precision extruded EN12020-1.*

Composizione chimica delle leghe - *Chemical composition of alloys*

Lega/Alloy	*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	Resto/Rest
6063	0.10	0.35	0.10	0.45-0.9	0.2-0.6	0.10	0.10	0.10	Resto/Rest

Le caratteristiche meccaniche che si ottengono dopo il trattamento termico alle quali esse sono sottoposte sono:
The mechanical characteristics obtained after heat treatment at which they are submitted are:

Lega/Alloy	Carico di rottura *Maximum Stress* [N/mm²]	Limite di snervamento *Yeld Stress* [N/mm²]	Allungamento *Extension* [A%]	Durezza *Hardness* [HB]
6060	215	160	12	70
6063	245	200	9	80

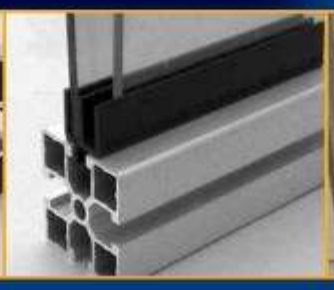
Caratteristiche per la progettazione di strutture in alluminio - *Characteristics for design of aluminium structures*

Modulo di elasticità - *Young Modulus*	69000	N/mm²
Resistività elettrica - *Electric Resistively*	0.033	Ωmm²/m
Conducibilità termica - *Thermal Conductivity*	210	W/mK
Temperatura di fusione - *Casting Temperature*	615 - 655	°C
Coef. di dilatazione termica - *Coefficient of Thermal Expansion*	25x10⁻⁶	K-1

Inoltre a garanzia dell'elevata qualità e affidabilità dei profili in alluminio e degli accessori per impianti solari il sistema qualità dell'ALUSIC è conforme ai requisiti della norma UNI EN ISO 9001:2000; questo è conferma di un continuo controllo sulle materie prime e sulle lavorazioni che si traduce in costante qualità e miglioramento dei prodotti. Infine l'ALUSIC mette a disposizione del cliente finale i propri uffici tecnico e commerciale in modo tale da risolvere ogni singola esigenza e ricercare la soluzione migliore per la realizzazioni di impianti solari.

Besides as guarantee of high quality and dependability of aluminium profiles and accessories for solar installations the quality system of ALUSIC is in accordance with the requirements of the normative UNI EN ISO 9001:2000; this is confirmation of a continuous control on raw materials and on the processing that is steady quality and improvement of products.
Finally ALUSIC put to finally customers' disposal its Technical and Commercial Departments in the way to solve every needs and research the best solution to realize solar installations.




TECHNICAL SPECIFICATIONS

RIAL & CLEAN ROOM WORKSTATIONS • CONVEYORS • MACHINE FRAMES • LINEAR SYSTEMS











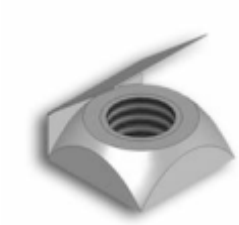
Alusic

DADO CAVA 8 - *NUT QUARRY 8*

MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	D	PESO g *WEIGHT g*
084.302.001	Dado - *Nut*	M4	3
084.302.002	Dado - *Nut*	M5	3
084.302.003	Dado - *Nut*	M6	3
084.302.004	Dado - *Nut*	M8	3

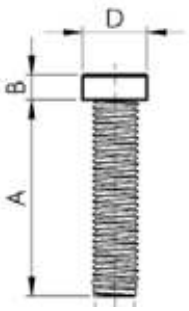
DADO CON MOLLA DI POSIZIONAMENTO - *NUT WITH POSITIONING SPRING*



MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	D	PESO g *WEIGHT g*
084.302.006	Dado quadro - *Square nut*	M4	6
084.302.007	Dado quadro - *Square nut*	M5	5
084.302.008	DDado quadro - *Square nut*	M6	5
084.302.009	Dado quadro - *Square nut*	M8	4

VITE DI FISSAGGIO - *CLAMPING SCREW*



MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	d	A	D	B	s	PESO g *WEIGHT g*
084.301.008	Vite - *Screw* M4 x 12	M4	12	7	2,5	2,5	1
084.301.009	Vite - *Screw* M5 x 12	M5	12	8	3,5	3	3
084.301.010	Vite - *Screw* M6 x 12	M6	12	10	4	4	4
084.301.011	Vite - *Screw* M6 x 16	M6	16	10	4	4	5
084.301.001	Vite - *Screw* M6 x 20	M6	20	10	4	4	4
084.301.002	Vite - *Screw* M8 x 16	M8	16	13	5	5	8
084.301.003	Vite - *Screw* M8 x 20	M8	20	13	5	5	10
084.301.004	Vite - *Screw* M8 x 25	M8	25	13	5	5	12
084.301.005	Vite - *Screw* M8 x 40	M8	40	13	5	5	18
084.301.006	Vite - *Screw* M8 x 50	M8	50	13	5	5	20
084.301.007	Vite - *Screw* M8 x 60	M8	60	13	5	5	24
084.301.012	Vite - *Screw* M8 x 22	M8	22	13	5	5	12
084.301.013	Vite - *Screw* M8 x 35	M8	35	13	5	5	18

DISPOSITIVO ANTIROTAZIONE - *ANTIROTATION DEVICE*

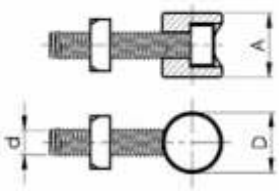
MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

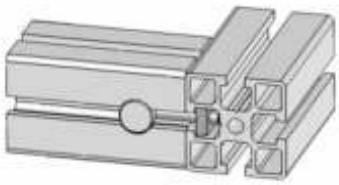
CODICE *CODE*	COPPIA TORSIONE *TORSION COUPLE*	PESO g *WEIGHT g*
084.303.006	25 Nm	4

FISSAGGI A NOTTOLINO - *PAWL CLAMPING*

MATERIALE/*MATERIAL* Alluminio anodizzato/Acciaio zincato - *Anodized aluminium/Galvanized steel*

CODICE *CODE*	TIPO DI FORNITURA *TYPE OF SUPPLY*	D	d	A	PESO g *WEIGHT g*
084.306.001	1 nottolino Ø 16 - 1 vite M6 x 25 - 1 dado M6 *Pawl Ø 16 - screw M6 x 25 - nut M6*	16	M6	16	30
084.306.002	1 nottolino Ø 20 - 1 vite M8 x 40 - 1 dado M8 *Pawl Ø 20 - screw M8 x 40 - nut M8*	20	M8	16	50

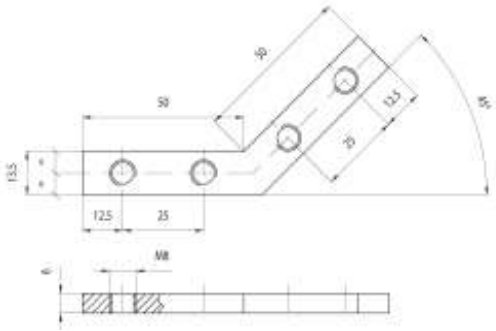


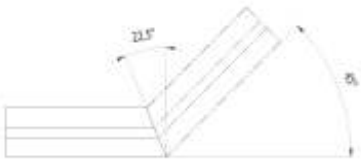


GIUNTO ANGOLARE 45° - *ANGULAR JOINT 45°*

MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

CODICE *CODE*	TIPO DI FORNITURA *TYPE OF SUPPLY*	PESO g *WEIGHT g*
084.307.002	Completo di 4 grani M8 - *Completed of 4 grains M8*	56

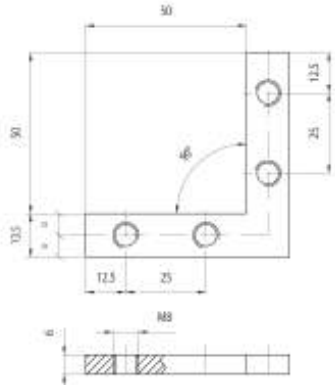


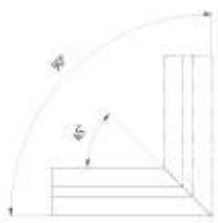


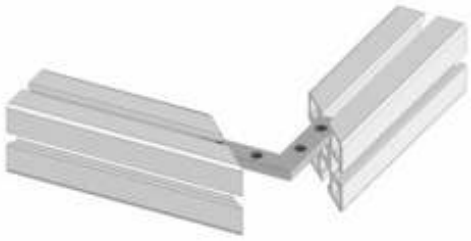
GIUNTO ANGOLARE 90° - *ANGULAR JOINT 90°*

MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

CODICE *CODE*	TIPO DI FORNITURA *TYPE OF SUPPLY*	PESO g *WEIGHT g*
084.307.004	Completo di 4 grani M8 - *Completed of 4 grains M8*	58







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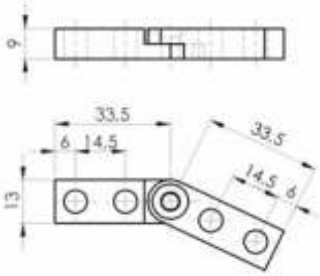
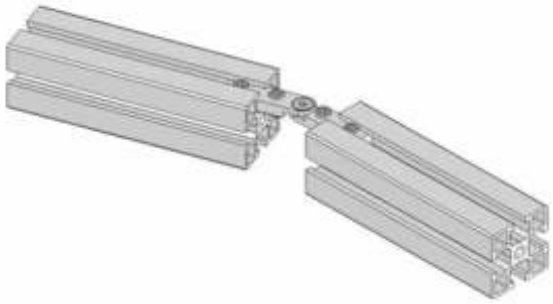
GIUNTO CENTRALE SNODATO ANGOLO VARIABILE - *CENTRAL ARTICULATED JOINT*

MATERIALE/*MATERIAL* Acciaio zincato - *Galvanized steel*

CODICE *CODE*	TIPO DI FORNITURA *TYPE OF SUPPLY*	PESO g *WEIGHT g*
084.307.008	Completo di 4 grani M8 - *Completed of 4 grains M8*	55

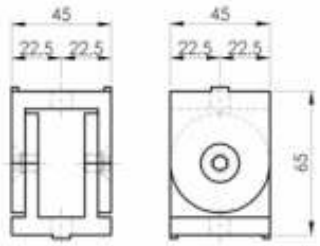




GIUNTO SNODATO SERRAGGIO A VITE - *ARTICULATED JOINT SCREW CLAMPING*

MATERIALE/*MATERIAL* Alluminio sabbiato - *Sandblasted aluminium*

CODICE *CODE*	TIPO DI PROFILO *TYPE OF PROFILE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.311.001	45 x 45	Impiegato per il collegamento dei profilati con qualsiasi angolazione (max 180°) *Connecting profiles in every direction within 180°*	210



PIASTRE DI FISSAGGIO - *CLAMPING PLATES*

MATERIALE/*MATERIAL* Alluminio anodizzato - *Anodized aluminium*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.308.003	40 x 40 mm	40
084.308.001	45 x 45 mm	45

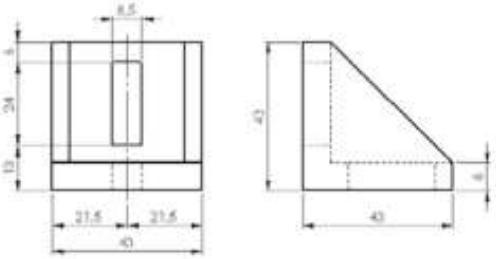
WE CARRY A LARGE RANGE OF STANDARD ACCESSORIES

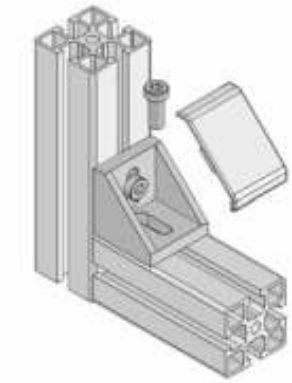
NON-STANDARD ACCESSORIES AVAILBLE ON ORDER

ANGOLARI DI FISSAGGIO - *CLAMPING ANGLES*

MATERIALE/*MATERIAL* Alluminio pressofuso sabbiato - *Sandblasted and die-cast aluminium*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.305.003	43 x 43 mm cava - *quarry* 8	60





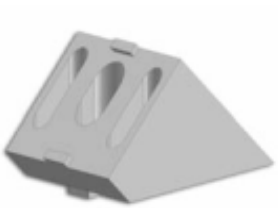
ANGOLARI DI FISSAGGIO - *CLAMPING ANGLES*

MATERIALE/*MATERIAL* Alluminio pressofuso sabbiato - *Sandblasted and die-cast aluminium*

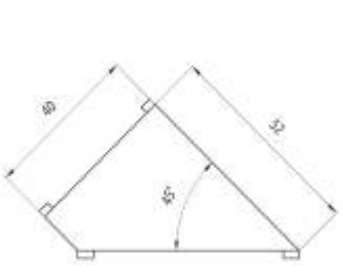
CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.305.009	Per profili serie 40 / 38 x 38 mm - *For profile series 40 / 38 x 38 mm*	50

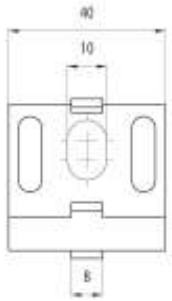
ANGOLARE DI RACCORDO - *JOINT ANGLE*

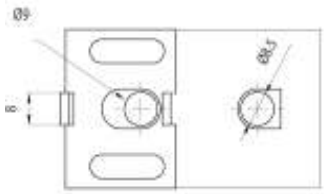
MATERIALE/*MATERIAL* Zinco pressofuso - *Die-cast zinc*



CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.305.011	Per il collegamento di profili 40 x 40 a 45° *To join profile 40 x 40 with an angle of 45°*	210







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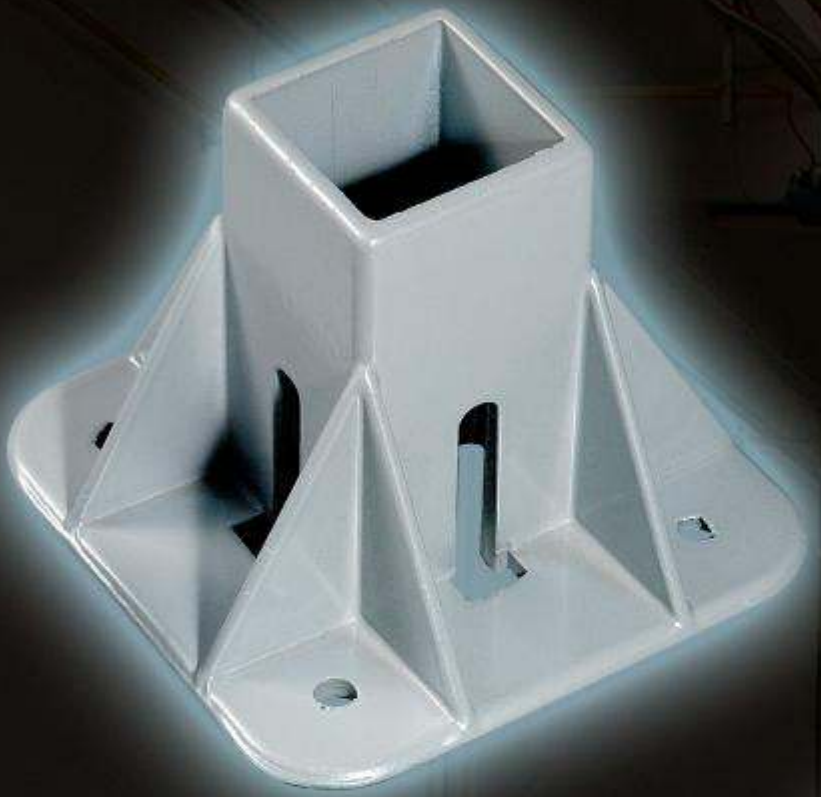
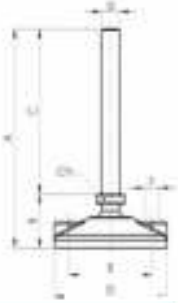


Alusic

8 PIEDI SNODATI FISSABILI - *ARTICULATED FIXING FEET*

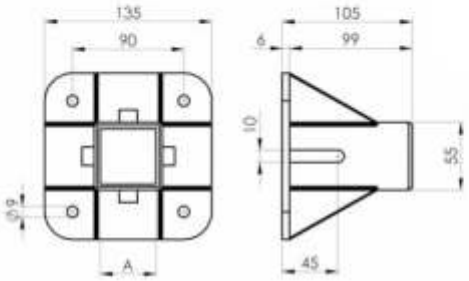


MATERIALE/*MATERIAL* Base in poliammide rinforzata nera, stelo in acciaio zincato
Polyamide base black strengthened, galvanized steel stem

CODICE *CODE*	PORTATA kg *LOAD kg*	D	d	A	B	C	E	F	Ch.	PESO g *WEIGHT g*
084.402.001	1000	80	M8	74	29	45	54	9	6	53
084.402.002	1000	80	M10	101	31	70	54	9	8	75
084.402.003	1000	80	M12	96	33	63	54	9	10	88
084.402.004	1000	80	M16	97	37	60	54	9	13	141
084.402.005	2200	100	M16	195	40	155	74	10,5	13	293
084.402.006	2200	100	M20	130	44	86	74	10,5	17	303

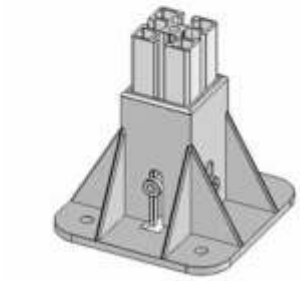
IMPORTANT: PLEASE NOTE THAT TO KEEP PRICES LOW, LOCALLY SOURCED EQUIVALENT PARTS MAY BE SUPPLIED IN LIEU OF THESE ALUSIC COMPONENTS. PLEASE CONTACT US IF YOU REQUIRE MORE INFORMATION.

8 10 BASE DI ANCORAGGIO A PAVIMENTO - *FLOOR ANCHOR BASE*

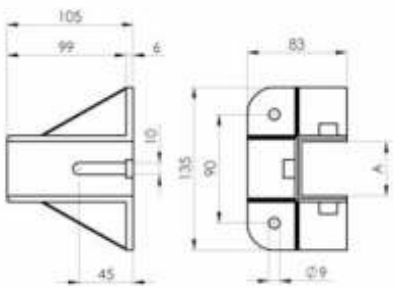


MATERIALE/*MATERIAL* Alluminio pressofuso sabbiato - *Sandblasted die cast aluminium*

CODICE *CODE*	TIPO DI PROFILO *TYPE OF PROFILE*	A	PESO g *WEIGHT g*
084.409.004	40 x 40	40 x 40	661
084.409.002	45 x 45	45 x 45	562

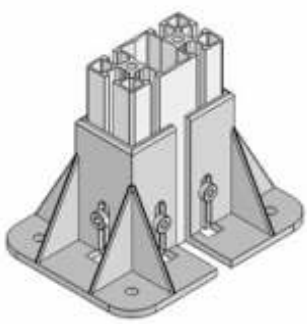


8 10 BASE DI ANCORAGGIO A PAVIMENTO - *FLOOR ANCHOR BASE*

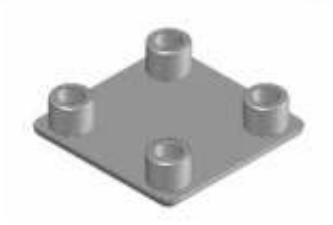


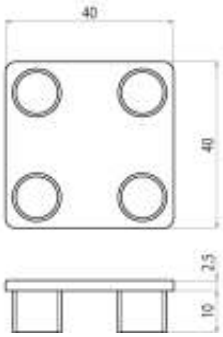
MATERIALE/*MATERIAL* Alluminio pressofuso sabbiato - *Sandblasted die cast aluminium*

CODICE *CODE*	TIPO DI PROFILO *TYPE OF PROFILE*	A	PESO g *WEIGHT g*
084.409.005	40 x 80	40	800
084.409.003	45 x 90	45	672



TAPPO PER PROFILO 40x40 - *CAP FOR PROFILE 40x40*





MATERIALE/*MATERIAL* Poliammide nero - *Black polyamide*

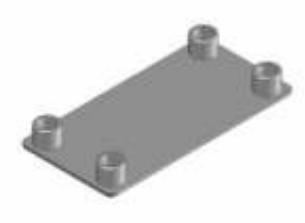
CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.201.024	Tappo - *Cap* 40 x 40	5

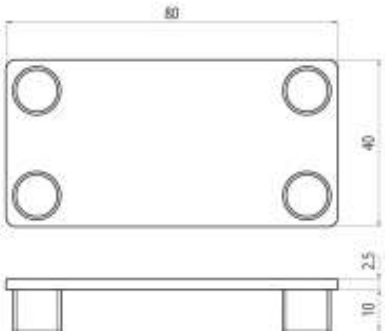
A richiesta sono fornibili di colore grigio - *On request they are supplied in grey color*

THIS IS ONLY A SMALL SELECTION!!

END CAPS ARE AVAILABLE FOR ALL PROFILE SIZES AND TYPES

TAPPO PER PROFILO 40x80 - *CAP FOR PROFILE 40x80*



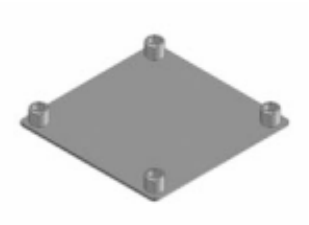


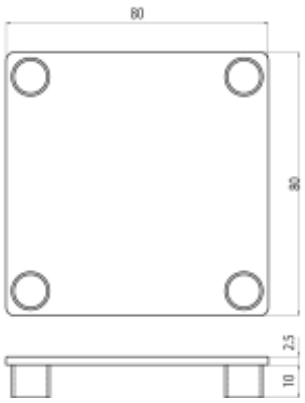
MATERIALE/*MATERIAL* Poliammide nero - *Black polyamide*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.201.025	Tappo - *Cap* 40 x 80	10

A richiesta sono fornibili di colore grigio - *On request they are supplied in grey color*

TAPPO PER PROFILO 80x80 - *CAP FOR PROFILE 80x80*





MATERIALE/*MATERIAL* Poliammide nero - *Black polyamide*

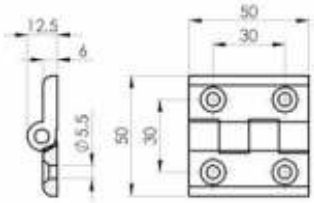
CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.201.026	Tappo - *Cap* 80 x 80	18

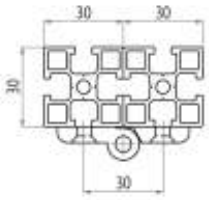
A richiesta sono fornibili di colore grigio - *On request they are supplied in grey color*

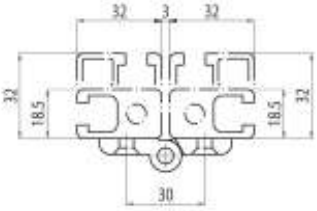
CERNIERE IN ALLUMINIO - *ALUMINIUM HINGES*

MATERIALE/*MATERIAL* Alluminio anodizzato con perno in acciaio zincato
Anodized aluminium with galvanized steel pin

CODICE *CODE*	FISSAGGIO CON VITE *CLAMPING WITH SCREW*	PESO g *WEIGHT g*
084.503.001	Autofilettanti M5 x 20 - *Self - threading M5 x 20*	49



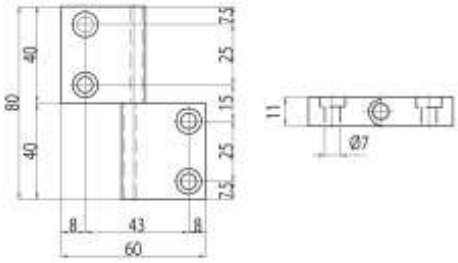


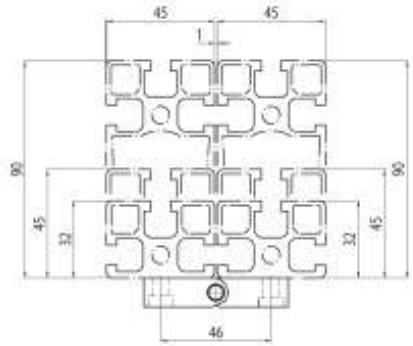


CERNIERA IN ALLUMINIO - *ALUMINIUM HINGE*

MATERIALE/*MATERIAL* Alluminio anodizzato con perno in acciaio Inox Aisi 303 Ø 5
Anodized aluminium with Inox Aisi 303 pin Ø 5

CODICE *CODE*	FISSAGGIO CON VITE *CLAMPING WITH SCREW*	A	B	C	D	E	F	PESO g *WEIGHT g*
084.502.003	M6 x 20	64	80	46	25	11	7	86

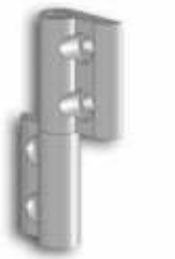


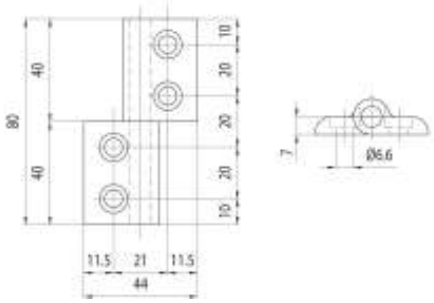


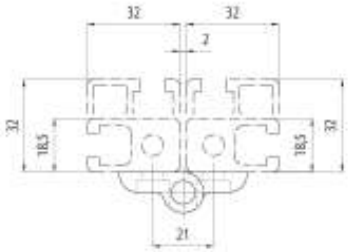
CERNIERA IN ALLUMINIO - *ALUMINIUM HINGE*

MATERIALE/*MATERIAL* Alluminio anodizzato con perno in acciaio inox Ø 8
Anodized aluminium with inox steel pin Ø 8

CODICE *CODE*	FISSAGGIO CON VITE *CLAMPING WITH SCREW*	A	B	C	D	PESO g *WEIGHT g*
084.500.001	M6 x 20	44	80	21	20	71



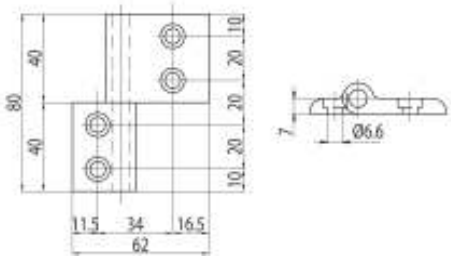


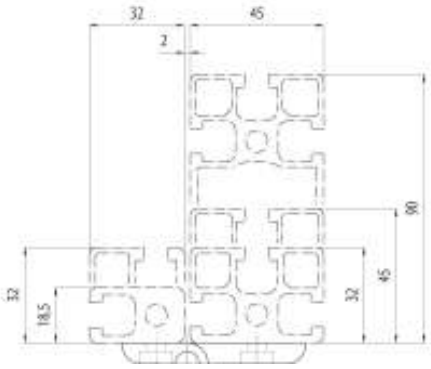


CERNIERA IN ALLUMINIO - *ALUMINIUM HINGE*

MATERIALE/*MATERIAL* Alluminio anodizzato con perno in acciaio inox Ø 8
Anodized aluminium with inox steel pin Ø 8

CODICE *CODE*	FISSAGGIO CON VITE *CLAMPING WITH SCREW*	A	B	C	D	PESO g *WEIGHT g*
084.500.002	M6 x 20	62	80	34	20	85

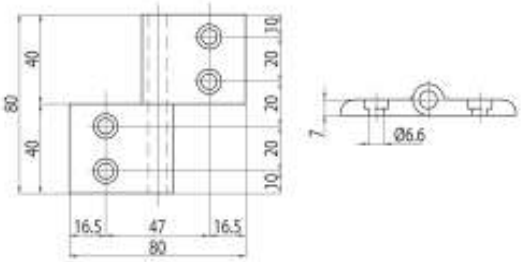


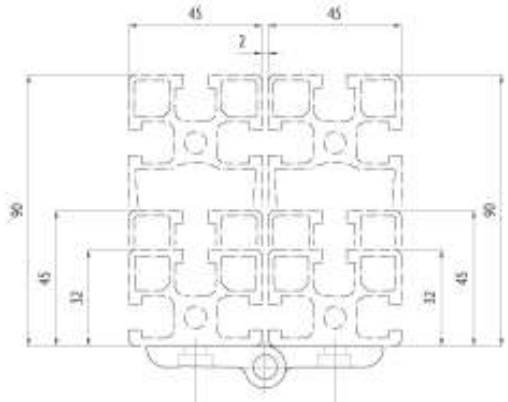


CERNIERA IN ALLUMINIO - *ALUMINIUM HINGE*

MATERIALE/*MATERIAL* Alluminio anodizzato con perno in acciaio inox Ø 8
Anodized aluminium with inox steel pin Ø 8

CODICE *CODE*	FISSAGGIO CON VITE *CLAMPING WITH SCREW*	A	B	C	D	PESO g *WEIGHT g*
084.500.003	M6 x 20	80	80	47	20	99

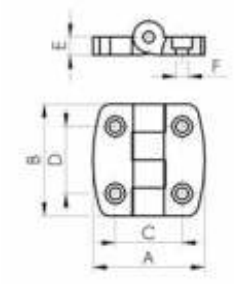




CERNIERE IN POLIAMMIDE - *POLYAMIDE HINGES*

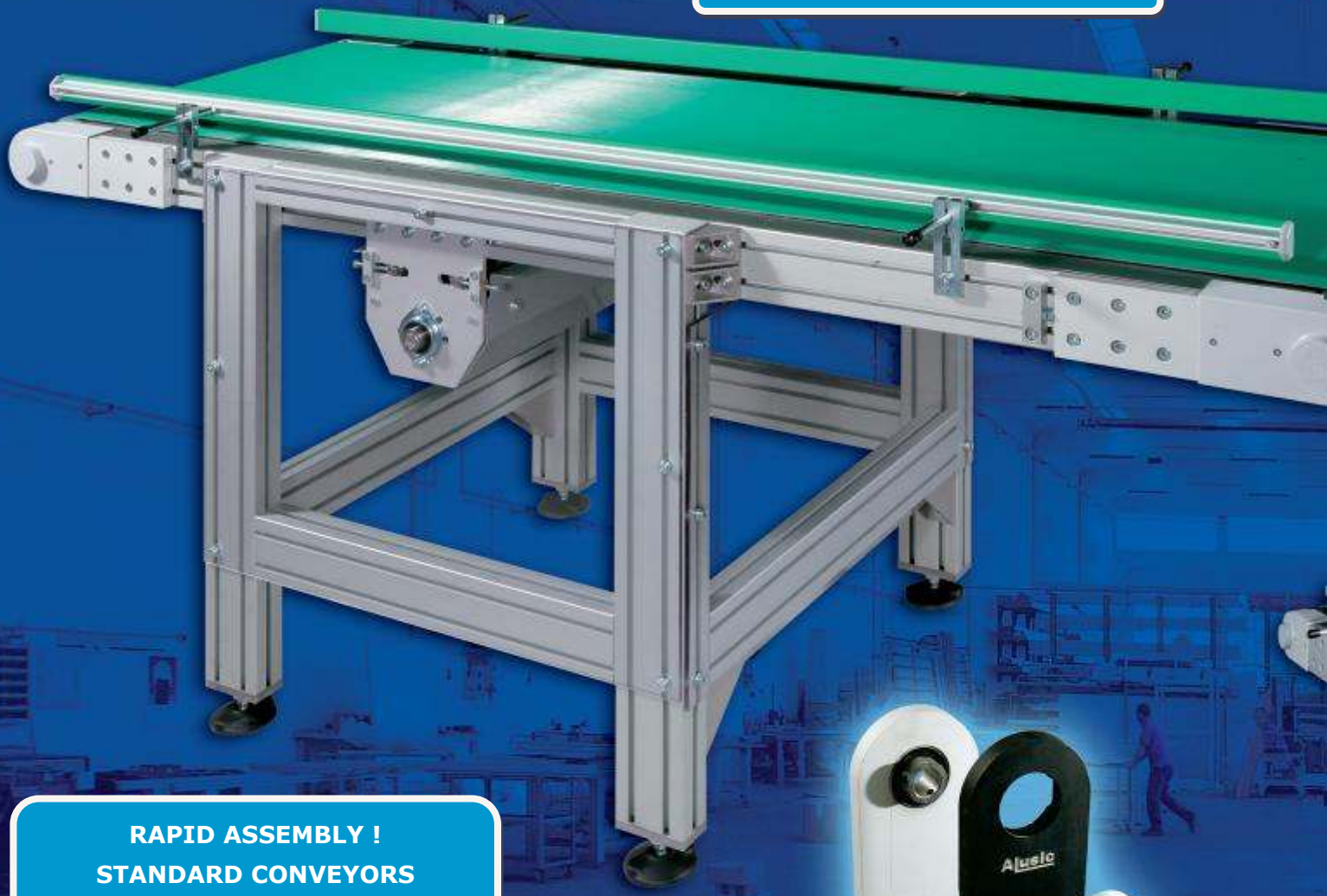
MATERIALE/*MATERIAL* Poliammide nero con perno inox - *Black polyamide with inox pin*

CODICE *CODE*	TIPO DI PROFILO *TYPE OF PROFILE*	FISSAGGIO CON VITE *CLAMPING WITH SCREW*	A	B	C	D	E	F	PESO g *WEIGHT g*
084.501.001	18 x 32 / 32 x 32	M4 x 20	39	39	25	25	9,5	4,5	14
084.501.008	30 x 30	M5 x 20	50	50	30	30	8,5	5,5	32
084.501.009	40 x 40	M6 x 20	70	50	40	30	8,5	6,5	40
084.501.010	45 x 45	M8 x 20	70	50	46	30	8,5	8,5	39



PROFILIUM

LOW COST CONVEYORS



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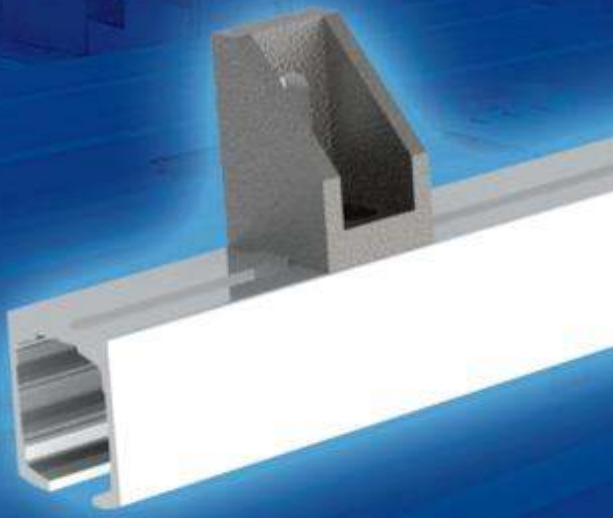

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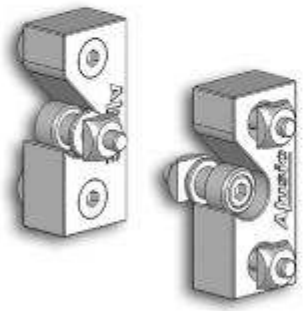
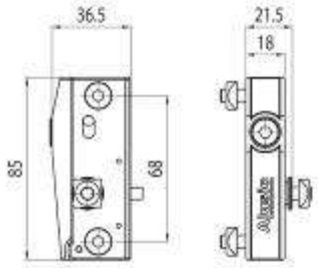
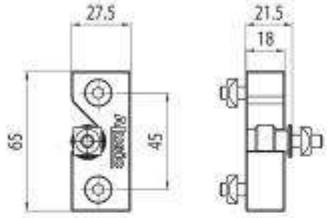
RAPID FIX SAFETY PANEL HINGES



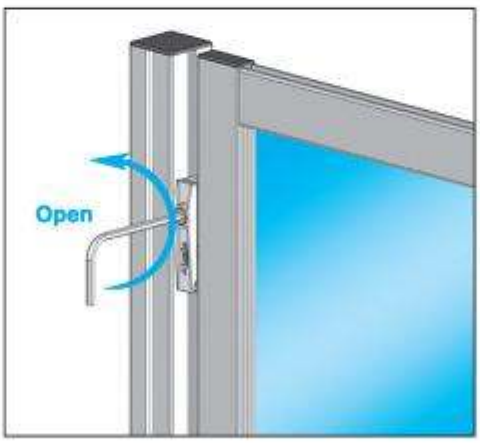




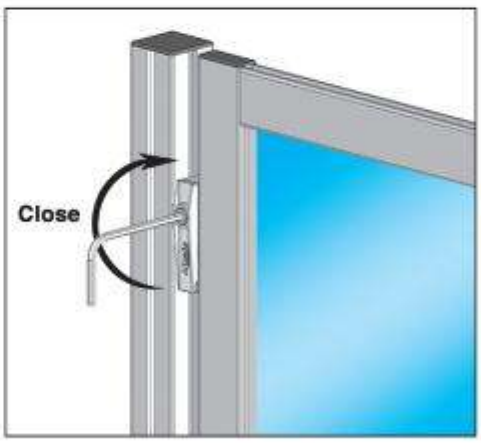
MATERIALE/*MATERIAL* Poliammide grigio - *Grey polyamide*

CODICE *CODE*	DESCRIZIONE *DESCRIPTION*	PESO g *WEIGHT g*
084.407.003	***RAPID FIX, SAFETY HINGES ARE IDEAL FOR MACHINE GUARDING, SAFETY FENCING OR OTHER APPLICATIONS WHERE YOU NEED TO ISOLATE A MACHINE FOR OHS PURPOSES BUT STILL MAINTAIN EASY ACCESS FOR SERVICE AND MAINTENANCE. PATENTED***	331

PATENTED DESIGN

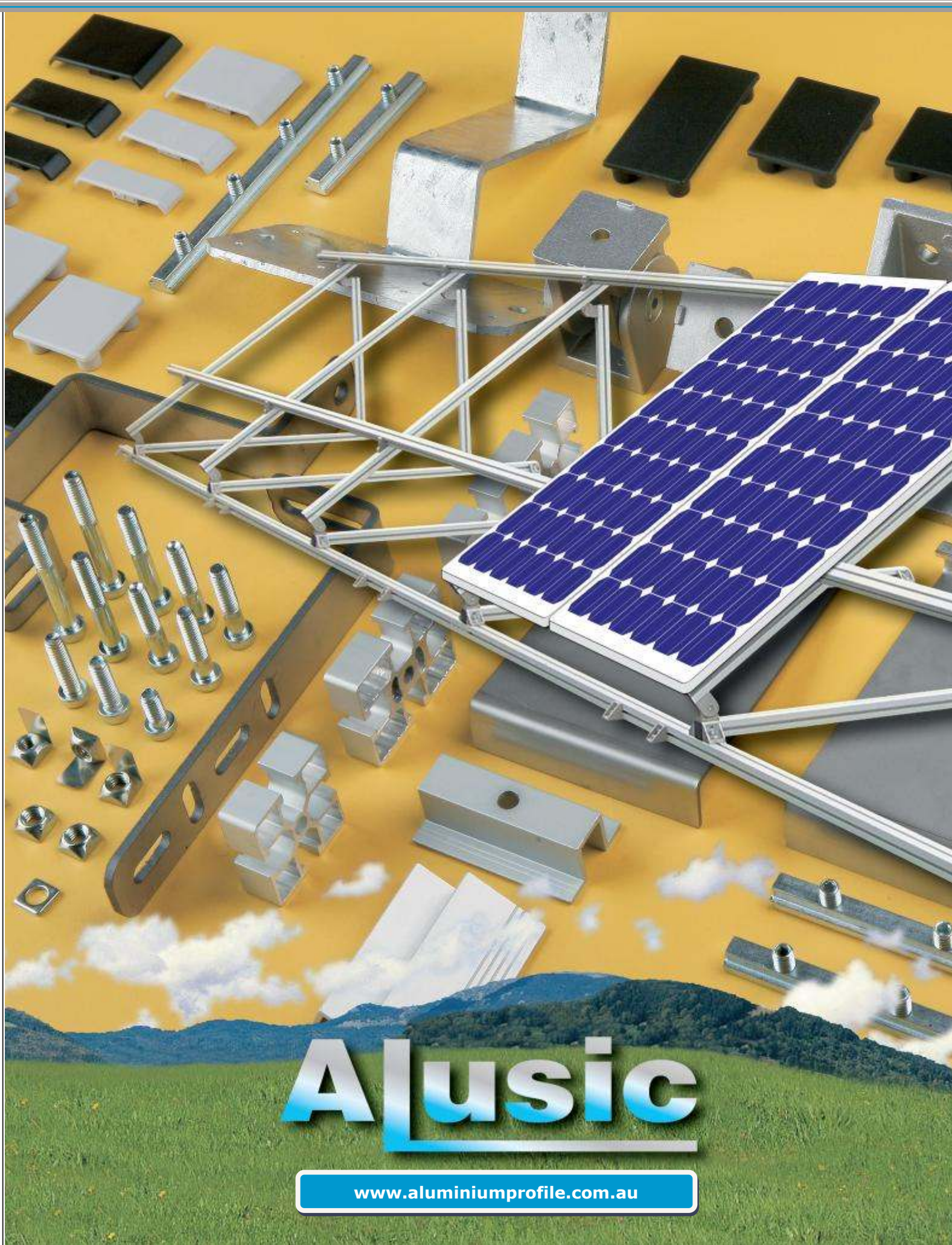


APERTURA: ruotare in senso antiorario
OPENING: turn anticlockwise



CHIUSURA: ruotare in senso orario
LOCKING: turn clockwise

PHOTOVOLTAIC PANEL SUPPORTS



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