

The modular assembly system with infinite possibilities



PVS®



**The extrusion
connection
system that
delivers
custom-made
structural
solutions.**



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Edition 05/2001

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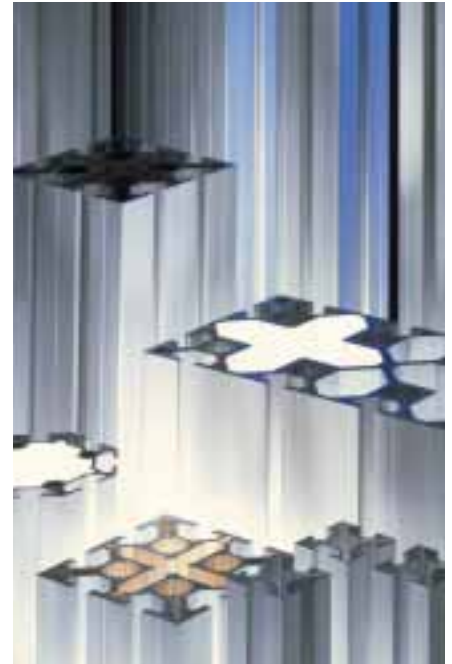
KANYA PVS®: The multiple use building system.

The KANYA building system is the result of continuous improvement over 25 years in the pursuit of excellence and offers top quality with optimum service.

Today you have even more options to choose from: quality and customer service go without saying. The KANYA PVS building system not only meets the most demanding requirements of ambitious projects but also competes internationally.

You can concentrate on your strengths ... we supply the framework solution. An extensive range of extrusions is available, for delicate and elegant solutions as well as heavy and robust requirements. The KANYA building system is ideal for both static as well as moving applications.

In addition to the KANYA service, you gain a comprehensive range of complimentary accessories which provides a wide choice of solutions for the customer. This catalogue shows an overview of the products and gives many examples. References and applications are also available on



CD ROM. Further information can be found on our web site at www.kanya.com.

Our aim is to produce the most precise work and most suitable materials for you and your project. When you are happy, we are happy! Make use of our experience and let us take on your challenge.

The KANYA-service

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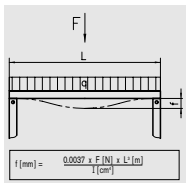
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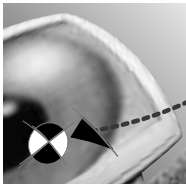
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You have the projects and the questions ...

and we have the know-how and a product to suit! Whatever communication system you use, whatever tasks you give us, you can be sure of our technical support. Our engineers and technicians will be happy to advise you by phone or send you information by post, e-mail or fax or visit you with samples to discuss the products. We will create solutions to meet your needs. We will quote you with drawings and parts lists using the very latest technology: service like this comes as standard at KANYA.

Your applications need extrusions ...

and we have an extensive stock and can deliver at short notice! Whatever extrusion or accessory you require, we have it in stock. Our enthusiastic staff deliver consignments, no matter how big or small, with all the necessary care. Your goods are sent properly packaged and on time, ensuring that you receive your order how and when you want it. Punctual delivery – part of the service from the KANYA.





- 1 Gripping module for robots
- 2 Support frame for a heat converter
- 3 Simulator for aircraft construction
- 4 Flexible storage and transport facilities in car manufacturing
- 5 Length measurement system



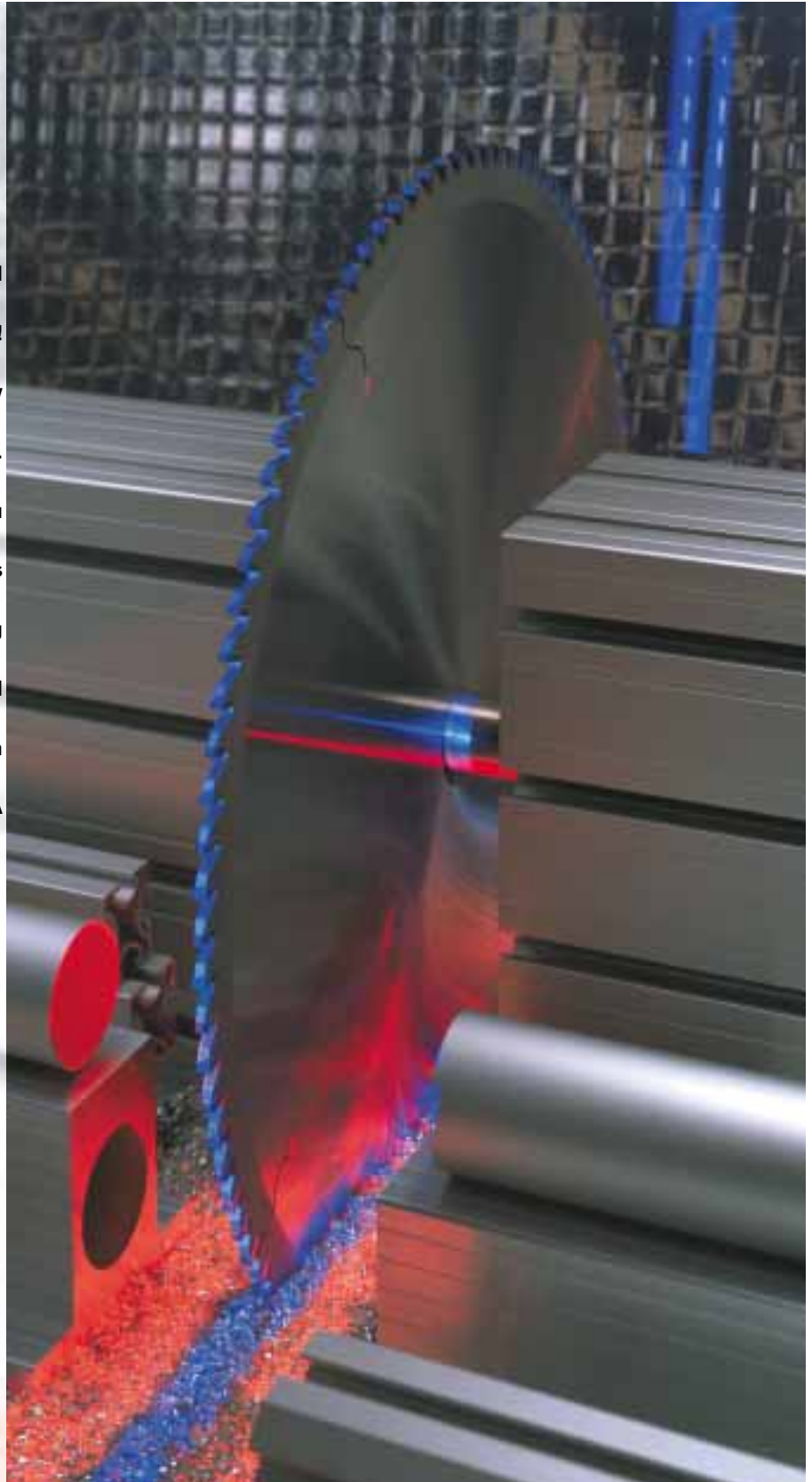
You have standards and dimensions ...

we have special-purpose saws and precision length-measurement systems!

You can count on us to make very accurate, clean cuts with minimal loss.

We will cut the extrusions just how you want them, large or small, straight cuts or mitred – so no off-cuts. Our machining

is environmentally friendly with bio-oil lubrication and fully automated dosing on each aluminium saw: a valuable KANYA service.



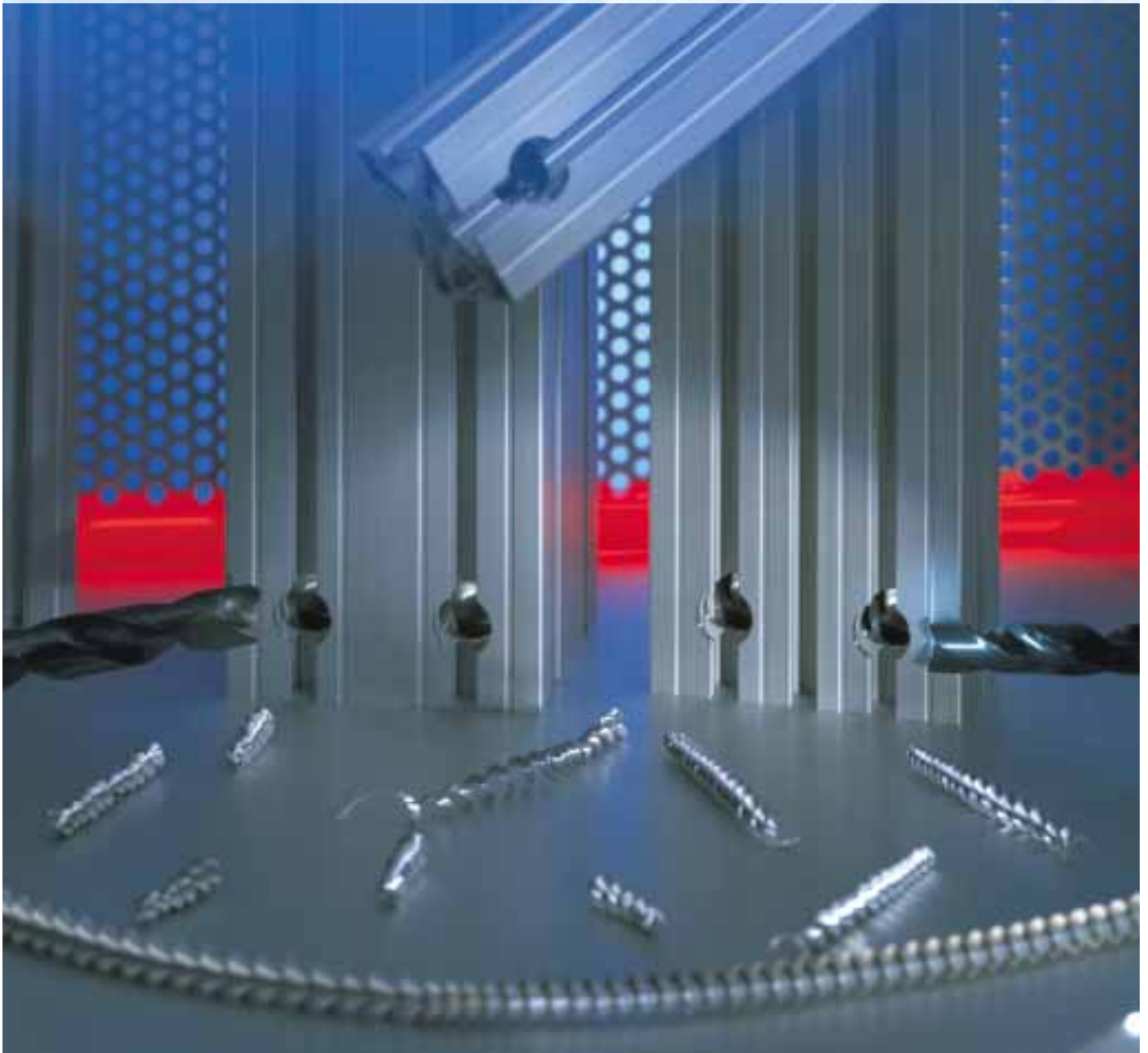
- 1 Measuring station
- 2 Display case
- 3 Work station
- 4 Transfer systems
- 5 Safety fencing



You have special requests ...

we have the machinery and the special tools! Even the most extensive building system requires special processing sometimes.

Extras for a project have to be produced at short notice. Our qualified workshop personnel process all types of extrusions and produce special parts quickly and accurately. Benefit from our years of experience in machining aluminium using the very latest technology. KANYA service has advantages to offer.





- 1 Automatic credit card checking and filling system
- 2 Switchgear for a satellite ground station
- 3 Individual workstation
- 4 Work bench with a testing facility
- 5 Feeder and transfer system
- 6 Base frame for an automatic conveyor system



Time is getting tight and your customers are chasing you!

We have a well trained assembly team and prepared elements! You can reduce the final assembly time greatly using prepared components. Thanks to proven connector technology, the assembly is child's play – the system with the knack! A further advantage is the speed of dispatch.

Prepared components can be dispatched compactly and at low cost: a cost-efficient KANYA service.



- 1 Fully automated packaging plant
- 2 Test plant for bicycle frames
- 3 Standardised safety fencing
- 4 Folding cover
- 5 Fully automatic racking installation
- 6 Longitudinal and transverse cutting machine





You have the ideas and visions ...

we have references and satisfied customers! Our strength lies in complete solutions. Benefit from our many years of experience in construction. Optimising the potential for synergies, we can come up with the perfect solution to meet your needs, wherever you are in the world. KANYA products can be found everywhere. Wherever we are needed, there is a well-trained and innovative team on hand to help you: a global KANYA service.

- 1 Packaging- and tapeing plant
- 2 Robot cells for handling components
- 3 Machine guarding
- 4 Automatic palletising plant
- 5 KANYA – futuristic extrusion technology for innovative and elegant solutions



Technical data for aluminium extrusions

Alloy	AlMg Si 0.5	temper-hardened
Quality	F25	
DIN designation	3.3206.72	
Tolerances	DIN 17615 Part 3	
Density/ weight	δ : 2.7 g/cm ³	Weight tolerance: $\pm 10\%$
Tensile strength	R _m : min 245 N/mm ²	
Yield	R _p 0.2: min 195 N/mm ²	
Elongation	A ₅ : min 10%	
	A ₁₀ : min 8%	
Modul of elasticity	E: 70 KN/mm ²	
Brinell hardness	HB ~75	
Surface	naturel matt anodised. Depth approx. 12 μ	Colour anodised or powder coated in accordance with the RAL table, on request
Thermal expansion	0.0232 mm/m/° Δ t	

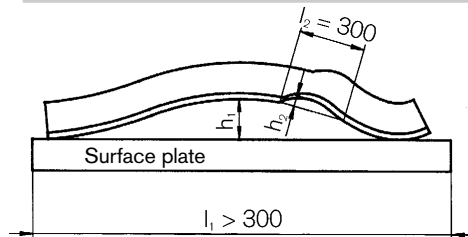


Extrusion tolerances, extract from DIN standard 17615 Part 3

1. Straightness tolerances

Cavity extrusions may not exceed the values stated in the table for straightness tolerances h_1 . The deviation h_2 may not exceed a maximum of 0.3 mm over any length of $l_2=300$ mm.

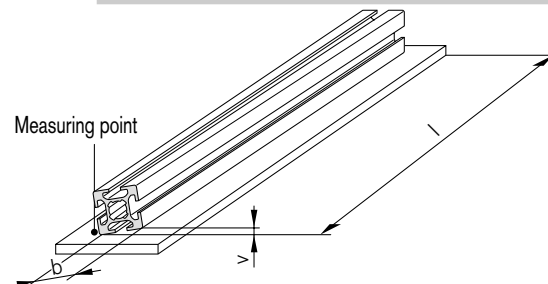
Length l_1 in m	up 1 m	up 2 m	up 3 m	up 4 m	up 5 m	up 6 m
Tolerance h_1 in mm	0.7	1.3	1.8	2.2	2.6	3.0



2. Twist tolerance v

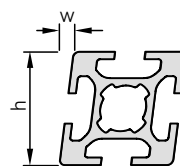
The length-dependent twist tolerance v for cavity extrusions is shown in the table.

Width b in mm	Flatness tolerance v in mm for lengths in mm					
	- 1000	> 1000-2000	- 2000-3000	> 3000-4000	> 4000-5000	> 5000-6000
- 25	1.0	1.5	1.5	2.0	2.0	2.0
> 25 - 50	1.0	1.2	1.5	1.8	2.0	2.0
> 50 - 75	1.0	1.2	1.2	1.5	2.0	2.0
> 75 - 100	1.0	1.2	1.5	2.0	2.2	2.5
> 100 - 125	1.0	1.5	1.8	2.2	2.5	3.0
> 125 - 150	1.2	1.5	1.8	2.2	2.5	3.0
> 150 - 200	1.5	1.8	2.2	2.6	3.0	3.5



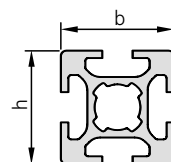
3. Inclination tolerance w

Where sides are of unequal length, inclination tolerance shall be relative to the angle of the shorter side.



Width b in mm	Inclination tolerance w in mm
- 40	0.3
> 40 - 100	$0.008 \times b$
> 100 - 300	$0.006 \times b$

4. External tolerances



Width b and height h in mm	Deviation in mm
> 15 - 30	± 0.25
> 30 - 45	± 0.30
> 45 - 60	± 0.40
> 60 - 90	± 0.45
> 90 - 120	± 0.60
> 120 - 150	± 0.70
> 150 - 180	± 0.90
> 180 - 240	± 1.10

KANYA connection technology

The extrusion connection system (PVS) opens up new possibilities for all structural design problems, whether for machinery, transfer and handling systems, guards, machine enclosures, work benches, laboratory facilities, cabinets, room partitions or exhibition stands. Rectangular, round, square or diagonal, fixed or swivelling: KANYA is the perfect solution.

Quick, secure connections:

KANYA PVS makes it possible to erect any structure in a very short time. The system centres around KANYA's own invention, the internationally patented PVS connector. Any extrusions can be joined together securely.

Simple and versatile assembly:

The two fundamentals which allow you to build a structure to your own design are ease of assembly and a comprehensive range of extrusions and accessories. Modifications or additions can be easily made, when the need arises, without wasting any material.

Highly cost-effective:

Any part can be customised. There is no need for expensive finishing or surface treatments. Expensive construction is minimised saving time and reducing costs. All the parts can be reused repeatedly since all joints are simple to dismantle. That's what makes this system the most cost effective you can buy in the long run.

An example of making a simple 90° connection.

All the KANYA PVS connections work on this simple principle, regardless of direction or size.



1. Insert the barrel into the hole made in the second extrusion.



2. Insert the sprung anchor into the centre hole of the barrel.



3. Push the anchor head into the slot of the first extrusion; twist 90°. Tighten the Allen screw. That's all.

Technical data for aluminium extrusion connectors

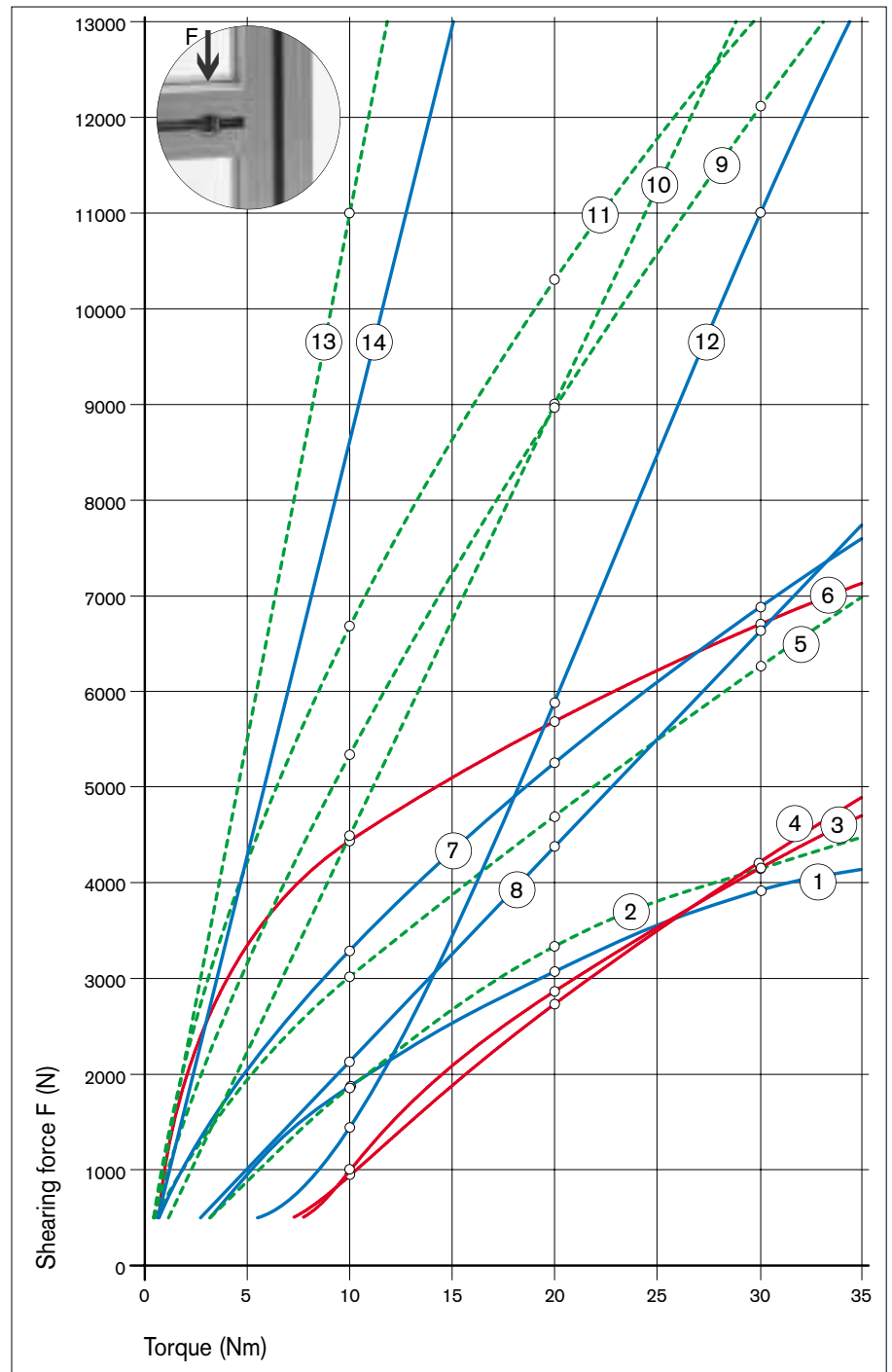
The technology behind KANYA extrusion connectors is based on friction. The appropriate tool can be used to make an extremely efficient friction connection, clamping the patented connector to the extrusion. The shearing force that must be applied to move the connection increases in proportion to the torque.

The table opposite shows the shearing forces in relation to torques and the number of connections. N.B. the shearing forces are applied directly to the connection point. In practice, this worst case scenario hardly ever applies. The force is usually introduced via the extrusion, giving it an additional bending moment. This bending moment tilts the connection point; the junction point is no longer held by friction, making the connection even more secure.

Note

The tightening torques should not exceed 35 Nm: otherwise, the anchor head may be damaged

No.	extrusion	connectors
1	50 x 50	1
2	40 x 40	1
3	30 x 30	1
4	30 x 50	1
5	40 x 80	2
6	30 x 100	2
7	50 x 100	2
8	50 x 150	3
9	40 x 120	3
10	80 x 80	4
11	40 x 160	4
12	100 x 100	4
13	80 x 160	8
14	100 x 200	8

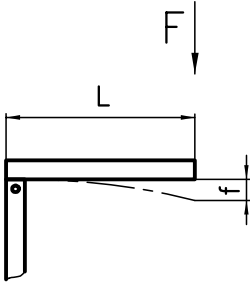


Tightening torques

KANYA wrench: 90 mm long \Rightarrow 20–25 Nm
 Long wrench: 180 mm long \Rightarrow 30–35 Nm

Strength calculations

Load case 1



$$f [\text{mm}] = \frac{0.476 \times F [\text{N}] \times L^3 [\text{m}]}{I [\text{cm}^4]}$$

where

- F = load in N
- L = extrusion length in m
- I = moment of inertia in cm⁴
- f = deflection in mm
- a/b = distance to the load point in m
- q = line load in N/m



Example:

A counterweight with a max. load of 500 N is to be fastened to an extruded arm 800 mm long. What will be the deflection of a 40x40 mm C01-1 type base extrusion?

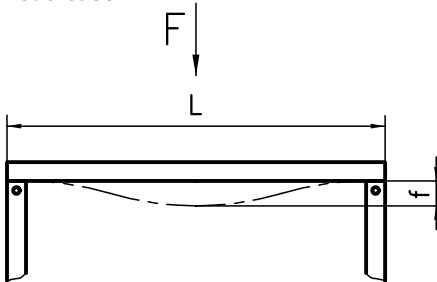
$$\text{Deflection } f = \frac{0.476 \times 500 \times 0.8^3}{11.70} = 10.42 \text{ mm}$$

Checking the bending stress:

$$\delta = \frac{M_b}{W \times 10^3}$$

- δ = bending stress in N/mm²
- M_b = max. abending moment in Nmm
- W = section modulus in cm³

Load case 2



$$f [\text{mm}] = \frac{0.0074 \times F [\text{N}] \times L^3 [\text{m}]}{I [\text{cm}^4]}$$



Example:

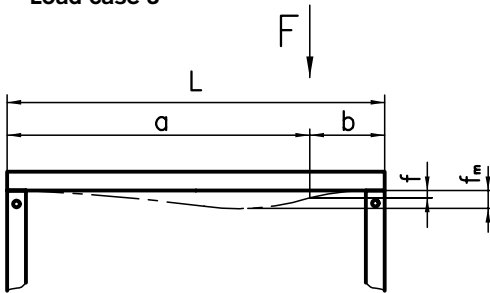
An 1800 N load is placed in the middle of a beam. The unsupported length is 1200 mm. The max. permissible deflection is 1.0 mm. What sort of extrusion should be used for the beam?

$$\text{Deflection } f = \frac{0.0074 \times F \times L^3}{I} \Rightarrow I = \frac{0.0074 \times F \times L^3}{f}$$

$$\text{Moment of inertia } I = \frac{0.0074 \times 1800 \times 1.2^3}{1.0} = 23.02 \text{ cm}^4$$

⇒ Use a heavy duty extrusion MA1-1 where I = 29.37 cm⁴

Load case 3



$$f \text{ [mm]} = \frac{0.476 \times F \text{ [N]} \times a^3 \text{ [m]} \times b^3 \text{ [m]}}{I \text{ [cm}^4\text{]} \times L^3 \text{ [m]}}$$

$a > b$	$f_m \text{ [mm]} = \frac{0.952 \times F \text{ [N]} \times a^3 \text{ [m]} \times b^2 \text{ [m]}}{I \text{ [cm}^4\text{]} \times L^2 \text{ [m]}} \left(\frac{L \text{ [m]}}{L \text{ [m]} + 2a \text{ [m]}} \right)^2$
---------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

$a < b$	$f_m \text{ [mm]} = \frac{0.952 \times F \text{ [N]} \times a^3 \text{ [m]} \times b^3 \text{ [m]}}{I \text{ [cm}^4\text{]} \times L^2 \text{ [m]}} \left(\frac{L \text{ [m]}}{L \text{ [m]} + 2b \text{ [m]}} \right)^2$
---------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Example:

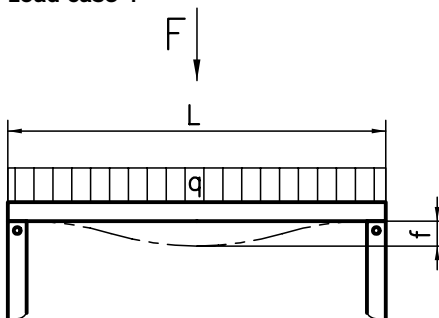
A cross-beam measuring 2500 mm in width has to support another beam 850 mm from the end of the cross-beam. The support load is 1200 N. A 50 x 100 base extrusion is used as the cross-beam. How great is the deflection at the point where the beam is placed?

$$\text{Deflection } f = \frac{0.476 \times 1200 \times 1.65^3 \times 0.85^3}{149.84 \times 2.5^3} = 0.67 \text{ mm}$$

where

- F = load in N
- L = extrusion length in m
- I = moment of inertia in cm⁴
- f = deflection in mm
- a/b = distance to the load point in m
- q = line load in N/m

Load case 4



$$f \text{ [mm]} = \frac{0.0037 \times F \text{ [N]} \times L^3 \text{ [m]}}{I \text{ [cm}^4\text{]}}$$

$$F = q \times L$$

Example:

A measuring plate (whose intrinsic stability is ignored) may not bend by more than 0.4 mm. The measuring table is 1500 mm deep and the line load on each side of the table is 8000 N/m.

Which extrusion must be used to support the measurement plate?

$$F = q \times L = 8000 \times 1,5 = 12000 \text{ N}$$

$$\text{Deflection } f = \frac{0.0037 \times F \times L^3}{I} \Rightarrow I = \frac{0.0037 \times F \times L^3}{f}$$

$$\text{Moment of inertia } I = \frac{0.0037 \times 12000 \times 1.5^3}{0.4} = 374.64 \text{ cm}^4$$

⇒ Use a heavy duty extrusion MA1-5 (100 x 100) where I = 380.00 cm⁴

KANYATHEK®

Use KANYATHEK(r) to view the PVS catalogue on-screen!

All the items from the PVS catalogue are contained in this program as .dwg and .dxf files. The files are available on the CD ROM in the Appendix, or can be downloaded directly from the Internet at www.kanya.com.

The extrusions are saved as cross-sections; accessories can be viewed as front, side and plan views. The code used for the different files is simply the item number: for accessories, add -1, -2 or -3 depending on the view you require (see the examples opposite).

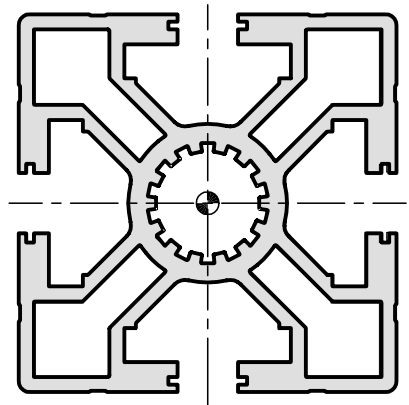
Another advantage of this electronic catalogue is that it is continuously updated to include innovations. Our Internet website is also continuously updated. Whether you are looking for new extrusions or accessories to add to your existing equipment, you can benefit from this at any time.

3-Design

This special program, which is written to be bolted onto AutoCAD R14, enables you to create 3D designs and automatically generate parts lists, as well as cutting and machining lists. It also calculates the price of the structure for you. This is a top tool for regular KANYA system users. Contact your Alusett team for further information.

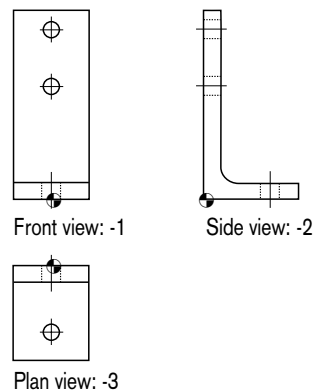
Examples:

Base extrusion 50 x 50 type A01-1

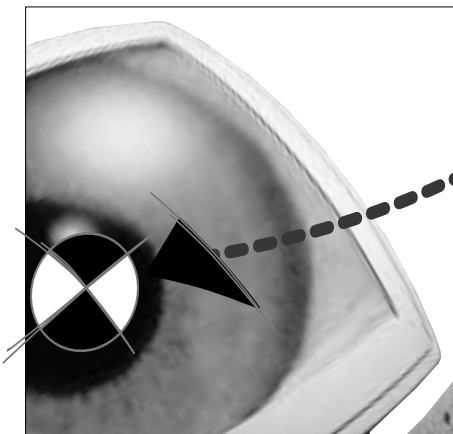


Floor bolting bracket type A47-00

File selected:
A47-00-1,
A47-00-2 or
A47-00-3



Layer definition:
KAN_PROF ≙ Contour
KAN_AXIS ≙ Axis line
KAN_HIDD ≙ Hidden line
KAN_INPT ≙ Insertion snap point
KAN_THIN ≙ Auxiliary line
KAN_INPT ≙ Insertion snap point



50 x 50 base extrusion type A01-1

App. These extru. are : for design, thanks their e weight strengt














Technical data	
$I_{x,y}$	= 20.88 cm ⁴
$W_{x,y}$	= 8.95 cm ³
Cross section area	= 8.55 cm ²
Weight	= 2.3 kg/m

Order data	Order number
50 x 50 base extrusion Standard length 5000 mm	A01-1-00/5000
50 x 50 base extrusion Cut to length	A01-1-02-02/...
Extra machining	Pages 28/29



















Main construction extrusions



















50 mm base extrusion

Extrusion, type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Base extrusion 50 x 50 type A01-1		2.3	20.88	8.35	30
Heavy duty extrusion 50 x 50 type MA1-1		3.1	29.37	11.75	30
Face extrusion 50 x 50 type A01-8		2.2	20.38, 19.61	8.15, 7.55	31
Corner extrusion 50 x 50 type A01-7		1.9	16.90	6.76	31
Double face extrusion 50 x 50 type A02-4		2.0	19.59, 18.17	7.83, 7.27	32
Angle extrusion 50 x 45° type A02-8		1.7	13.10	4.50	32
Base extrusion 50 x 100 type A01-2		4.6	149.84, 41.25	29.97, 16.50	33
Heavy duty extrusion 50 x 100 type MA1-2		5.3	198.66, 50.28	39.73, 20.11	34
Face extrusion 50 x 100 type MA1-4		5.2	203.67, 54.31	40.73, 21.03	35
Base extrusion 100 x 100 type MA2-5		8.1	324.73	64.95	36
Heavy duty extrusion 100 x 100 type MA1-5		9.5	380.00, 365.00	76.00, 73.00	37
Beam extrusion 50 x 150 type MA1-3		7.1	608.31, 73.56	81.11, 29.42	38
Heavy duty extrusion 100 x 200 type MA1-9		17.0	2442.53, 718.61	244.25, 143.72	39










40 mm base extrusion

Extrusion, type	Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Super lightweight extrusion 40 x 40 type C03-1 	1.3	8.2	4.10	40
Lightweight extrusion 40 x 40 type C02-1 	1.5	9.35	4.67	40
Base extrusion 40 x 40 type C01-1 	2.0	11.70	5.75	41
Face extrusion 40 x 40 type C01-8 	2.0	11.66, 11.67	5.78, 5.83	41
Corner extrusion 40 x 40 type C01-7 	1.5	9.21	4.53	42
Double face extrusion 40 x 40 type C02-4 	1.5	9.56, 9.21	4.78, 4.60	42
Angle extrusion 40 x 45° type C02-8 	1.2	6.30	2.70	43
Leight weight extrusion 40 x 80 type C02-3 	2.8	64.90, 17.70	16.23, 8.85	44
Base extrusion 40 x 80 type C01-3 	3.7	81.95, 22.74	20.49, 11.37	44
Face extrusion 40 x 80 type C01-5 	2.6	64.40, 17.20	16.10, 8.60	45
Beam extrusion 40 x 120 type C01-9 	5.3	258.52, 33.43	43.09, 16.72	46
Beam extrusion 40 x 160 type C02-9 	7.0	592.79, 44.36	74.09, 22.18	47
Angle extrusion 80 x 80 x 40 type C01-6 	5.3	109.18	23.56	48
Base extrusion 80 x 80 type C01-4 	6.0	154.70	38.68	49
Heavy duty extrusion 80 x 80 type C01-2 	6.8	175.70	39.40	50
Heavy duty extrusion 80 x 160 type MC1-9 	11.0	1018.98, 296.53	112.37, 74.13	51

30 mm base extrusion

Extrusion, type	Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Super lightweight extrusion 30 x 30 type B03-1 	0.7	2.63	1.76	52
Lightweight extrusion 30 x 30 type B02-1 	0.9	2.95	1.97	52
Heavy duty extrusion 30 x 30 type MB1-1 	1.1	3.77	2.51	52
Face extrusion 30 x 30 type B03-2 	0.8	2.85, 2.83	1.90, 1.83	53
Face panel extrusion 30 x 30 type B02-2 	0.9	2.93, 2.76	1.93, 1.84	53
Corner extrusion 30 x 30 type B02-3 	0.8	2.7	1.75	54
Corner face extrusion 30 x 30 type B01-3 	0.8	2.7	1.75	54
Double face extrusion 30 x 30 type B02-4 	0.8	2.73, 2.74	1.82, 1.83	55
Softline extrusion 30 x 30 type B01-8 	0.8	2.57	2.02	55
Base extrusion 30 x 50 type B01-9 	1.2	10.94, 4.33	4.38, 2.90	56
Face extrusion 30 x 50 type MB2-9 	1.3	11.30, 4.55	4.52, 3.03	56
Face panel extrusion 30 x 50 type MB1-9 	1.3	11.25, 4.84	4.50, 3.23	57
Base extrusion 30 x 60 type B01-6 	1.5	20.52, 5.20	6.84, 3.47	57
Box frame extrusion 30 x 95 type B01-7 	1.8	55.99, 7.94	11.79, 5.29	58
Base extrusion 30 x 100 type MB1-2 	2.3	80.77, 8.95	16.15, 5.97	59
Face panel extrusion 30 x 100 type B01-2 	2.1	77.86, 8.79	15.57, 5.72	59
Base 30 octagonal extrusion type B15-3 	2.8	51.01	14.09	60
Face extrusion 30 x 300 type B03-3 	5.1	1755.64, 26.06	117.04, 17.30	61

20 mm base extrusion

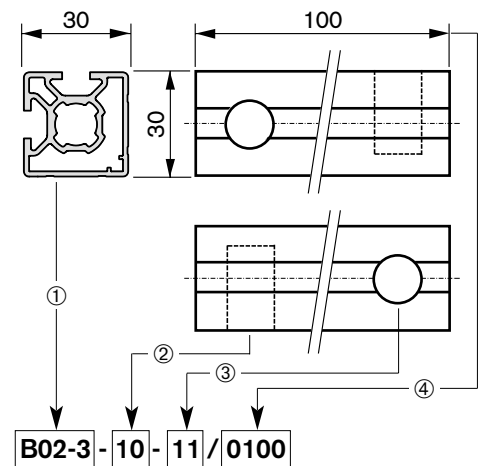
Extrusion, type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Base extrusion 20 x 20 type D01-5		0.38	0.60	0.60	62
Corner extrusion 20 x 20 type D01-3		0.42	0.61, 0.70	0.43, 0.50	62
Base extrusion 20 x 40 type D01-7		0.73	3.91, 1.10	1.95, 1.10	62
Box frame extrusion 20 x 40 type D01-6		0.70	2.60, 1.38	1.21, 1.38	63
Intermediate extrusion 20 x 30 type D19-1		0.60	1.60, 0.53	0.89, 0.53	63
Box frame extrusion 20 x 47 type D01-2		0.95	7.36, 1.84	3.13, 1.84	64
Base 20 mm octagonal extrusion type D01-1		1.31	9.96	4.13	64
Box frame extrusion 20 x 95 type D01-4		1.26	44.26, 2.75	9.32, 2.75	65
Face extrusion 20 x 150 type D19-5		1.86	142.50, 4.41	18.85, 4.16	65

Ordering overview – machining code

The master number identifies the extrusion and the remaining codes refer to the additional features required. Here is an example: all the available machining codes are listed in the table below.

How to order:

- ① Select the appropriate standard or special extrusion
- ② Define how the left end of the extrusion should be machined according to the following view – use code 02 if the left end of the extrusion is to be left unmachined.
- ③ Define how the right end of the extrusion should be machined according to the following view – use code 02 if the right hand side of the extrusion is to be left unmachined
- ④ Indicate the required extrusion length (stock length is 5000 mm / 6000 mm)



MACHINING INFORMATION

1. Cutting the extrusion to length

Stock length 5000 mm
Stock length 6000 mm
Cut to length

2. Tapping threads (centre)

(symmetrical)

1	thread	M16/14 x 50	
1	thread	M16/14 x 100	
1	thread	M16/14/8 x 25	
2	thread	M16/14 x 50	
2	thread	M16/14 x 100	
2	thread	M16/14/8 x 25	
3	thread	M16/14 x 100	
3	thread	M16/14 x 25	
4	thread	M16 x 100	
4	thread	M16 x 25	
4	thread	M6 x 15	
4	thread	M8 x 20	
X	thread acc.	to customer drawing	

TOLERANCE Length

MACHINING CODE FOR THE EXTRUSION ENDS

+50 / -0,0	-00
+50 / -0,0	-01
up to 500 mm ±0.2	-02
500–2000 mm ±0.3	
2000–6000 mm ±1.0	
+ 2,0 / -0,0	-E1
+ 2,0 / -0,0	-03
+ 2,0 / -0,0	-E3
+ 2,0 / -0,0	-E2
+ 2,0 / -0,0	-04
+ 2,0 / -0,0	-E4
+ 2,0 / -0,0	-05
+ 2,0 / -0,0	-E5
+ 2,0 / -0,0	-06
+ 2,0 / -0,0	-E6
+ 1,0 / -0,0	-07
+ 2,0 / -0,0	-08
	-09

MACHINING INFORMATION

MACHINING CODE FOR THE EXTRUSION ENDS

3. PVS drilling

1	PVS hole		-10
1	PVS hole		-11
1	PVS hole		-12
1	PVS hole acc. to customer drawing		-19
2	PVS holes		-20
2	PVS holes		-21
2	PVS holes acc. to customer drawing		-29
3	PVS holes		-30
3	PVS holes acc. to customer drawing		-39
4	PVS holes		-40
4	PVS holes acc. to customer drawing		-49
8	PVS holes		-80
8	PVS holes acc. to customer drawing		-89

4. Mitre cuts

Customer drawing is essential for mitred non-symmetrical extrusions!

45° mitre		-50
45° mitre		-51
Mitre acc. to customer drawing		-59

5. Mitre cuts/PVS drilling

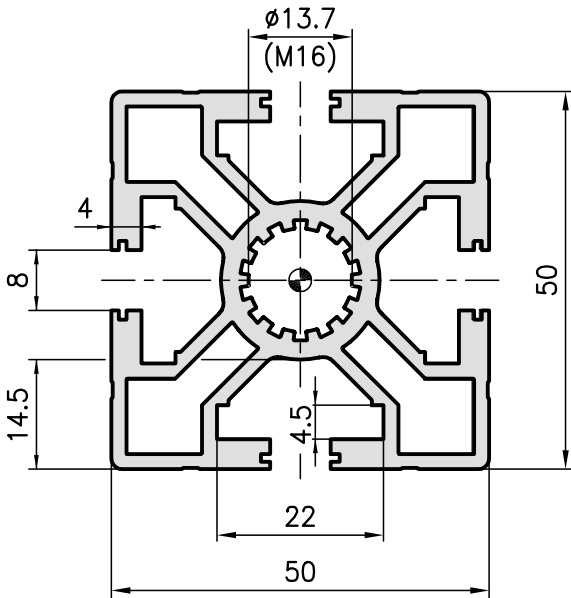
Customer drawing is essential for mitred non-symmetrical extrusions!

45° mitre + PVS hole		-60
45° mitre + PVS hole		-61
45° mitre + 2 PVS holes		-62
45° mitre + 2 PVS holes		-63
45° mitre + 4 PVS holes		Extrusions 100 x100 / 80 x 80 -64
45° mitre + 4 PVS holes		Extrusions 100 x100 / 80 x 80 -65
Mitre + PVS drilling acc. to customer drawing		-69

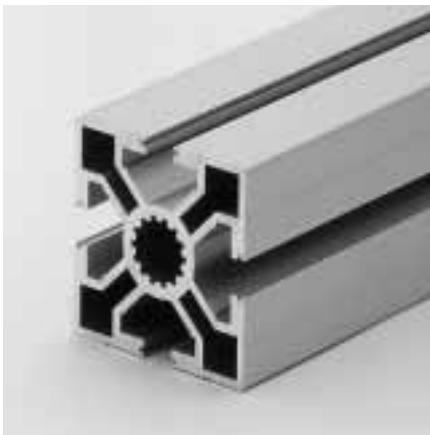
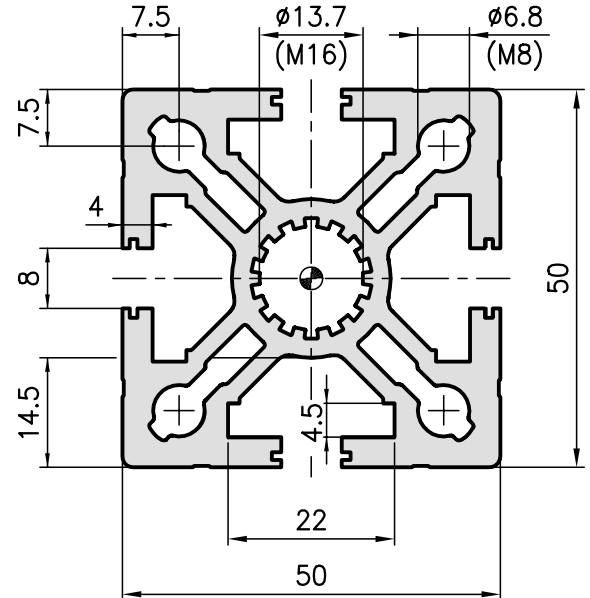
6. Special machining

Extrusion machining acc. to customer drawing		-99
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50 x 50 base extrusion type A01-1

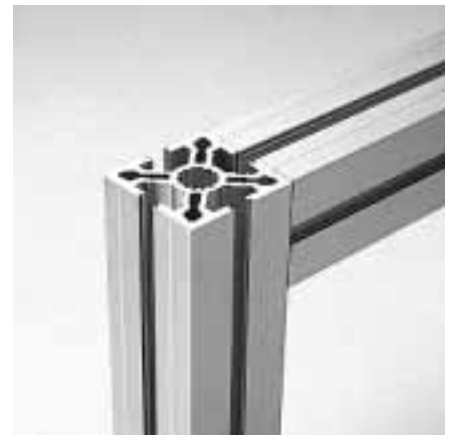


50 x 50 heavy duty extrusion type MA1-1



Application

These two extrusions are suitable for most design tasks thanks to their excellent weight and strength properties. Their useful features include holes for direct threading and small guide slots to cover the openings in the extrusions with aluminium strips, 0.8 x 10 type A39-10/-17.



Technical data

$I_{x,y}$	=	20.88 cm ⁴
$W_{x,y}$	=	8.35 cm ³
Cross section area	=	8.55 cm ²
Weight	=	2.3 kg/m

Order data Order number

50 x 50 base extrusion	
Standard length 5000 mm	A01-1-00/5000
50 x 50 base extrusion	
Cut to length	A01-1-02-02/....
Extra machining	Pages 28/29



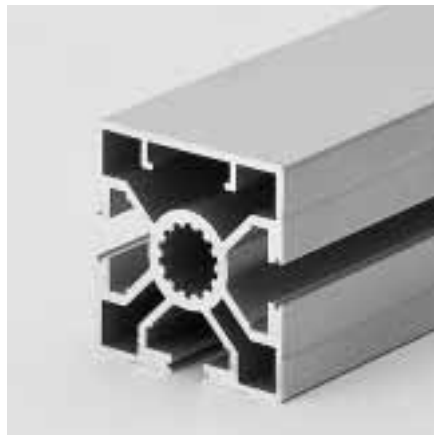
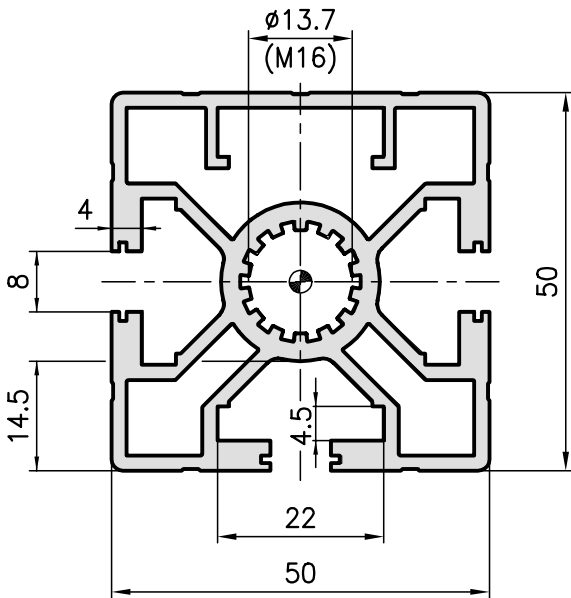
Technical data

$I_{x,y}$	=	29.37 cm ⁴
$W_{x,y}$	=	11.75 cm ³
Cross section area	=	11.26 cm ²
Weight	=	3.1 kg/m

Order data Order number

50 x 50 heavy duty extrusion	
Standard length 5000 mm	MA1-1-00/5000
50 x 50 heavy duty extrusion	
Cut to length	MA1-1-02-02/....
Extra machining	Pages 28/29

50 x 50 face extrusion type A01-8



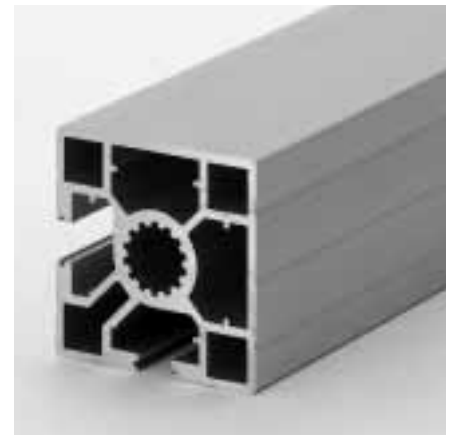
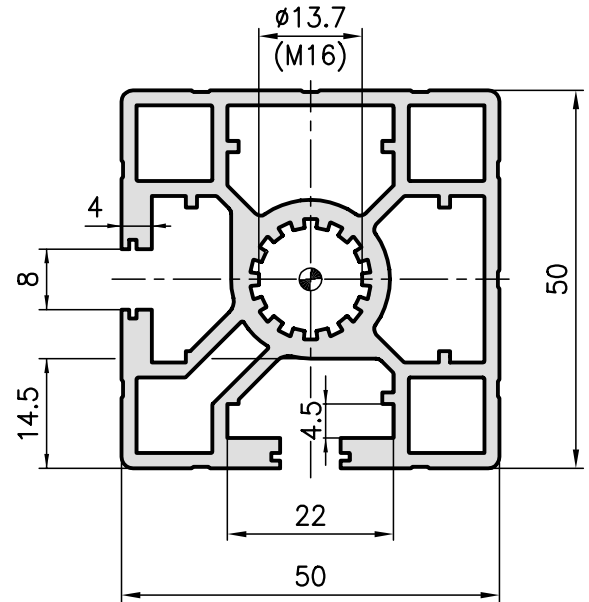
Technical data

I _x	=	20.38 cm ⁴
I _y	=	19.61 cm ⁴
W _x	=	8.15 cm ³
W _y	=	7.55 cm ³
Cross section area	=	8.01 cm ²
Weight	=	2.2 kg/m

Order data Order number

50 x 50 face extrusion	
Standard length 5000 mm	A01-8-00/5000
50 x 50 face extrusion	
Cut to length	A01-8-02-02/....
Extra machining	Pages 28 / 29

50 x 50 corner extrusion type A01-7



Technical data

I _{x,y}	=	16.90 cm ⁴
W _{x,y}	=	6.76 cm ³
Cross section area	=	7.12 cm ²
Weight	=	1.9 kg/m

Order data Order number

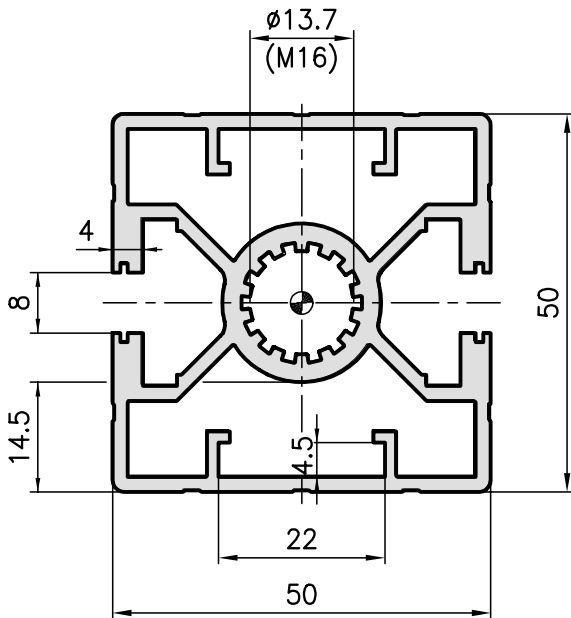
50 x 50 corner extrusion	
Standard length 5000 mm	A01-7-00/5000
50 x 50 corner extrusion	
Cut to length	A01-7-02-02/....
Extra machining	Pages 28 / 29

Application

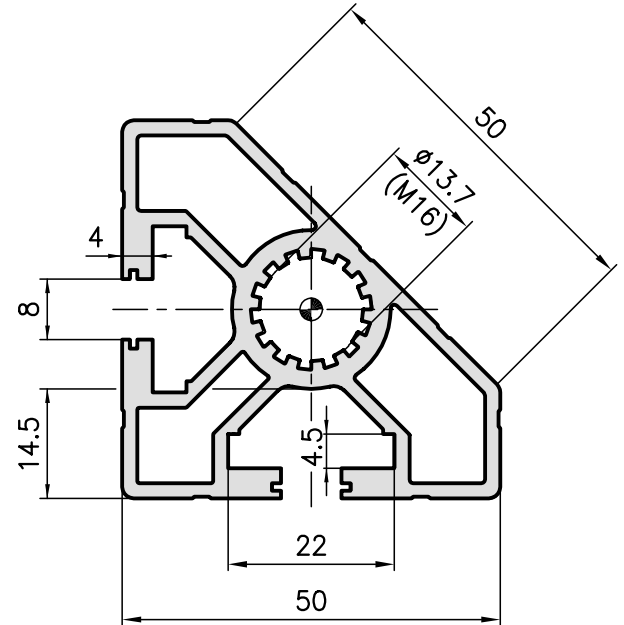
Corner and face extrusions are used in any applications where closed surfaces are required. The advantages of these are that they improve the appearance of the structures and also minimise the build up of dirt. Extrusions can be fitted onto the closed faces by drilling holes in the outer face of the extrusion at the required points and using A32-... type threaded plates. The small lugs inside the extrusion guide the plates.



50 x 50 double face extrusion type A02-4



50 x 45° angle extrusion type A02-8



Application

For all types of enclosure, as well as for structures with extrusion faces which are mainly closed and for applications with an attractive design.



Technical data

I_x	=	19.59 cm ⁴
I_y	=	18.17 cm ⁴
W_x	=	7.83 cm ³
W_y	=	7.27 cm ³
Cross section area	=	7.39 cm ²
Weight	=	2.0 kg/m

Order data

Order number

50 x 50 double face extrusion	
Standard length 5000 mm	A02-4-00/5000
50 x 50 double face extrusion	
Cut to length	A02-4-02-02/
Extra machining	Pages 28/29



Technical data

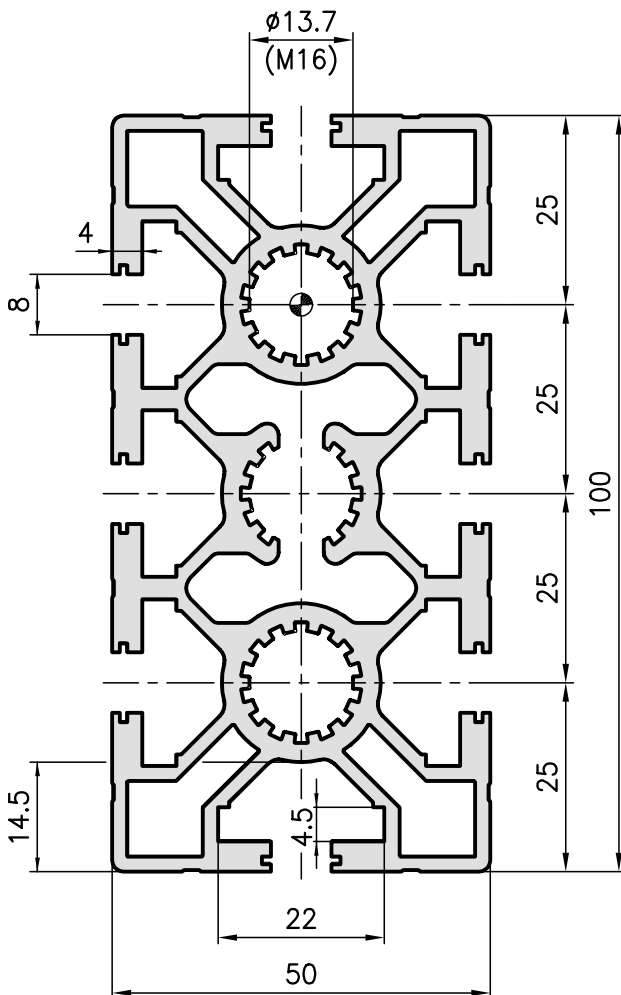
$I_{x,y}$	=	13.10 cm ⁴
$W_{x,y}$	=	4.50 cm ³
Cross section area	=	6.40 cm ²
Weight	=	1.7 kg/m

Order data

Order number

50 x 45° angle extrusion	
Standard length 5000 mm	A02-8-00/5000
50 x 45° angle extrusion	
Cut to length	A02-8-02-02/
Extra machining	Pages 28/29

50 x 100 base extrusion type A01-2



Technical data

I_x	= 149.84 cm ⁴
I_y	= 41.25 cm ⁴
W_x	= 29.97 cm ³
W_y	= 16.50 cm ³
Cross section area	= 16.84 cm ²
Weight	= 4.6 kg/m

Order data

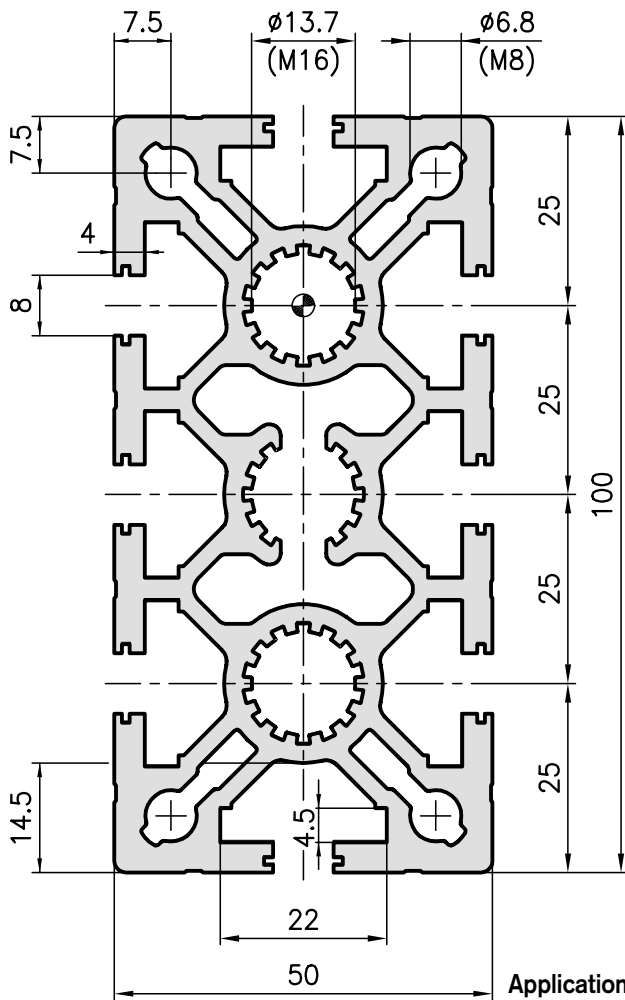
Order data	Order number
50 x 100 base extrusion	
Standard length 5000 mm	A01-2-00/5000
Special length 6000 mm	A01-2-01/6000
50 x 100 base extrusion	
Cut to length	A01-2-02-02/...
Extra machining	Pages 28/29

Application

This base extrusion is normally used for cross-beams. Further its optimised cross section means that it is ideal for an extremely wide range of applications.



50 x 100 heavy duty extrusion type MA1-2



Application

The heavy duty extrusion, like the A01-2 type base extrusion, is commonly used as a cross-beam. However, this design can also be used in many different applications combining excellent load-bearing capabilities and a lightweight structure!



Technical data

I_x	= 198.66 cm ⁴
I_y	= 50.28 cm ⁴
W_x	= 39.73 cm ³
W_y	= 20.11 cm ³
Cross section area	= 19.79 cm ²
Weight	= 5.3 kg/m

Order data

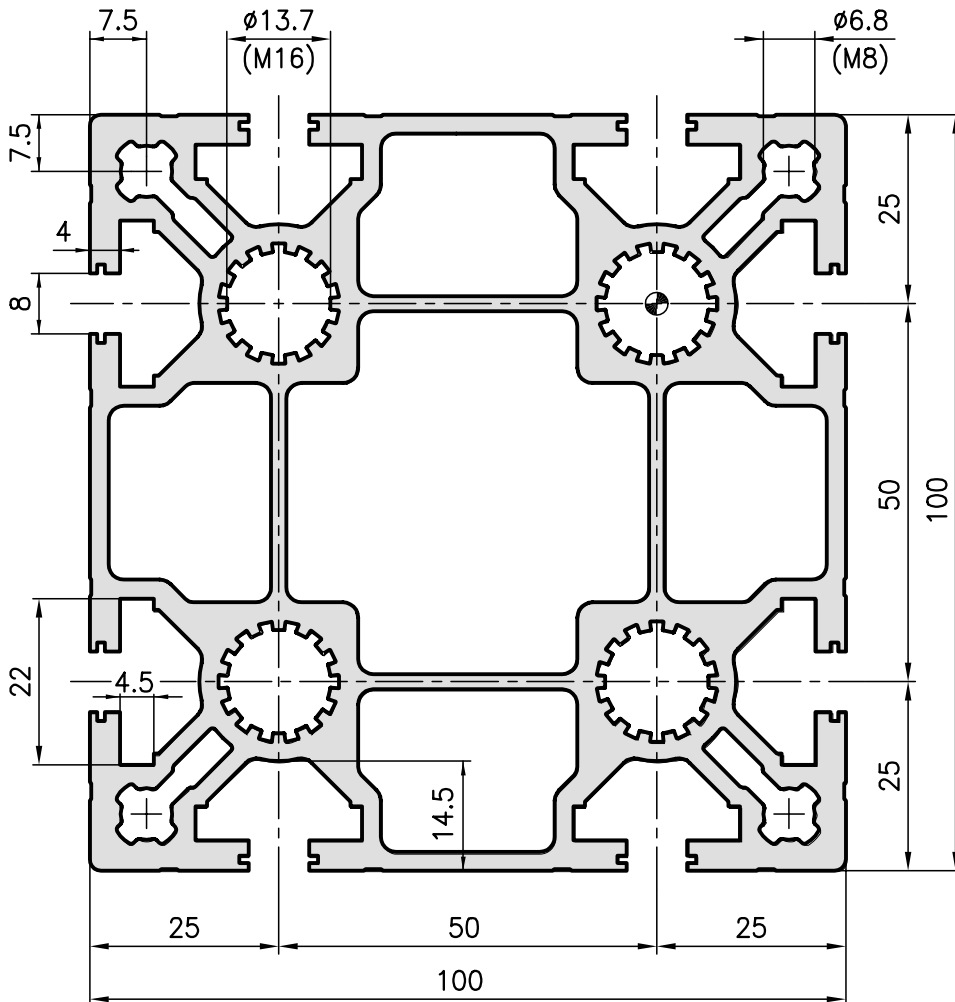
Order number

50 x 100 heavy duty extrusion	
Standard length 5000 mm	MA1-2-00/5000
Special length 6000 mm	MA1-2-01/6000

50 x 100 heavy duty extrusion	
Cut to length	MA1-2-02-02/....

Extra machining	Pages 28/29
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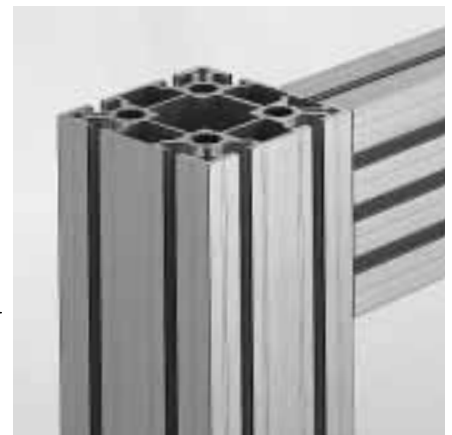
100 x 100 base extrusion type MA2-5



Application

This versatile extrusion is mainly used in machinery and plant construction and boasts the following qualities:

- high strength
- excellent torsional rigidity
- low weight



Technical data

$I_{x,y}$	= 324.73 cm ⁴
$W_{x,y}$	= 64.95 cm ³
Cross section area	= 30.00 cm ²
Weight	= 8.1 kg/m

Order data

Order number

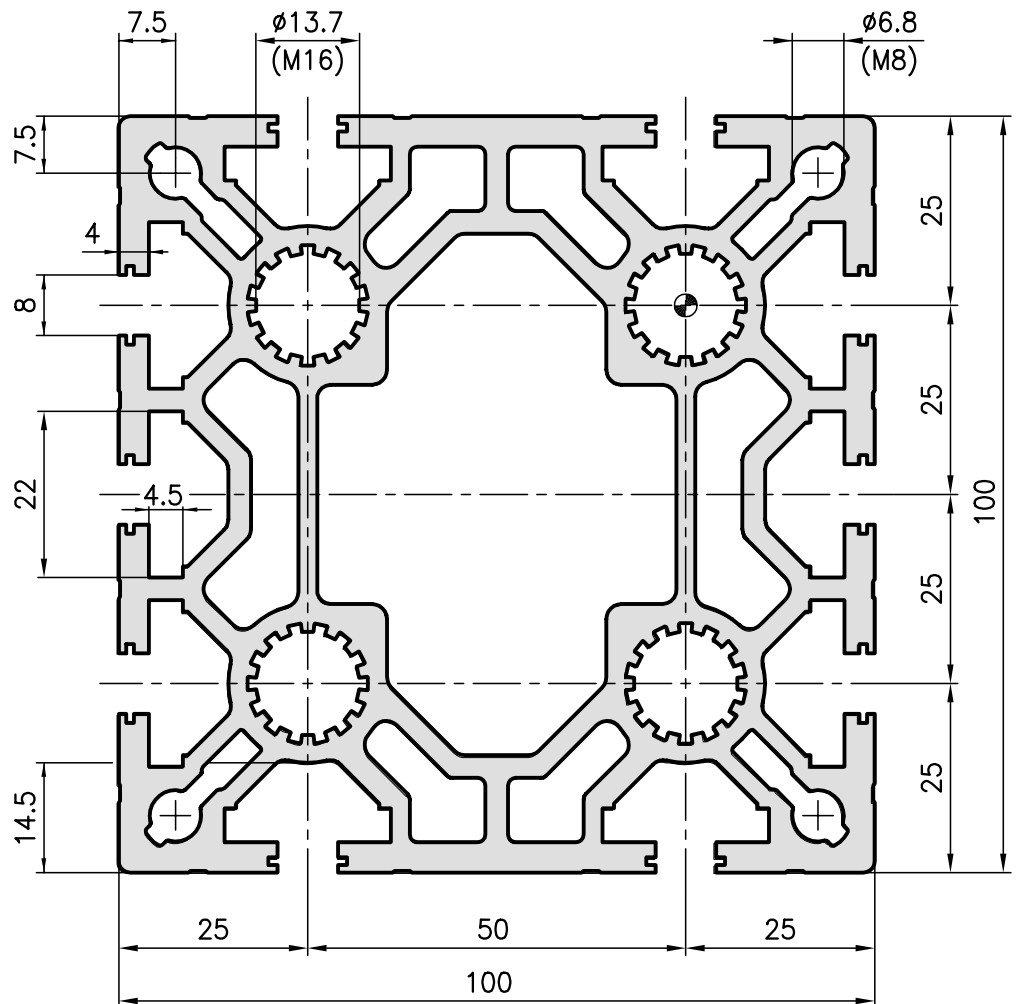
100 x 100 base extrusion	
Standard length 5000 mm	MA2-5-00/5000
Special length 6000 mm	MA2-5-01/6000
100 x 100 base extrusion	
Cut to length	MA2-5-02-02/....
Extra machining	Pages 28/29



100 x 100 heavy duty extrusion type MA1-5

Application

An extremely sturdy extrusion which is used as a support, stand or manifold. Ideal for building gantries if used in combination with the 100 x 200 heavy duty extrusion, MA1-9.



Technical data

I_x	=	380.00 cm ⁴
I_y	=	365.00 cm ⁴
W_x	=	76.00 cm ³
W_y	=	73.00 cm ³
Cross section area	=	35.19 cm ²
Weight	=	9.5 kg/m

Order data

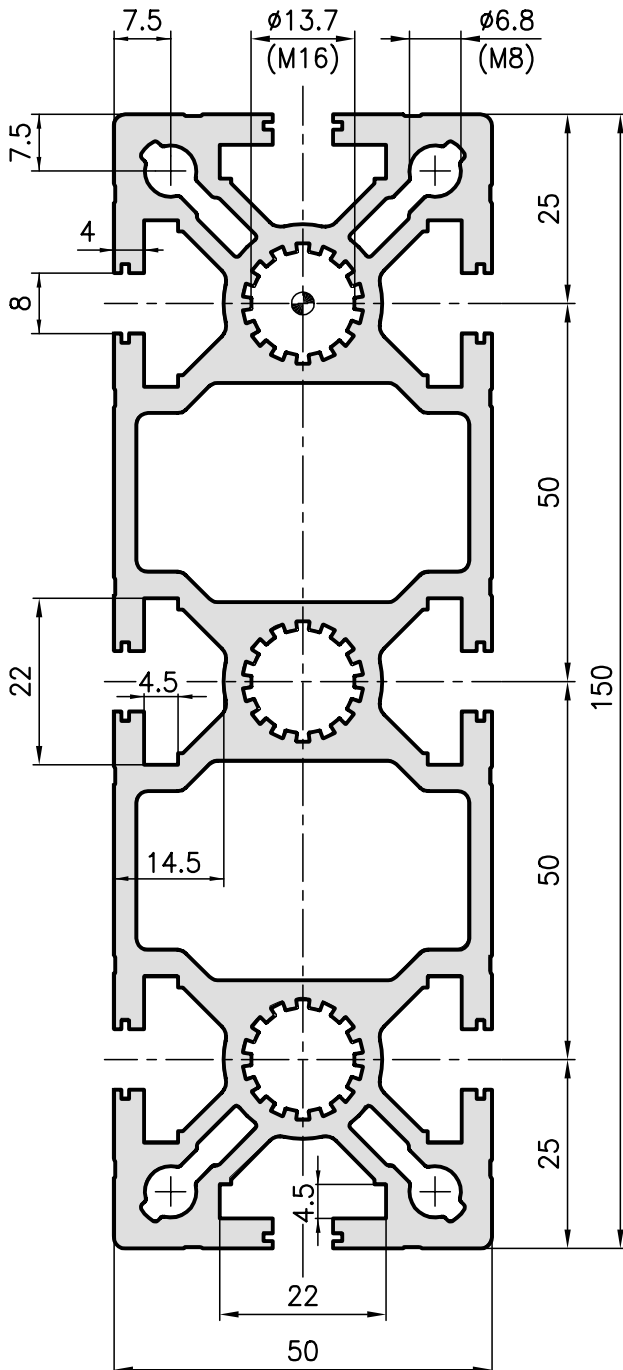
Order number

100 x 100 heavy duty extrusion	
Standard length 5000 mm	MA1-5-00/5000
Special length 6000 mm	MA1-5-01/6000

100 x 100 heavy duty extrusion	
Cut to length	MA1-5-02-02/...

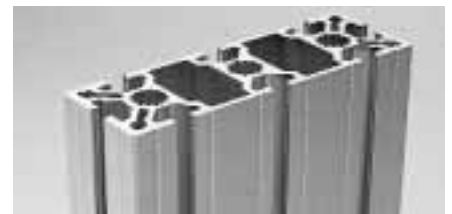
Extra machining	Pages 28/29
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50 x 150 beam extrusion type MA1-3



Application

As the name suggests, this extrusion is mainly used to support heavy loads because of its excellent load-bearing characteristics. However, it is also an effective manifold extrusion.



Technical data

I_x	= 608.31 cm ⁴
I_y	= 73.56 cm ⁴
W_x	= 81.11 cm ³
W_y	= 29.42 cm ³
Cross section area	= 26.04 cm ²
Weight	= 7.1 kg/m

Order data

Order number

50 x 150 bearing extrusion	
Standard length 5000 mm	MA1-3-00/5000
Special length 6000 mm	MA1-3-01/6000

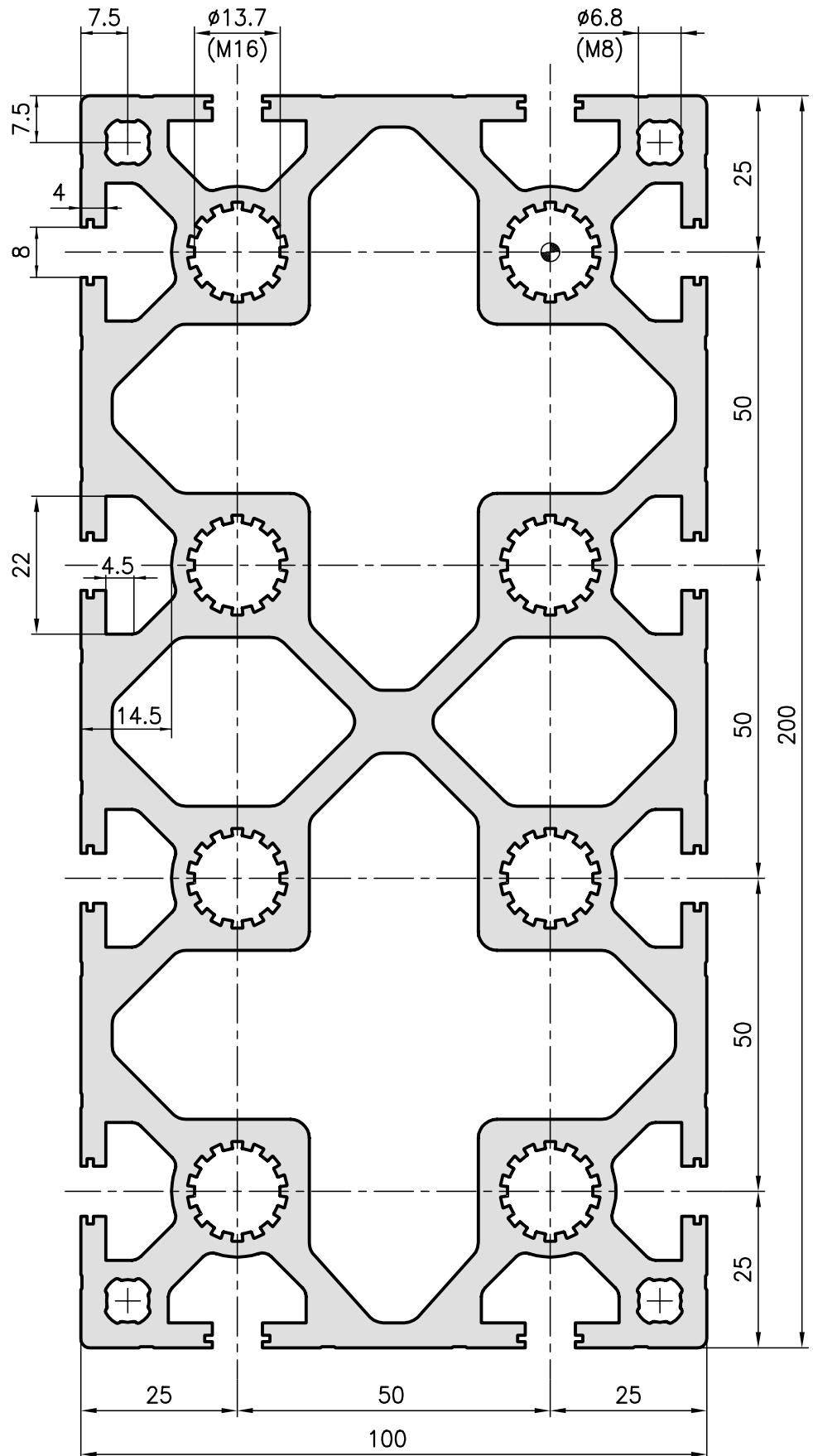
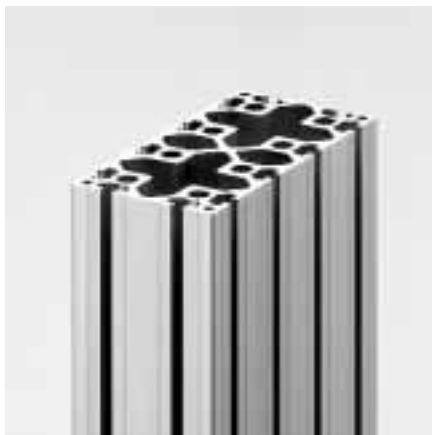
50 x 150 bearing extrusion	
Cut to length	MA1-3-02-02/...

Extra machining	Pages 28/29
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100 x 200 heavy duty extrusion type MA1-9

Application

Ideal for building gantries in which the supports are spaced well apart or for any application where very heavy loads have to be borne with minimal bending.



Technical data

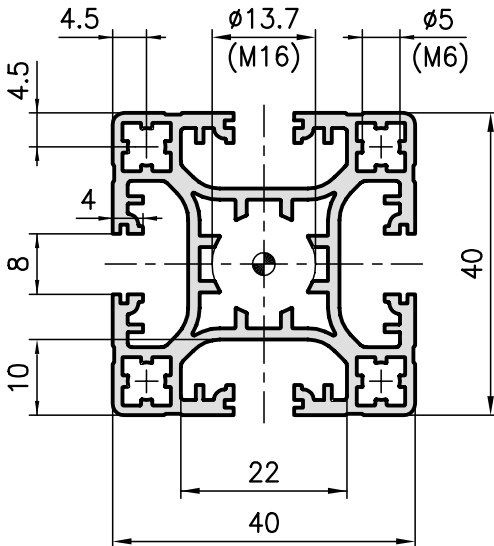
I_x	= 2442.53 cm ⁴
I_y	= 718.61 cm ⁴
W_x	= 244.25 cm ³
W_y	= 143.72 cm ³
Cross section area	= 62.90 cm ²
Weight	= 17.0 kg/m

Order data

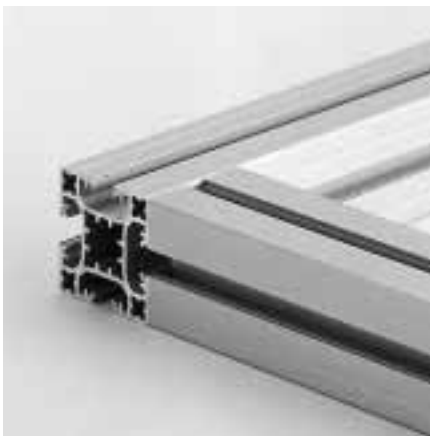
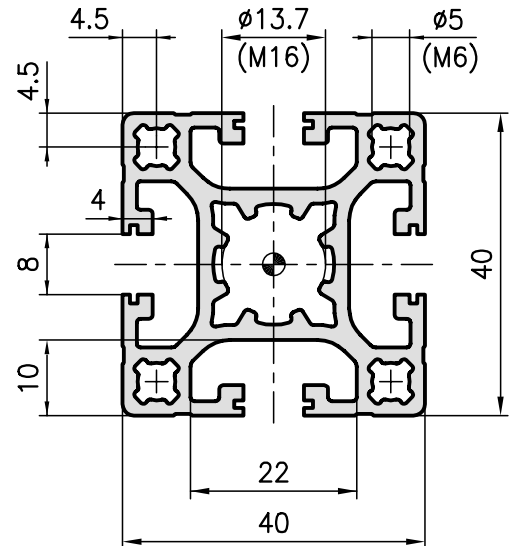
Order number

100 x 200 heavy duty extrusion	
Standard length 5000 mm	MA1-9-00/5000
Special length 6000 mm	MA1-9-01/6000
100 x 200 heavy duty extrusion	
Cut to length	MA1-9-02-02/....
Extra machining	Pages 28/29

40 x 40 super lightweight extrusion type C03-1

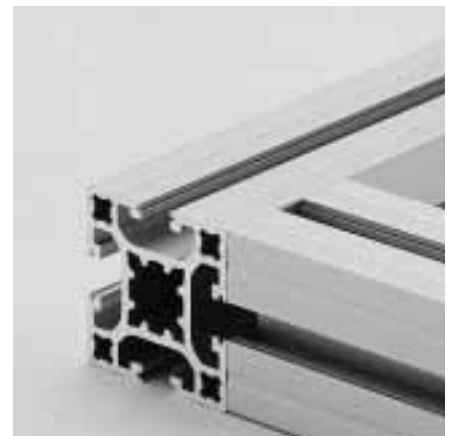


40 x 40 lightweight extrusion type C02-1



Application

These lightweight extrusions help to keep costs down! They can be used to create lightweight designs with excellent load-bearing capabilities.



Technical data

$I_{x,y}$	=	8.20 cm ⁴
$W_{x,y}$	=	4.10 cm ³
Cross section area	=	4.90 cm ²
Weight	=	1.3 kg/m

Order data Order number

40 x 40 super lightweight extrusion	
Standard length 5000 mm	C03-1-00/5000
40 x 40 super lightweight extrusion	
Cut to length	C03-1-02-02/....
Extra machining	Pages 28 / 29



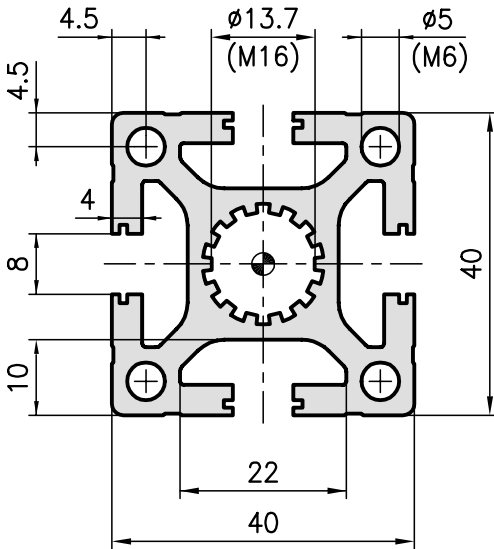
Technical data

$I_{x,y}$	=	9.35 cm ⁴
$W_{x,y}$	=	4.67 cm ³
Cross section area	=	5.70 cm ²
Weight	=	1.5 kg/m

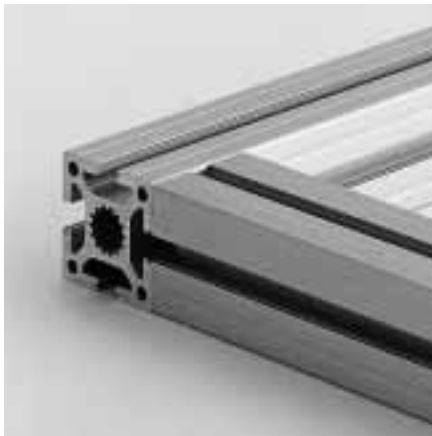
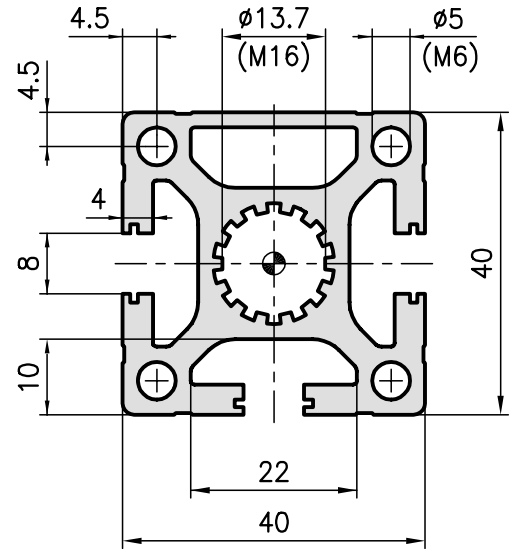
Order data Order number

40 x 40 lightweight extrusion	
Standard length 5000 mm	C02-1-00/5000
40 x 40 lightweight extrusion	
Cut to length	C02-1-02-02/....
Extra machining	Pages 28 / 29

40 x 40 base extrusion type C01-1

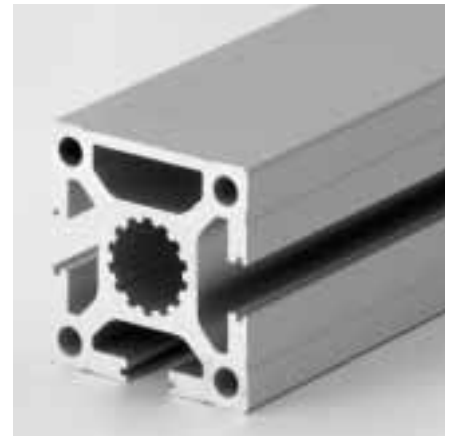


40 x 40 face extrusion type C01-8



Application

These versatile extrusions can be used for all kinds of structures. With their 40 mm base, they complement extrusions with 20, 30 and 50 mm bases perfectly. The base extrusion itself is extraordinarily sturdy and is hard to beat in terms of value for money.



Technical data

$I_{x,y}$	=	11.70 cm ⁴
$W_{x,y}$	=	5.75 cm ³
Cross section area	=	7.29 cm ²
Weight	=	2.0 kg/m

Order data Order number

40 x 40 base extrusion	
Standard length 5000 mm	C01-1-00/5000
40 x 40 base extrusion	
Cut to length	C01-1-02-02/....
Extra machining	Pages 28/29



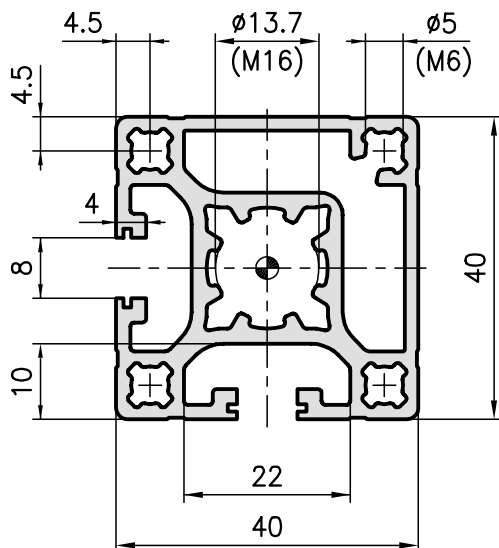
Technical data

I_x	=	11.66 cm ⁴
I_y	=	11.67 cm ⁴
W_x	=	5.78 cm ³
W_y	=	5.83 cm ³
Cross section area	=	7.30 cm ²
Weight	=	2.0 kg/m

Order data Order number

40 x 40 face extrusion	
Standard length 5000 mm	C01-8-00/5000
40 x 40 face extrusion	
Cut to length	C01-8-02-02/....
Extra machining	Pages 28/29

40 x 40 corner extrusion type C01-7



Application

Partially closed extrusions are particularly attractive in design, trap less dirt and can be used for a wide range of applications.



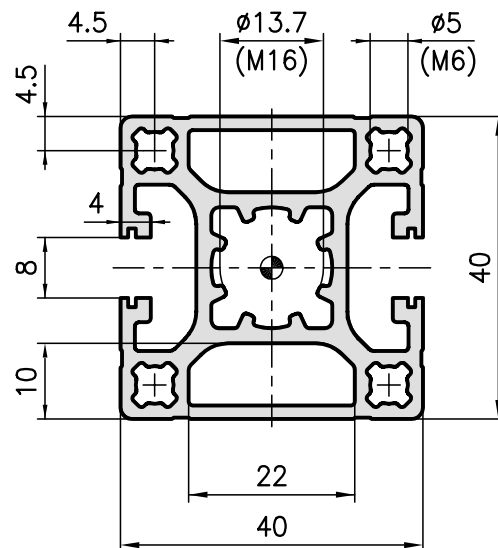
Technical data

$I_{x,y}$	=	9.21 cm ⁴
$W_{x,y}$	=	4.53 cm ³
Cross section area	=	5.56 cm ²
Weight	=	1.5 kg/m

Order data Order number

40 x 40 corner extrusion	
Standard length 5000 mm	C01-7-00/5000
40 x 40 corner extrusion	
Cut to length	C01-7-02-02/....
Extra machining	Pages 28 / 29

40 x 40 double face extrusion type C02-4



Application

For all types of enclosure, as well as for structures with extrusion faces which are mainly closed and for applications with an attractive design



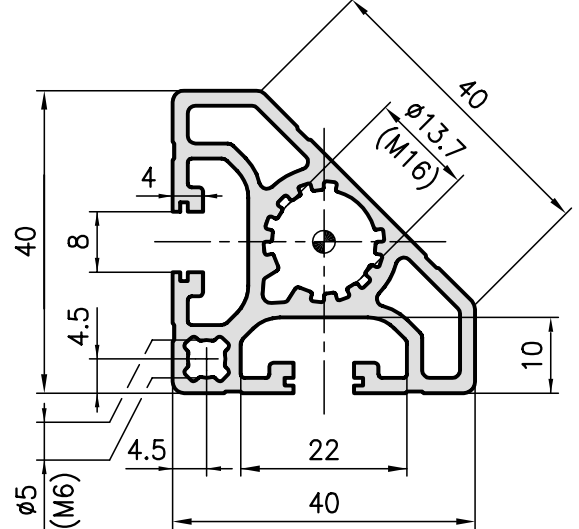
Technical data

I_x	=	9.56 cm ⁴
I_y	=	9.21 cm ⁴
W_x	=	4.78 cm ³
W_y	=	4.60 cm ³
Cross section area	=	5.69 cm ²
Weight	=	1.5 kg/m

Order data Order number

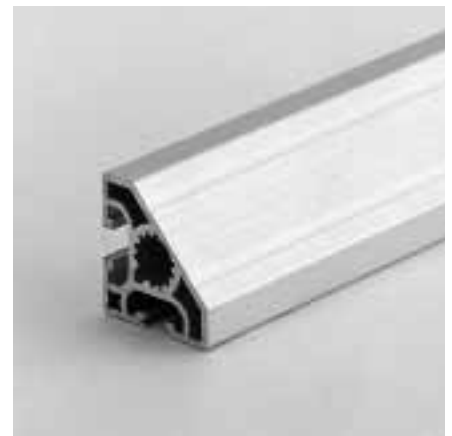
40 x 40 double face extrusion	
Standard length 5000 mm	C02-4-00/5000
40 x 40 double face extrusion	
Cut to length	C02-4-02-02/....
Extra machining	Pages 28 / 29

40 x 45° angle extrusion type C02-8



Application

The C02-8 type angle extrusion allows you to create attractive, soft contours and has the versatility to be used for all sorts of structural designs.



Technical data

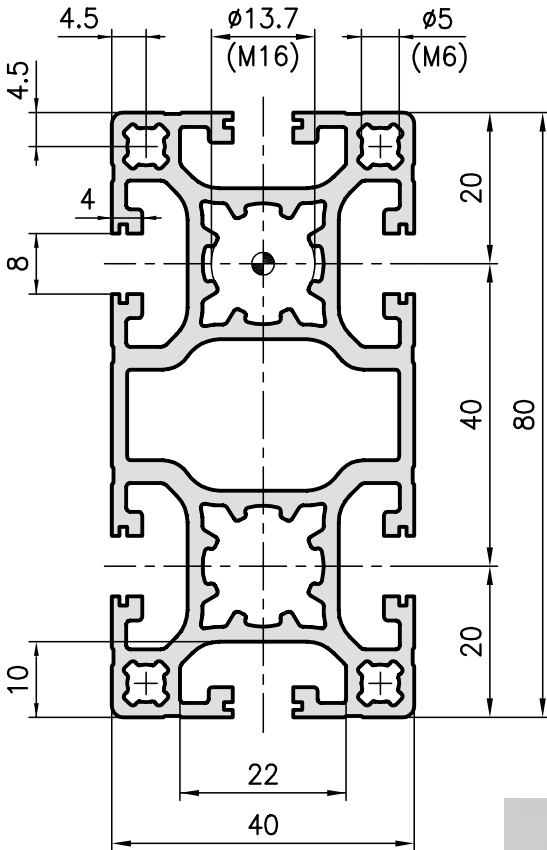
$I_{x,y}$	=	6.30 cm ⁴
$W_{x,y}$	=	2.70 cm ³
Cross section area	=	4.57 cm ²
Weight	=	1.2 kg/m

Order data

Order number

40 x 45° angle extrusion	
Standard length 5000 mm	C02-8-00/5000
40 x 45° angle extrusion	
Cut to length	C02-8-02-02/....
Extra machining	Pages 28/29

40 x 80 lightweight extrusion type C02-3

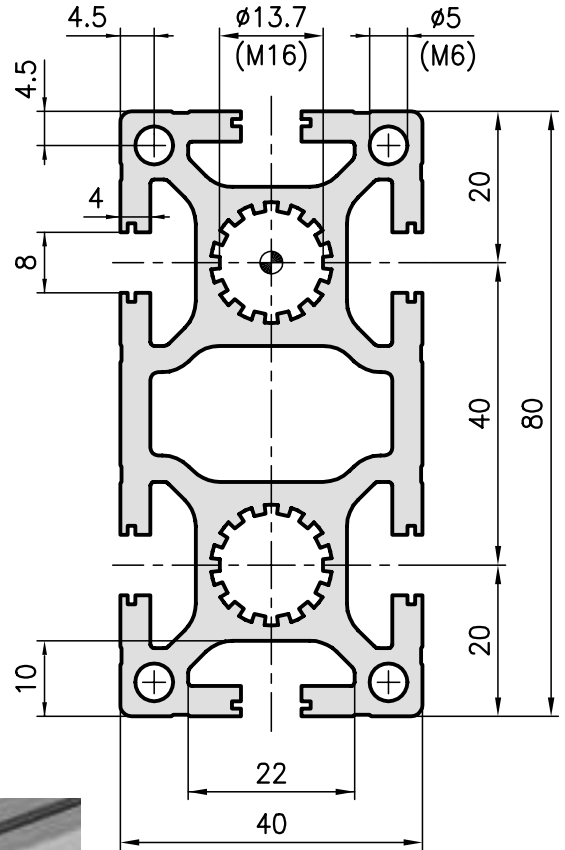


Application

These extrusions can be used to hold liquids and gases, to bear loads, to take threads and lots more. They can be the perfect solution to very specific problems. They can also be combined with 20, 30 and 50 series extrusions, which means that you genuinely can build on this design of extrusion.



40 x 80 base extrusion type C01-3



Technical data

Ix	=	64.90 cm ⁴
Iy	=	17.70 cm ⁴
Wx	=	16.23 cm ³
Wy	=	8.85 cm ³
Cross section area	=	10.20 cm ²
Weight	=	2.8 kg/m

Order data

Order number

40 x 80 lightweight extrusion	
Standard length 5000 mm	C02-3-00/5000
40 x 80 lightweight extrusion	
Cut to length	C02-3-02-02/....
Extra machining	Pages 28/29

Technical data

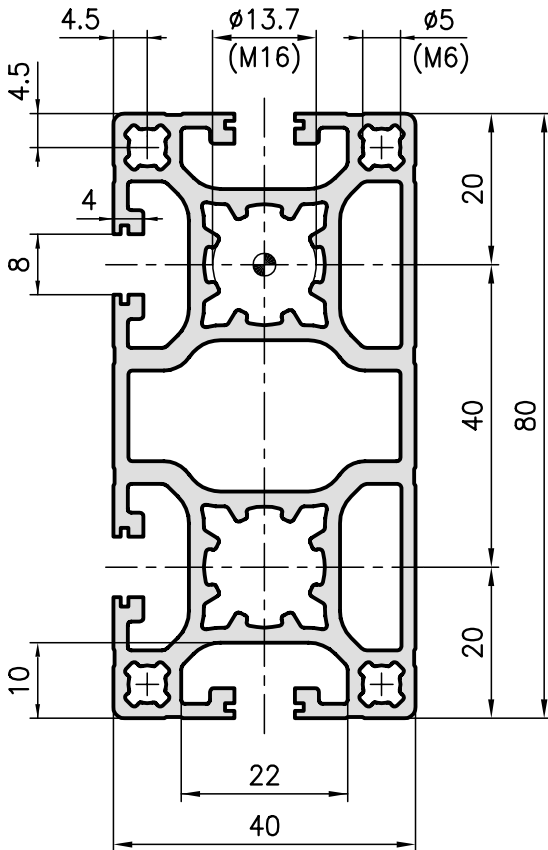
Ix	=	81.95 cm ⁴
Iy	=	22.74 cm ⁴
Wx	=	20.49 cm ³
Wy	=	11.37 cm ³
Cross section area	=	13.50 cm ²
Weight	=	3.7 kg/m

Order data

Order number

40 x 80 base extrusion	
Standard length 5000 mm	C01-3-00/5000
40 x 80 base extrusion	
Cut to length	C01-3-02-02/....
Extra machining	Pages 28/29

40 x 80 face extrusion type C01-5



Application

Like all partially closed extrusions, this item is ideal if you want to keep your structure as clean as possible.

Technical data

I_x	=	64.40 cm ⁴
I_y	=	17.20 cm ⁴
W_x	=	16.10 cm ³
W_y	=	8.60 cm ³
Cross section area	=	9.76 cm ²
Weight	=	2.6 kg/m

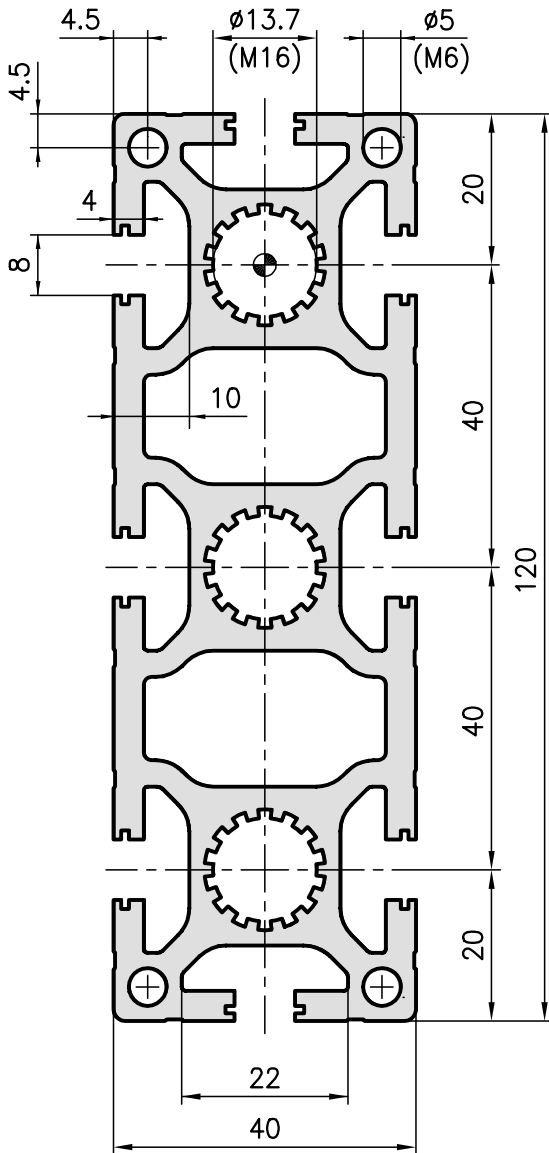
Order data

Order number

40 x 80 face extrusion	
Standard length 5000 mm	C01-5-00/5000
40 x 80 face extrusion	
Cut to length	C01-5-02-02/....
Extra machining	Pages 28/29

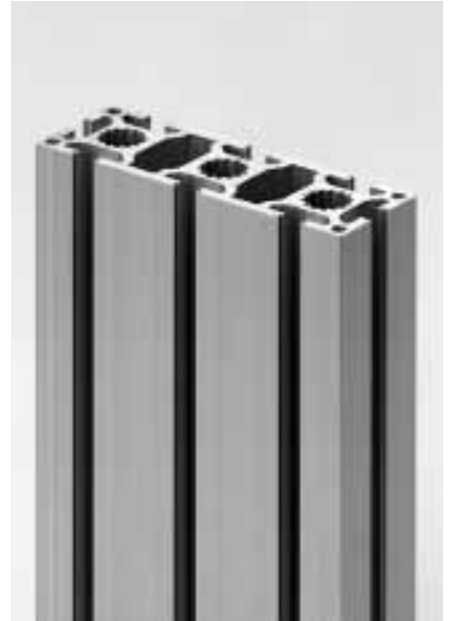


40 x 120 beam extrusion type C01-9



Application

The C01-9 extrusion has the same properties as the MA1-3 bearing extrusion (50 x 150), with slightly lower load-bearing capability.



Technical data

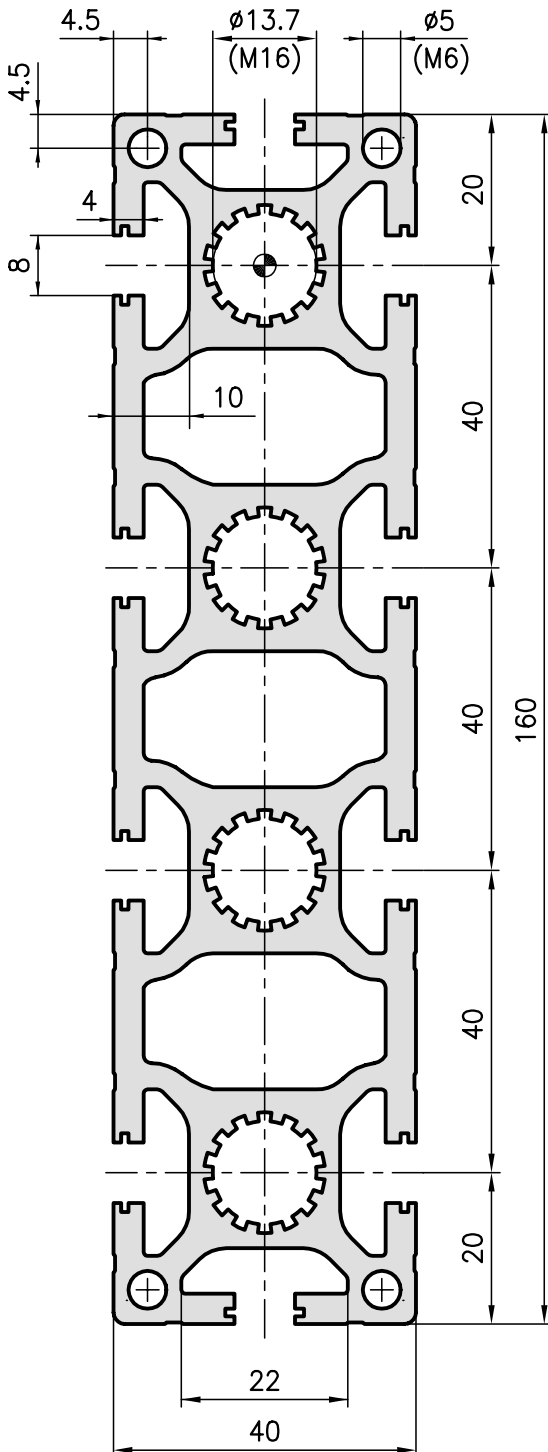
I_x	= 258.52 cm ⁴
I_y	= 33.43 cm ⁴
W_x	= 43.09 cm ³
W_y	= 16.72 cm ³
Cross section area	= 19.63 cm ²
Weight	= 5.3 kg/m

Order data

Order number

40 x 120 bearing extrusion	
Standard length 5000 mm	C01-9-00/5000
Special length 6000 mm	C01-9-01/6000
40 x 120 bearing extrusion	
Cut to length	C01-9-02-02/....
Extra machining	Pages 28/29

40 x 160 beam extrusion type C02-9



Application

This versatile extrusion is particularly useful for structures which are subjected to heavy loads and which span large widths. It can also be used as a multiple supply line for a variety of media.



Technical data

I_x	= 592.79 cm ⁴
I_y	= 44.36 cm ⁴
W_x	= 74.09 cm ³
W_y	= 22.18 cm ³
Cross section area	= 25.83 cm ²
Weight	= 7.0 kg/m

Order data

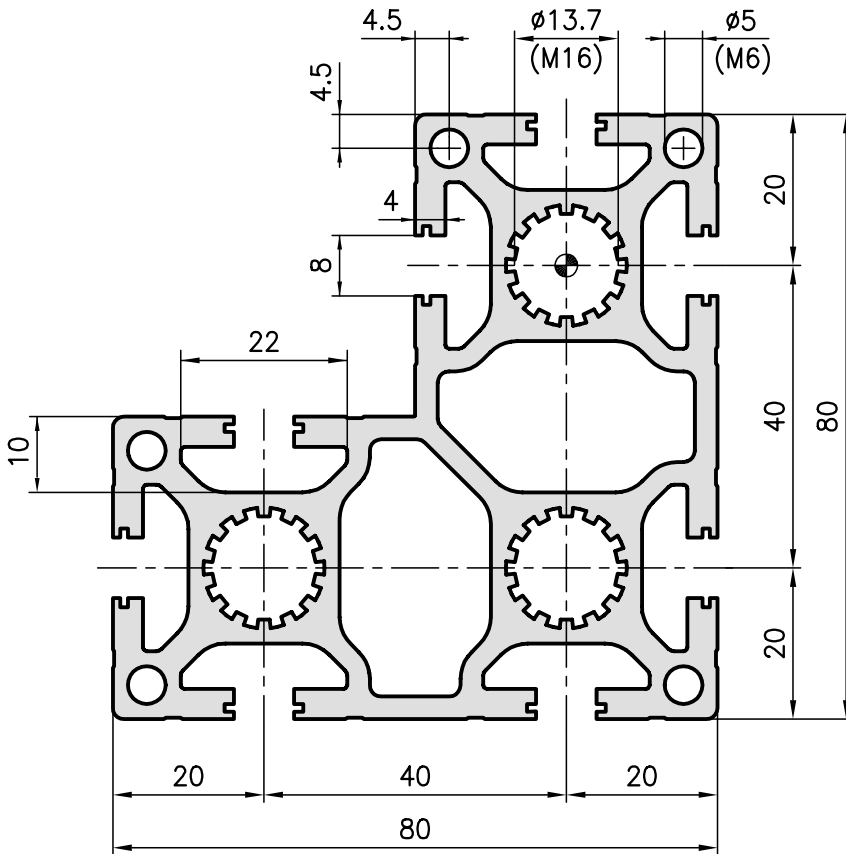
Order number

40 x 160 bearing extrusion	
Standard length 5000 mm	C02-9-00/5000
Special length 6000 mm	C02-9-01/6000

40 x 160 bearing extrusion	
Cut to length	C02-9-02-02/....

Extra machining	Pages 28/29
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80 x 80 x 40 L-shaped extrusion type C01-6



Technical data

$I_{x,y}$	= 109.18 cm ⁴
$W_{x,y}$	= 23.56 cm ³
Cross section area	= 19.59 cm ²
Weight	= 5.3 kg/m

Application

For machine and apparatus frames which have to hold heavy weights and which require strong corner components. They will also be compact and inexpensive.

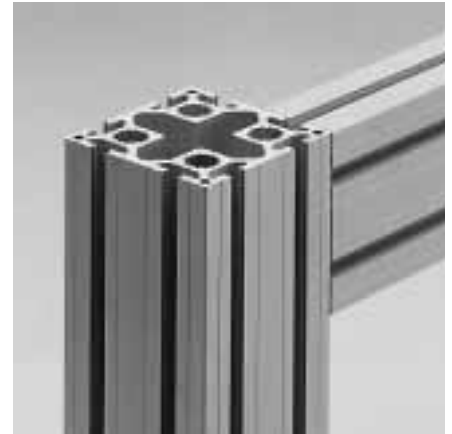
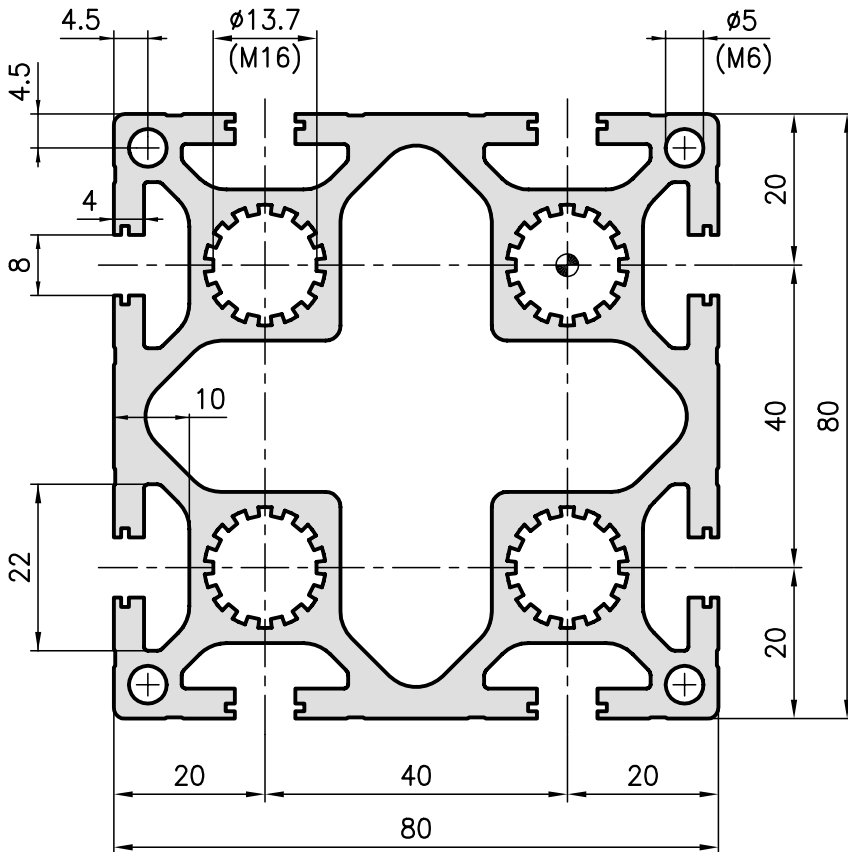
Order data

Order number

80 x 80 x 40 angle extrusion	
Standard length 5000 mm	C01-6-00/5000
80 x 80 x 40 angle extrusion	
Cut to length	C01-6-02-02/...
Extra machining	Pages 28/29



80 x 80 base extrusion type C01-4



Application

This is mainly used as a support, although it can also be used as a cross-beam where higher loads are involved. It is, of course, also ideal as a reservoir for liquids or gases. The large cavity can also be used effectively for holding load balancing weights. This extrusion is perfect for innovative designers.

Technical data

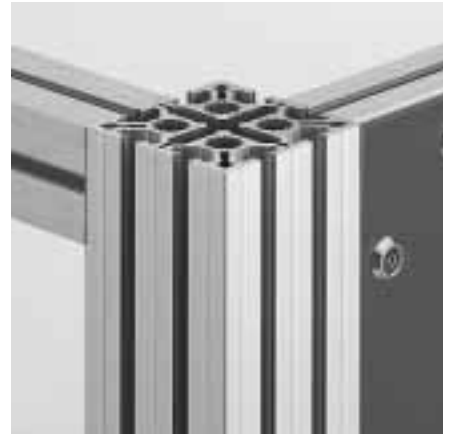
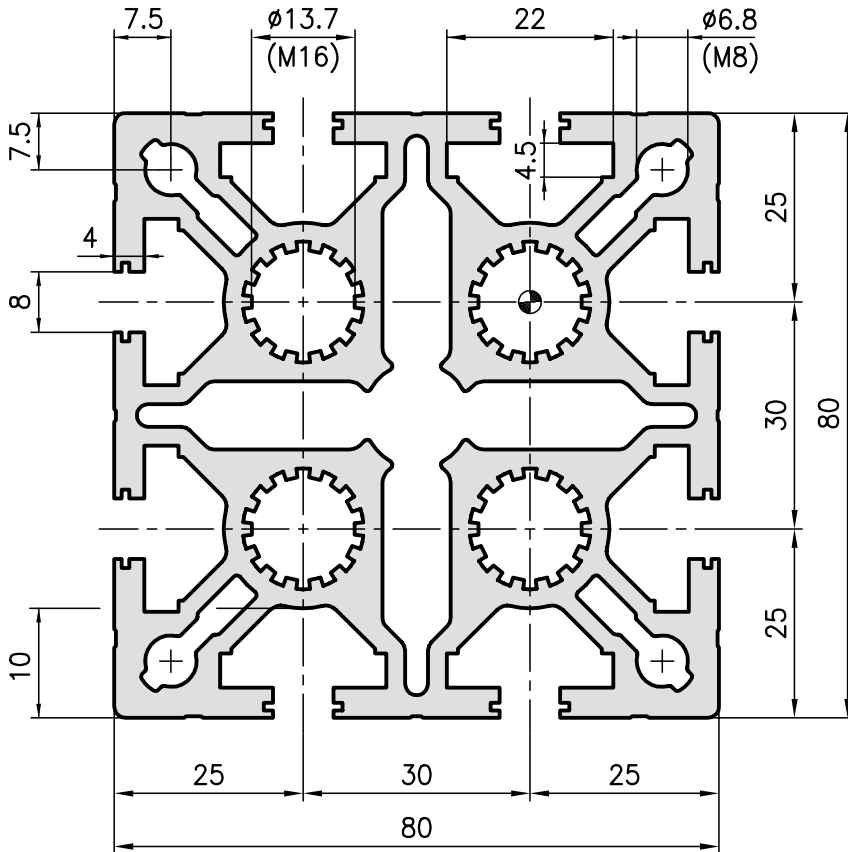
$I_{x,y}$	= 154.70 cm ⁴
$W_{x,y}$	= 38.68 cm ³
Cross section area	= 22.10 cm ²
Weight	= 6.0 kg/m

Order data

Order data	Order number
80 x 80 base extrusion	
Standard length 5000 mm	C01-4-00/5000
Special length 6000 mm	C01-4-01/6000
80 x 80 base extrusion	
Cut to length	C01-4-02-02/...
Extra machining	Pages 28/29



80 x 80 heavy duty extrusion type C01-2



Technical data

$I_{x,y}$	= 157.70 cm ⁴
$W_{x,y}$	= 39.40 cm ³
Cross section area	= 25.02 cm ²
Weight	= 6.8 kg/m

Order data

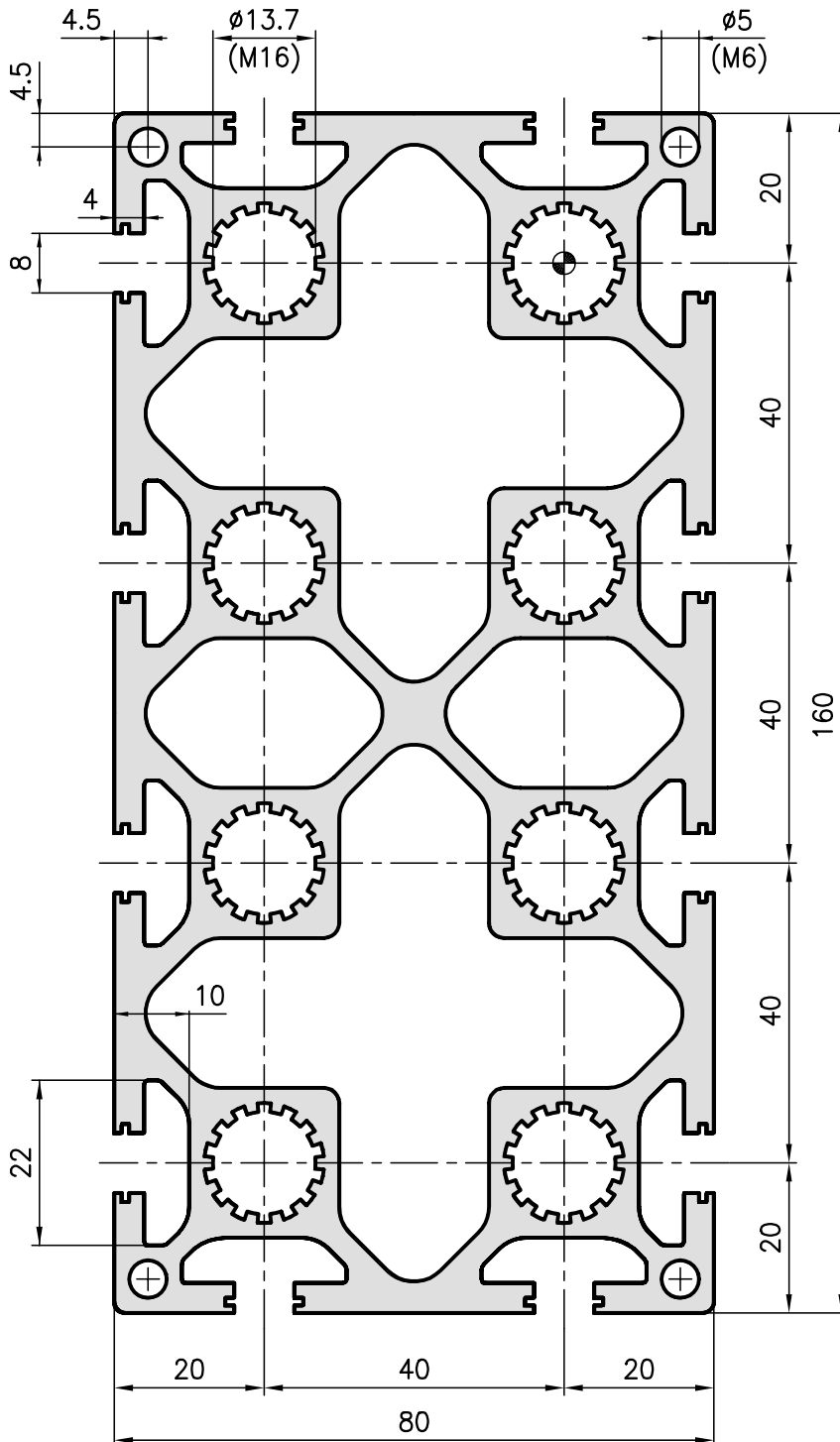
Order number

80 x 80 heavy duty extrusion	
Standard length 5000 mm	C01-2-00/5000
80 x 80 heavy duty extrusion	
Cut to length	C01-2-02-02/...
Extra machining	Pages 28/29

Application

This is a very special extrusion because the slot-spacing is designed to fit extrusions with a **base of 50**. However, it also offers very obvious advantages when it is used in combination with extrusions with a base of 40 of securing enclosure panels in place. The panels can be attached directly to the frame structure without protruding out because they are set back 5 mm.

80 x 160 heavy duty extrusion type MC1-9



Application

This high strength extrusion is used for the construction of gantries and for structures which have to support a heavy load or which have long unsupported sections.

Technical data

I_x	= 1018.98 cm ⁴
I_y	= 296.53 cm ⁴
W_x	= 112.37 cm ³
W_y	= 74.13 cm ³
Cross section area	= 40.82 cm ²
Weight	= 11.0 kg/m

Order data

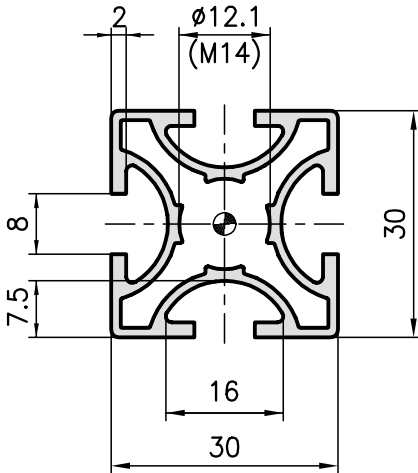
Order number

80 x 160 heavy duty extrusion	
Standard length 5000 mm	MC1-9-00/5000
Special length 6000 mm	MC1-9-01/6000

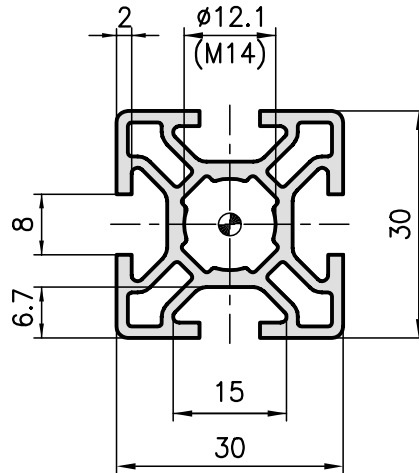
80 x 160 heavy duty extrusion	
Cut to length	MC1-9-02-02/...

Extra machining	Pages 28/29
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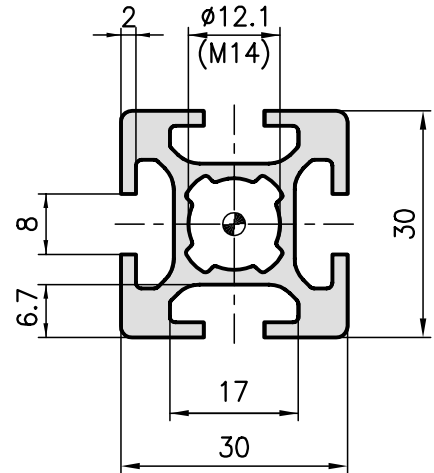
30 x 30 super lightweight extrusion type B03-1



30 x 30 lightweight extrusion type B02-1



30 x 30 heavy duty extrusion type MB1-1



Application

These extrusions, which are lightweight and inexpensive, are nonetheless very sturdy and are versatile solutions for simpler structural designs. Outer casings, safety guards, laboratory rigs and smaller frameworks are all easy to construct using them.

PVS connectors fit into the centre 12 mm diameter bore, which can also be tapped M14 for B33-20/-26-/-28 type threaded inserts.

Application

The counterpart to the lightweight profile. It gives the designer plenty of scope for designing trolleys, machine frames and load-bearing structures, etc.



Technical data

$I_{x,y}$	=	2.63 cm ⁴
$W_{x,y}$	=	1.76 cm ³
Cross section area	=	2.62 cm ²
Weight	=	0.7 kg/m

Technical data

$I_{x,y}$	=	2.95 cm ⁴
$W_{x,y}$	=	1.97 cm ³
Cross section area	=	3.27 cm ²
Weight	=	0.9 kg/m

Technical data

$I_{x,y}$	=	3.77 cm ⁴
$W_{x,y}$	=	2.51 cm ³
Cross section area	=	4.10 cm ²
Weight	=	1.1 kg/m

Order data

Order number

30 x 30 super lightweight extrusion
Standard length 5000 mm B03-1-00/5000

30 x 30 super lightweight extrusion
Cut to length B03-1-02-02/ ...

Extra machining Pages 28/29

Order data

Order number

30 x 30 lightweight extrusion
Standard length 5000 mm B02-1-00/5000

30 x 30 lightweight extrusion
Cut to length B02-1-02-02/ ...

Extra machining Pages 28/29

Order data

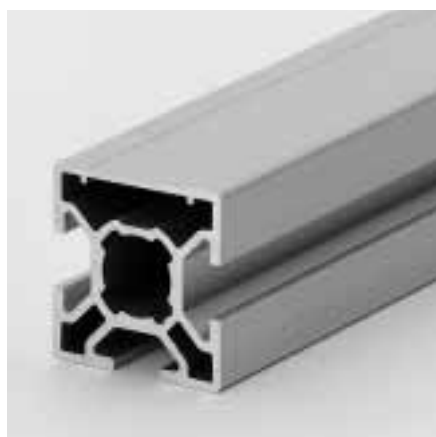
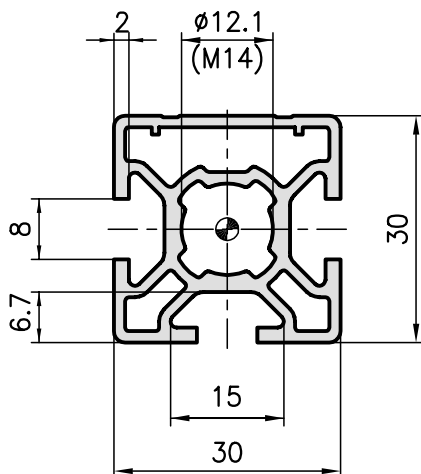
Order number

30 x 30 heavy duty extrusion
Standard length 5000 mm MB1-1-00/5000

30 x 30 heavy duty extrusion
Cut to length MB1-1-02-02/ ...

Extra machining Pages 28/29

30 x 30 face extrusion type B03-2



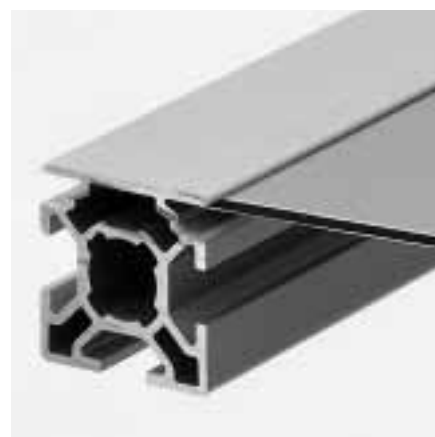
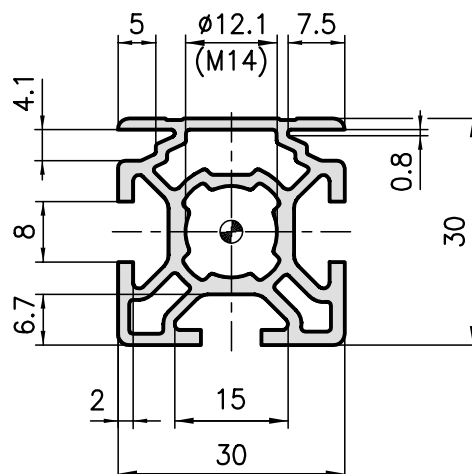
Technical data

I_x	=	2.85 cm ⁴
I_y	=	2.83 cm ⁴
W_x	=	1.90 cm ³
W_y	=	1.83 cm ³
Cross section area	=	3.10 cm ²
Weight	=	0.8 kg/m

Order data Order number

30 x 30 face extrusion	
Standard length 5000 mm	B03-2-00/5000
30 x 30 face extrusion	
Cut to length	B03-2-02-02/
Extra machining	Pages 28/29

30 x 30 face extrusion with panel slots type B02-2



Application

For lightweight machine frames, protective guards, safety fencing, etc. Metal paneling sheets, as well as composite panels, acrylic glass panels and all-plastic panels up to 4 mm in thickness can be fixed in place into the panel slots on the face extrusions.



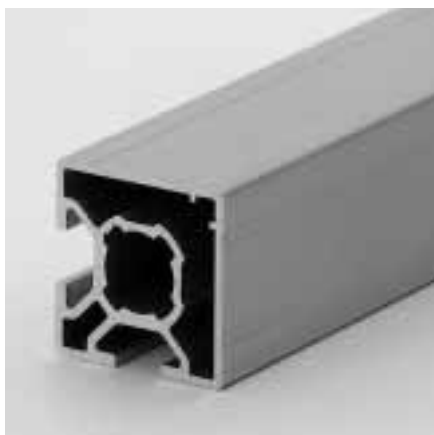
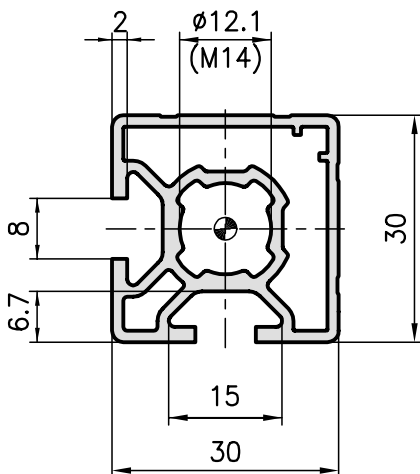
Technical data

I_x	=	2.93 cm ⁴
I_y	=	2.76 cm ⁴
W_x	=	1.93 cm ³
W_y	=	1.84 cm ³
Cross section area	=	3.18 cm ²
Weight	=	0.9 kg/m

Order data Order number

30 x 30 face enclosure extrusion	
Standard length 5000 mm	B02-2-00/5000
30 x 30 face enclosure extrusion	
Cut to length	B02-2-02-02/
Extra machining	Pages 28/29

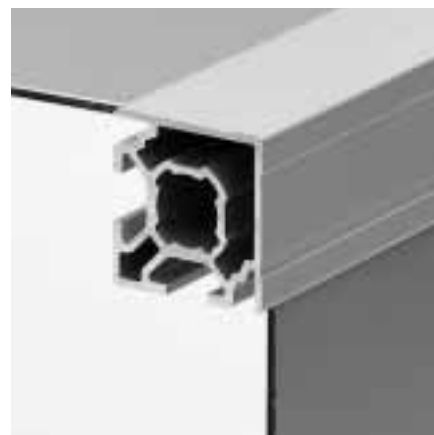
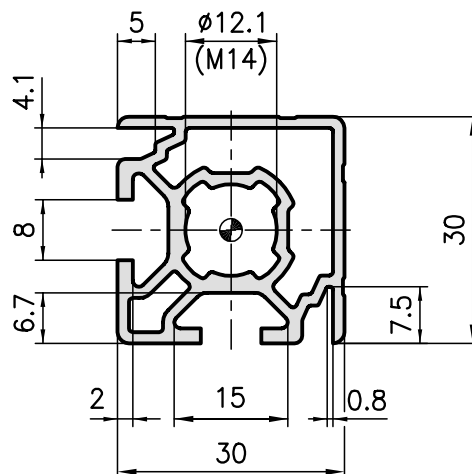
30 x 30 corner extrusion type B02-3



Application

Workstation design, enclosures, apparatus trolleys and more lightweight structures. This corner profile looks extremely compact because it is closed on two sides and is the natural choice in any application where only two slots are required for joining components together. Metal and/or composite panels are easy to fit as enclosure elements thanks to the additional panel slots.

30 x 30 corner extrusion with panel slots type B01-3



Technical data

$I_{x,y}$	=	2.70 cm ⁴
$W_{x,y}$	=	1.75 cm ³
Cross section area	=	2.95 cm ²
Weight	=	0.8 kg/m

Order data Order number

30 x 30 corner extrusion	
Standard length 5000 mm	B02-3-00/5000
30 x 30 corner extrusion	
Cut to length	B02-3-02-02/
Extra machining	Pages 28/29



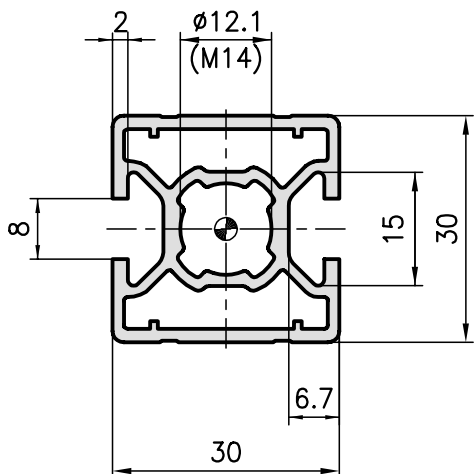
Technical data

$I_{x,y}$	=	2.70 cm ⁴
$W_{x,y}$	=	1.75 cm ³
Cross section area	=	2.98 cm ²
Weight	=	0.8 kg/m

Order data Order number

30 x 30 corner enclosure extrusion	
Standard length 5000 mm	B01-3-00/5000
30 x 30 corner enclosure extrusion	
Cut to length	B01-3-02-02/
Extra machining	Pages 28/29

30 x 30 double face extrusion type B02-4



Application

For all types of enclosure, as well as for structures with extrusion faces which are mainly closed and for applications with an attractive design



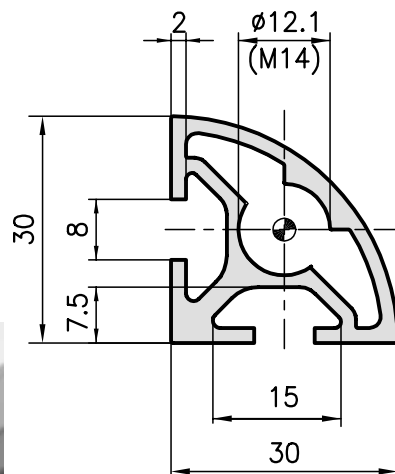
Technical data

I_x	=	2.73 cm ⁴
I_y	=	2.74 cm ⁴
W_x	=	1.82 cm ³
W_y	=	1.83 cm ³
Cross section area	=	2.91 cm ²
Weight	=	0.8 kg/m

Order data Order number

30 x 30 double face extrusion	
Standard length 5000 mm	B02-4-00/5000
30 x 30 double face extrusion	
Cut to length	B02-4-02-02/
Extra machining	Pages 28/29

30 x 30 softline extrusion type B01-8



Application

This extrusion is used to build furniture, display cases and other objects without obtrusive sharp edges.



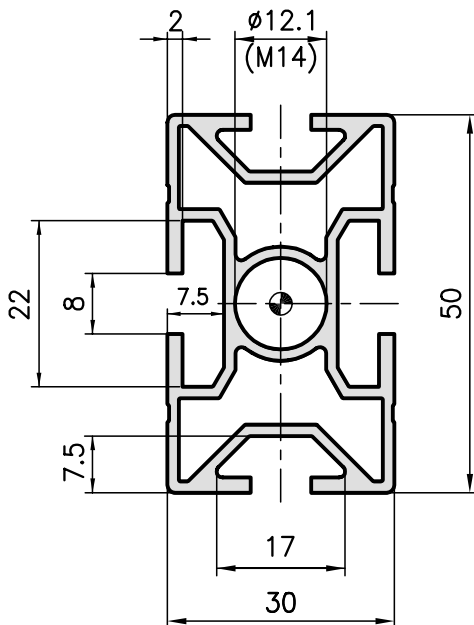
Technical data

$I_{x,y}$	=	2.57 cm ⁴
$W_{x,y}$	=	2.02 cm ³
Cross section area	=	2.91 cm ²
Weight	=	0.8 kg/m

Order data Order number

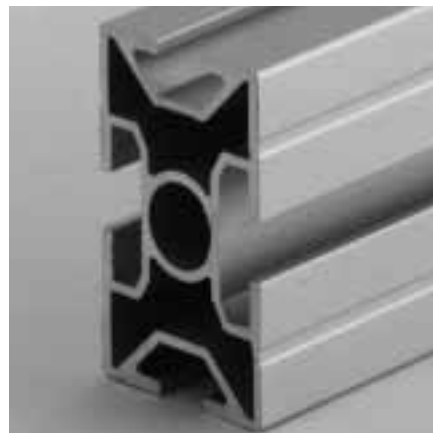
30 x 30 softline extrusion	
Standard length 5000 mm	B01-8-00/5000
30 x 30 softline extrusion	
Cut to length	B01-8-02-02/
Extra machining	Pages 28/29

30 x 50 base extrusion type B01-9



Application

Used for all types of structures, base frames, trolleys, conveyor belts, etc. Versatile and easy to use in conjunction with extrusions with bases of 30, 40 or 50 mm. This extrusion is sturdy and strong, despite using little aluminium.



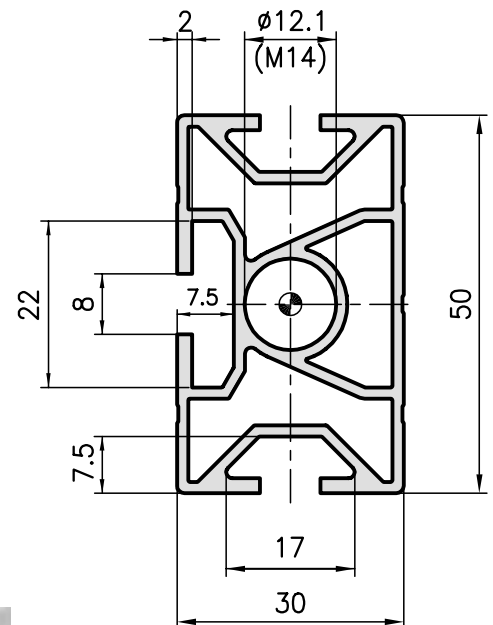
Technical data

I _x	=	10.94 cm ⁴
I _y	=	4.33 cm ⁴
W _x	=	4.38 cm ³
W _y	=	2.90 cm ³
Cross section area	=	4.34 cm ²
Weight	=	1.2 kg/m

Order data Order number

30 x 50 base extrusion	
Standard length 5000 mm	B01-9-00/5000
30 x 50 base extrusion	
Cut to length	B01-9-02-02/ ...
Extra machining	Pages 28/29

30 x 50 face extrusion type MB2-9



Application

Ideal for any application which requires an attractive design and structural stability. This is another versatile extrusion which can be used for tackling a wide range of different problems.



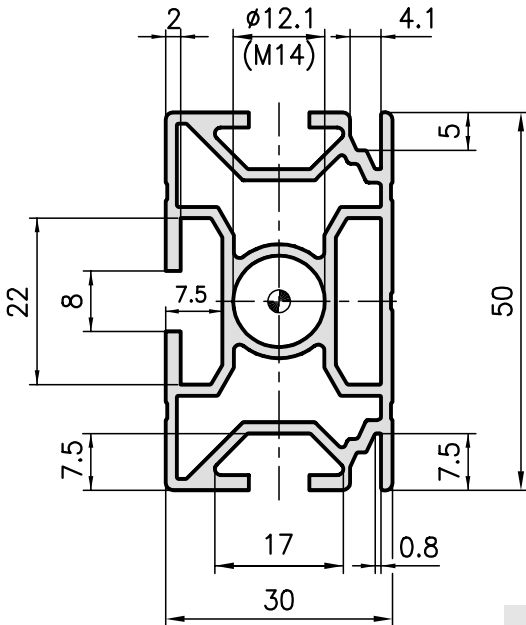
Technical data

I _x	=	11.30 cm ⁴
I _y	=	4.55 cm ⁴
W _x	=	4.52 cm ³
W _y	=	3.03 cm ³
Cross section area	=	4.52 cm ²
Weight	=	1.3 kg/m

Order data Order number

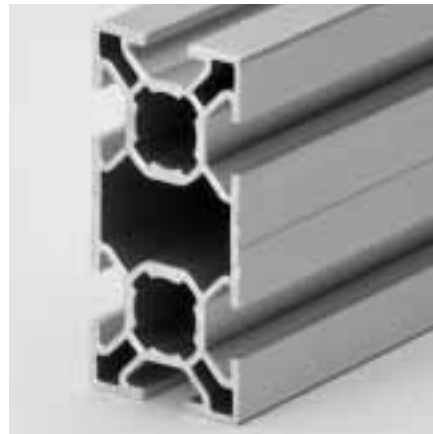
30 x 50 face extrusion	
Standard length 5000 mm	MB2-9-00/5000
30 x 50 face extrusion	
Cut to length	MB2-9-02-02/ ...
Extra machining	Pages 28/29

30 x 50 face extrusion with panel slots type MB1-9



Application

The narrow slots hold panels measuring up to 4 mm in thickness securely and firmly in place. Therefore, this extrusion is ideal in any application where covers and cladding of various types are being fitted.



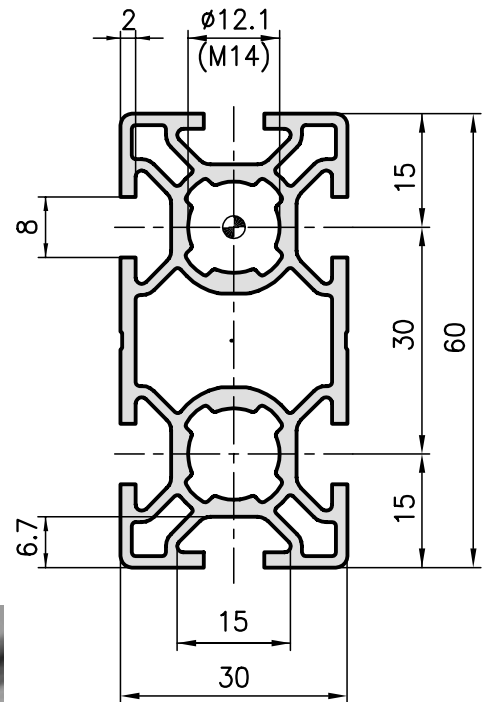
Technical data

I_x	=	11.25 cm ⁴
I_y	=	4.84 cm ⁴
W_x	=	4.50 cm ³
W_y	=	3.23 cm ³
Cross section area	=	5.00 cm ²
Weight	=	1.3 kg/m

Order data Order number

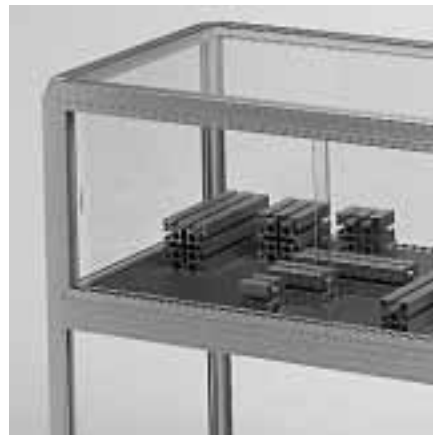
30 x 50 face enclosure extrusion	
Standard length 5000 mm	MB1-9-00/5000
30 x 50 face enclosure extrusion	
Cut to length	MB1-9-02-02/
Extra machining	Pages 28/29

30 x 60 base extrusion type B01-6



Application

Ideally suited for use as a cross-beam or for building lightweight conveyor belts. A versatile extrusion for many applications.



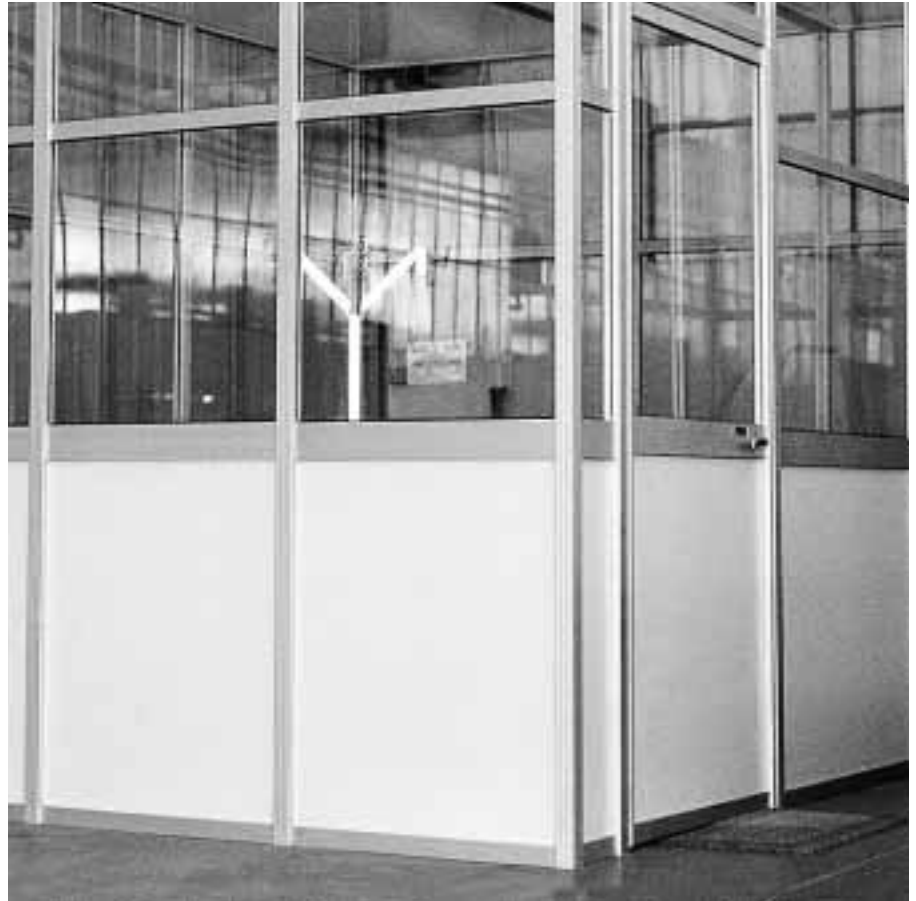
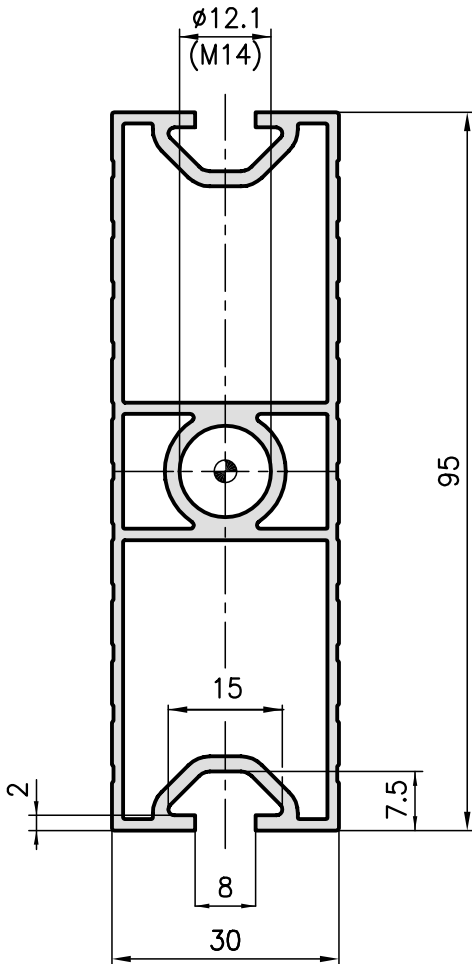
Technical data

I_x	=	20.52 cm ⁴
I_y	=	5.20 cm ⁴
W_x	=	6.84 cm ³
W_y	=	3.47 cm ³
Cross section area	=	5.47 cm ²
Weight	=	1.5 kg/m

Order data Order number

30 x 60 base extrusion	
Standard length 5000 mm	B01-6-00/5000
30 x 60 base extrusion	
Cut to length	B01-6-02-02/
Extra machining	Pages 28/29

30 x 95 box frame extrusion type B01-7



Technical data

I_x	=	55.99 cm ⁴
I_y	=	7.94 cm ⁴
W_x	=	11.79 cm ³
W_y	=	5.29 cm ³
Cross section area	=	6.54 cm ²
Weight	=	1.8 kg/m

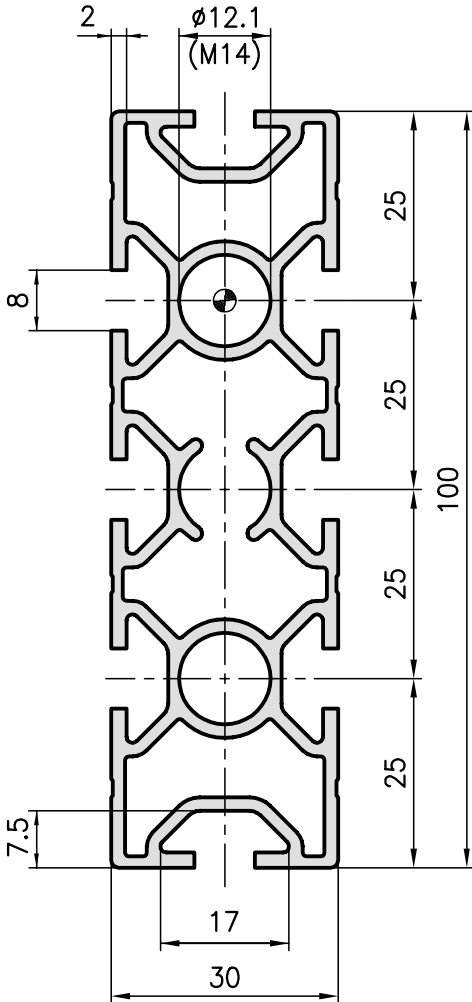
Order data Order number

30 x 95 box frame extrusion	
Standard length 5850 mm	B01-7-00/5850
30 x 95 box frame extrusion	
Cut to length	B01-7-02-02/
Extra machining	Pages 28/29

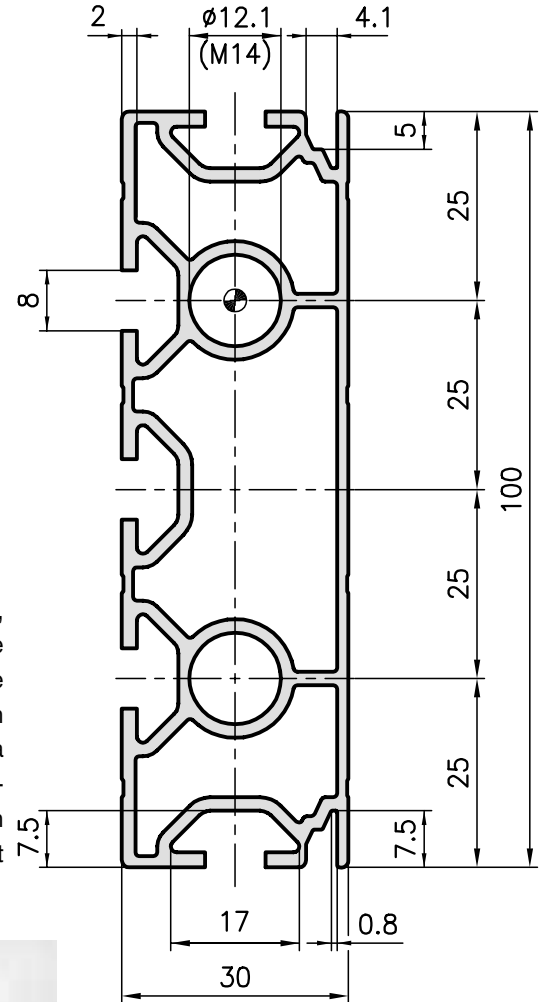
Application

The box frame extrusion is used almost exclusively in exhibition stands and shop fittings. It is extremely sturdy and hard-wearing.

30 x 100 base extrusion type MB1-2



30 x 100 face extrusion with panel slots type B01-2



Application

For cross-beams on base frames, conveyor belts, trolleys or for large areas of panelling. This versatile extrusion can also be used in combination with extrusions with a base of 40 or 50 mm. A light-weight, sturdy extrusion which can be connected in many different configurations.



Technical data

I_x	=	80.77 cm ⁴
I_y	=	8.95 cm ⁴
W_x	=	16.15 cm ³
W_y	=	5.97 cm ³
Cross section area	=	8.59 cm ²
Weight	=	2.3 kg/m

Order data Order number

30 x 100 base extrusion	
Standard length 5000 mm	MB1-2-00/5000
30 x 100 base extrusion	
auf Länge zugeschnitten	MB1-2-02-02/ ...
Extra machining	Pages 28/29

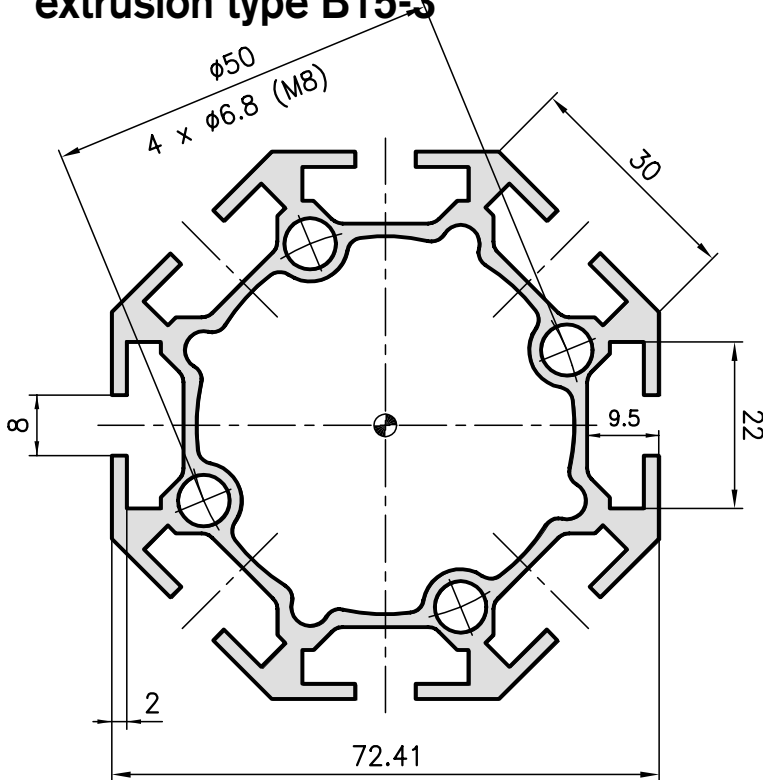
Technical data

I_x	=	77.86 cm ⁴
I_y	=	8.79 cm ⁴
W_x	=	15.57 cm ³
W_y	=	5.72 cm ³
Cross section area	=	7.72 cm ²
Weight	=	2.1 kg/m

Order data Order number

30 x 100 face enclosure extrusion	
Standard length 5000 mm	B01-2-00/5000
30 x 100 face enclosure extrusion	
auf Länge zugeschnitten	B01-2-02-02/ ...
Extra machining	Pages 28/29

30 mm base octagonal extrusion type B15-3



Application

Ideal for large, heavy duty machine enclosures in a round design, and as an axial extrusion for rotating structures. It can also have base plates bolted on and be used as a support extrusion.

Technical data

$I_{x,y}$	= 51.01 cm ⁴
$W_{x,y}$	= 14.09 cm ³
Cross section area	= 10.30 cm ²
Weight	= 2.8 kg/m

Order data Order number

30 mm base octagonal extrusion	
Standard length 5000 mm	B15-3-00/5000
30 mm base octagonal extrusion	
Cut to length	B15-3-02-02/
Extra machining	Pages 28 / 29



30 x 300 face extrusion type B03-3

Application

Positioned on its edge, this extrusion can be used as a cross-beam to support heavy loads. However, it can also be used as a bed plate or as a superior panel.

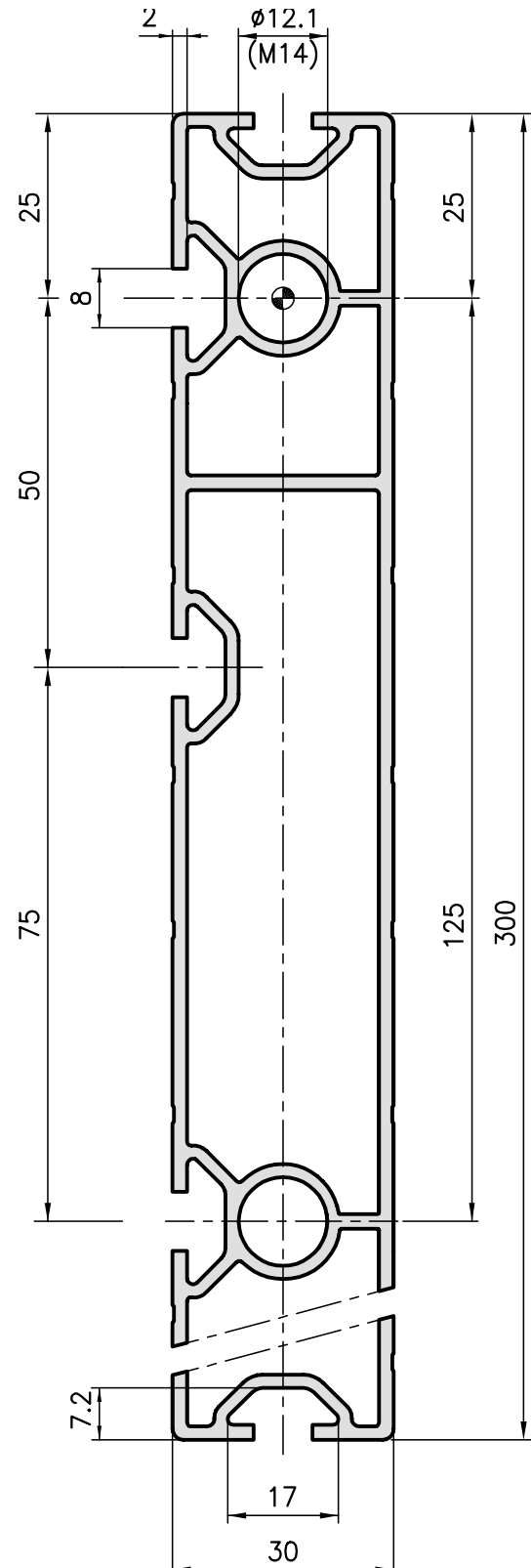


Technical data

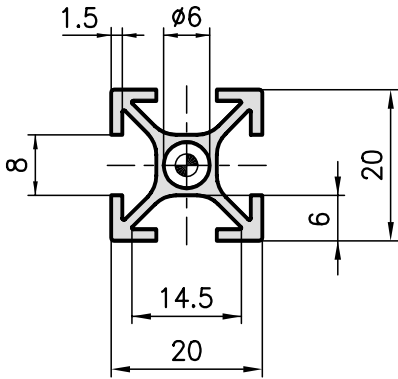
I_x	= 1755.64 cm ⁴
I_y	= 26.06 cm ⁴
W_x	= 117.04 cm ³
W_y	= 17.30 cm ³
Cross section area	= 18.74 cm ²
Weight	= 5.10 kg/m

Order data

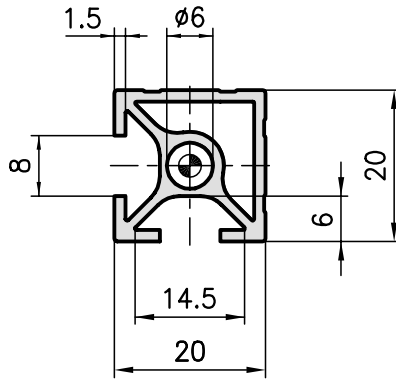
Order data	Order number
30 x 300 face extrusion Standard length 5000 mm	B03-3-00/5000
30 x 300 face extrusion Cut to length	B03-3-02-02/
Extra machining	Pages 28 / 29



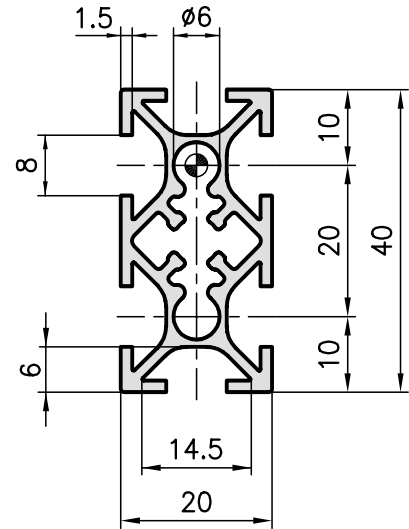
20 x 20 base extrusion type D01-5



20 x 20 corner extrusion type D01-3

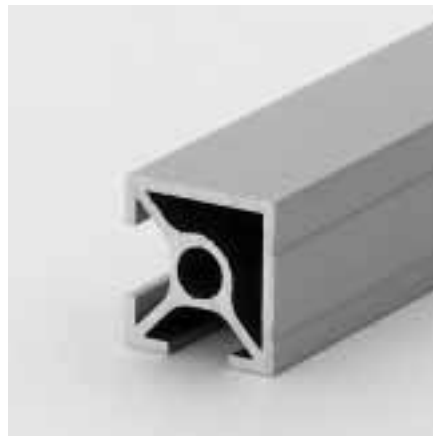


20 x 40 base extrusion type D01-7



Application

Due to its relatively low weight and strength properties, this can only be used for small loads, such as limit switch fixtures, latticework frames, small display cases, etc.



Technical data

$I_{x,y}$	=	0.60 cm ⁴
$W_{x,y}$	=	0.60 cm ³
Cross section area	=	1.40 cm ²
Weight	=	0.38 kg/m

Technical data

I_x	=	0.61 cm ⁴
I_y	=	0.70 cm ⁴
W_x	=	0.43 cm ³
W_y	=	0.50 cm ³
Cross section area	=	1.54 cm ²
Weight	=	0.42 kg/m

Technical data

I_x	=	3.91 cm ⁴
I_y	=	1.10 cm ⁴
W_x	=	1.95 cm ³
W_y	=	1.10 cm ³
Cross section area	=	2.69 cm ²
Weight	=	0.73 kg/m

Order data

Order number

20 x 20 base extrusion	
Standard length 5000 mm	D01-5-00/5000
20 x 20 base extrusion	
Cut to length	D01-5-02-02/ ...
Extra machining	Pages 28/29

Order data

Order number

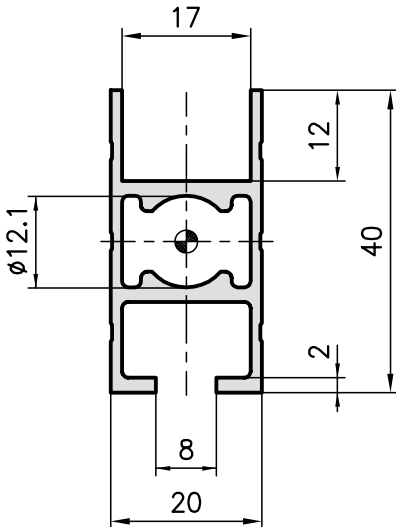
20 x 20 corner extrusion	
Standard length 5000 mm	D01-3-00/5000
20 x 20 corner extrusion	
Cut to length	D01-3-02-02/ ...
Extra machining	Pages 28/29

Order data

Order number

20 x 40 base extrusion	
Standard length 5000 mm	D01-7-00/5000
20 x 40 base extrusion	
Cut to length	D01-7-02-02/ ...
Extra machining	Pages 28/29

20 x 40 box frame extrusion type D01-6



Application

Developed specially for the construction of exhibition stands. Designed to hold 16 mm particle board panels at one end and 6/8 mm panels at the other end.



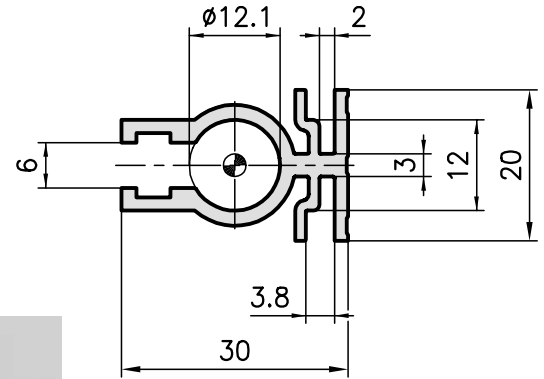
Technical data

I_x	=	2.60 cm ⁴
I_y	=	1.38 cm ⁴
W_x	=	1.21 cm ³
W_y	=	1.38 cm ³
Cross section area	=	2.39 cm ²
Weight	=	0.7 kg/m

Order data

Order data	Order number
20 x 40 box frame extrusion	
Standard length 5000 mm	D01-6-00/5000
20 x 40 box frame extrusion	
Cut to length	D01-6-02-02/ ...
Extra machining	Pages 28/29

20 x 30 intermediate extrusion type D19-1



Application

This special extrusion can be used for any application where large areas have to be clad. Firstly, it increases the stability of these types of enclosures and, secondly, the panel usage can be optimised.

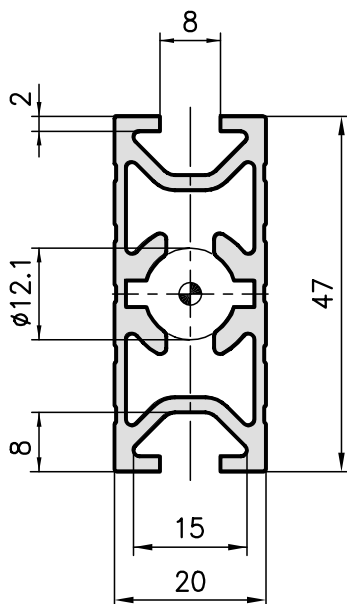
Technical data

I_x	=	1.60 cm ⁴
I_y	=	0.53 cm ⁴
W_x	=	0.89 cm ³
W_y	=	0.53 cm ³
Cross section area	=	1.95 cm ²
Weight	=	0.6 kg/m

Order data

Order data	Order number
20 x 30 intermediate extrusion	
Standard length 5000 mm	D19-1-00/5000
20 x 30 intermediate extrusion	
Cut to length	D19-1-02-02/ ...
Extra machining	Pages 28/29

20 x 47 box frame extrusion type D01-2



Application

This extrusion is often used in combination with the 20 mm base octagonal extrusion, in the construction of exhibition stands and shop fittings.

It can also be used in any application requiring lightweight structures.

In addition it can also be used in combination with 30 x 30 corner and face extrusions, positioned behind the panel to reinforce the structure.

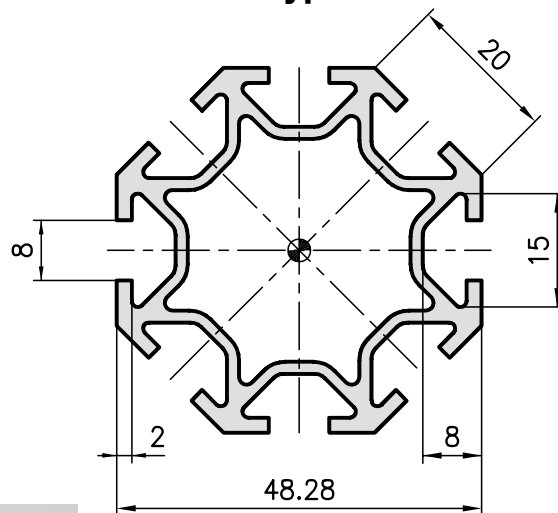
Technical data

I_x	=	7.36 cm ⁴
I_y	=	1.84 cm ⁴
W_x	=	3.13 cm ³
W_y	=	1.84 cm ³
Cross section area	=	3.55 cm ²
Weight	=	0.95 kg/m

Order data Order number

20 x 47 box frame extrusion	
Standard length 5000 mm	D01-2-00/5000
20 x 47 box frame extrusion	
Cut to length	D01-2-02-02/
Extra machining	Pages 28/29

20 mm base octagonal extrusion type D01-1



Application

Used in the construction of exhibition stands and shop fittings. An M10 threaded insert can be pressed into the ends to take levelling feet.

This extrusion is generally used in combination with the D01-2 20 x 47 extrusion, the D01-4 20 x 95 extrusion and the D01-6 20 x 40 extrusion.

Technical data

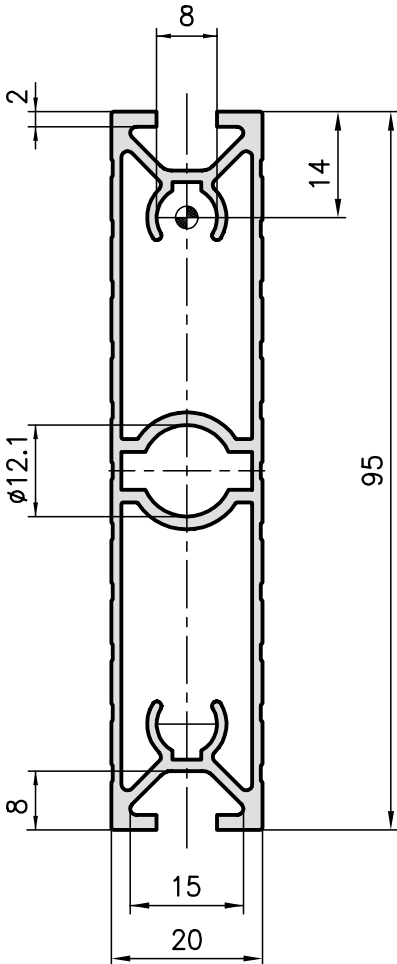
$I_{x,y}$	=	9.96 cm ⁴
$W_{x,y}$	=	4.13 cm ³
Cross section area	=	4.75 cm ²
Weight	=	1.31 kg/m

Order data Order number

20 mm base octagonal extrusion	
Standard length 5000 mm	D01-1-00/5000
20 mm base octagonal extrusion	
Cut to length	D01-1-02-02/
Extra machining	Pages 28/29
M10 threaded insert	D33-10



20 x 95 box frame extrusion type D01-4



Application

These extrusions which are lightweight yet very strong are used mainly in the construction of exhibition stands and shop fittings. They are also used in the construction of apparatus racks if closed extrusion faces are required. They can also be used as skirting boards along passages in order to stabilise walls and screens.

Technical data

I_x	=	44.26 cm ⁴
I_y	=	2.75 cm ⁴
W_x	=	9.32 cm ³
W_y	=	2.75 cm ³
Cross section area	=	4.66 cm ²
Weight	=	1.26 kg/m

Order data Order number

20 x 95 box frame extrusion
Standard length 5850 mm D01-4-00/5850

20 x 95 box frame extrusion
Cut to length D01-4-02-02/ ...

Extra machining Pages 28/29

Technical data

I_x	=	142.50 cm ⁴
I_y	=	4.41 cm ⁴
W_x	=	18.85 cm ³
W_y	=	4.16 cm ³
Cross section area	=	6.88 cm ²
Weight	=	1.86 kg/m

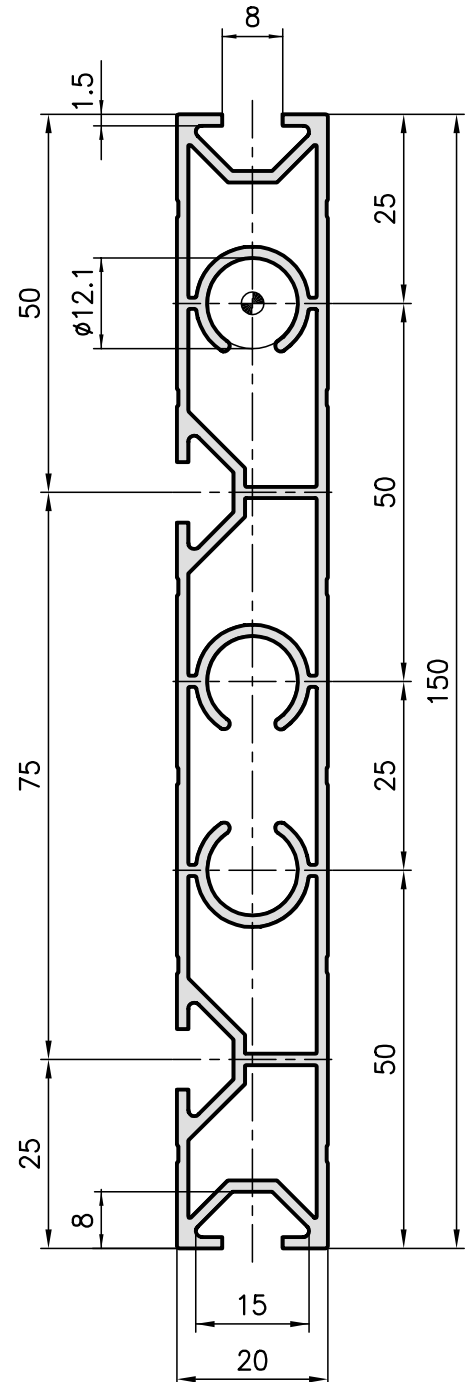
Order data Order number

20 x 150 face extrusion
Standard length 5000 mm D19-5-00/5000

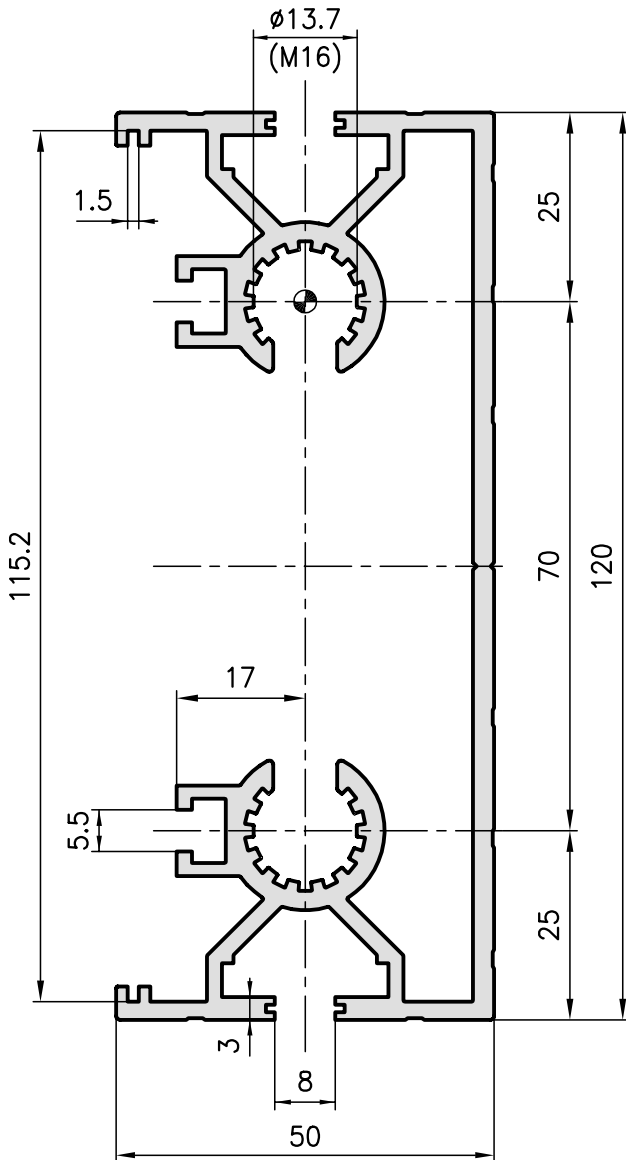
20 x 150 face extrusion
Cut to length D19-5-02-02/ ...

Extra machining Pages 28/29

20 x 150 face extrusion type D19-5



50 x 120 box extrusion type A01-6



Technical data

Cross section area	= 10.27 cm ²
Weight	= 2.8 kg/m

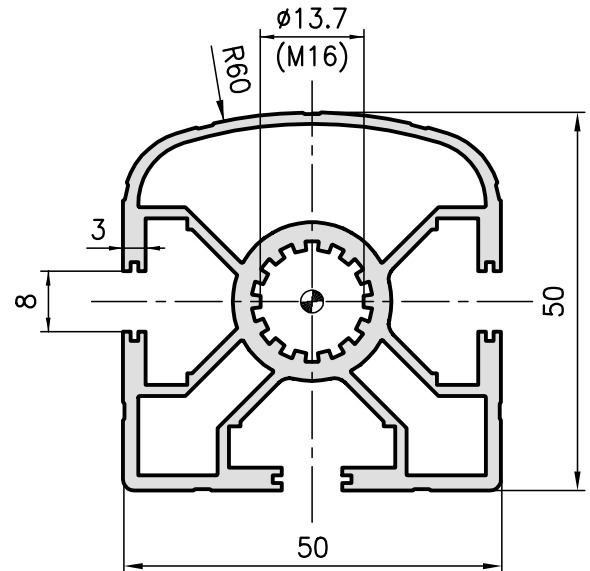
Order data Order number

50 x 120 box extrusion	
Standard length 5000 mm	A01-6-00/5000
50 x 120 box extrusion	
Cut to length	A01-6-02-02/
Extra machining	Pages 28 / 29

Application

This extrusion is mainly used as a cable duct. The front can be easily machined to take sockets, switches and other fittings. The rear face is sealed off by means of a screw-on or slide-in aluminium lid.

50 x 50 hand rail extrusion type A19-1



Application

Hand rail extrusion for staircase railings or fence tops.

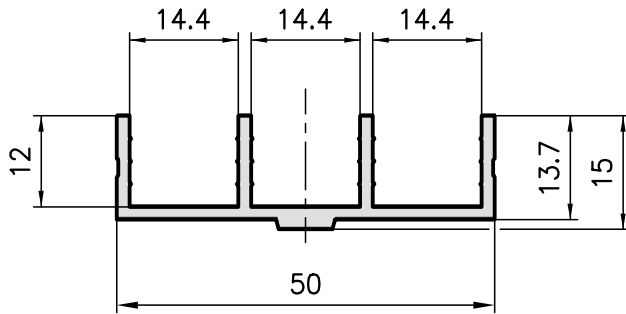
Technical data

I _x	= 13.00 cm ⁴
I _y	= 15.00 cm ⁴
W _x	= 5.20 cm ³
W _y	= 6.00 cm ³
Cross section area	= 6.10 cm ²
Weight	= 1.65 kg/m

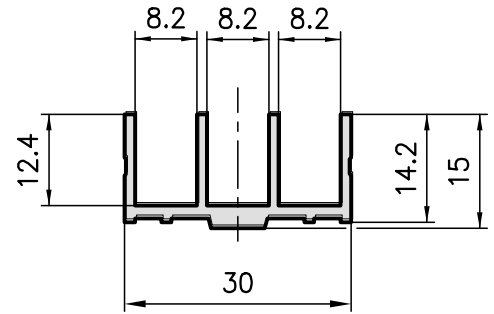
Order data Order number

50 x 50 hand rail extrusion	
Standard length 5000 mm	A19-1-00/5000
50 x 50 hand rail extrusion	
Cut to length	A19-1-02-02/
Extra machining	Pages 28 / 29

50 x 15 triple channel extrusion type A05-1



30 x 15 triple channel extrusion type B05-1



Application

A screw-on extrusion which is ideal for insulating panels, glazing and sliding doors, i.e. in any application requiring an attractive finish with functional reliability. The triple channel extrusion can slide onto any standard extrusion with a base of 50 or 30 mm. A39-55/B39-55 or B39-35 plastic extrusions can be used to improve the sliding properties, to reduce the size of the slots or as clip-on covers.



Technical data

Cross section area = 1.80 cm²
Weight = 0.5 kg/m

Order data Order number

50 x 15 triple channel extrusion
Standard length 5000 mm A05-1-00/5000

50 x 15 triple channel extrusion
Cut to length A05-1-02-02/

Technical data

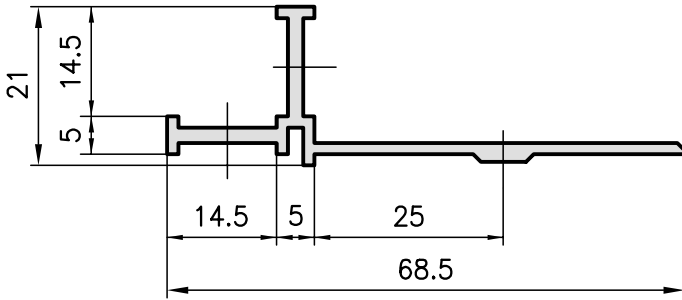
Cross section area = 1.18 cm²
Weight = 0.32 kg/m

Order data Order number

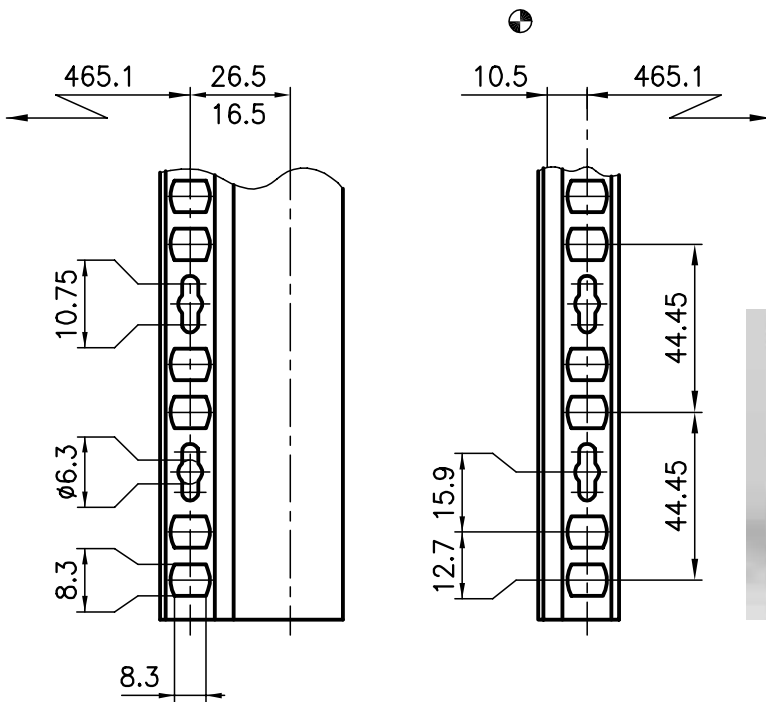
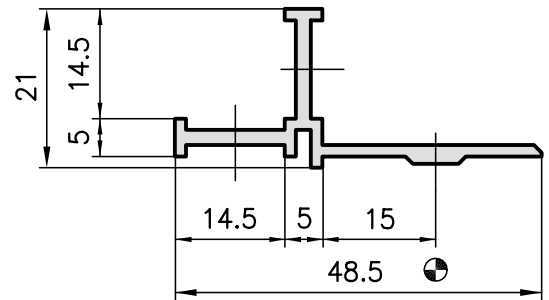
30 x 15 triple channel extrusion
Standard length 5000 mm B05-1-00/5000

30 x 15 triple channel extrusion
Cut to length B05-1-02-02/

19" auxiliary extrusion type A05-2



19" auxiliary extrusion type B05-2



Application

The screw-on extrusion allows 19" racking to be incorporated into electronic, pneumatic and hydraulic applications. This specially punched rail can be bolted onto any standard design extrusion with a base of 50 or 30 mm. It meets the requirements of IEC297. Equipment is easy to install using M6 nuts and retaining clips.



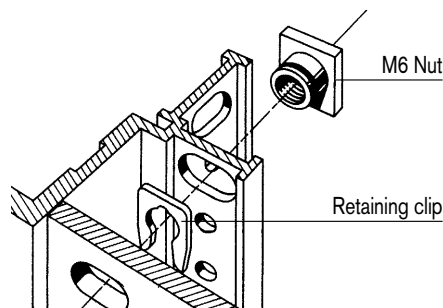
Technical data

Cross section area = 1.67 cm²
Weight = 0.5 kg/m

Order data Order number

19" auxiliary extrusion
Standard length 5000 mm A05-2-00/5000

19" auxiliary extrusion
Cut to length A05-2-02-02/



Order data Order number

Retaining clip H2-506
Special M6 nut H2-504

Technical data

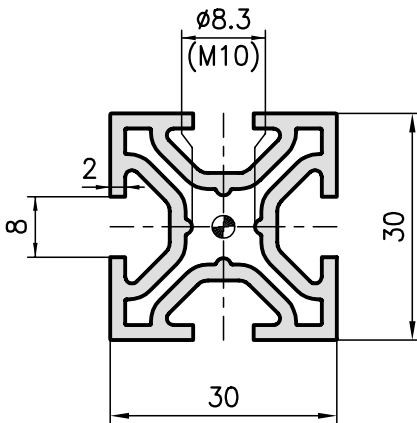
Cross section area = 1.37 cm²
Weight = 0.4 kg/m

Order data Order number

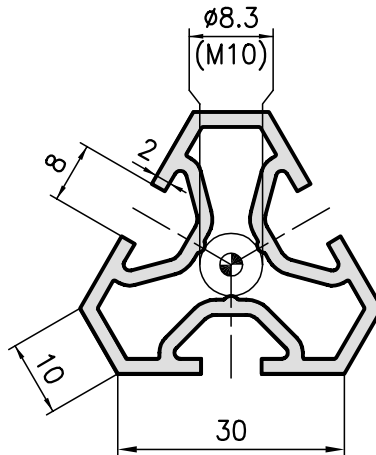
19" auxiliary extrusion
Standard length 5000 mm B05-2-00/5000

19" auxiliary extrusion
Cut to length B05-2-02-02/

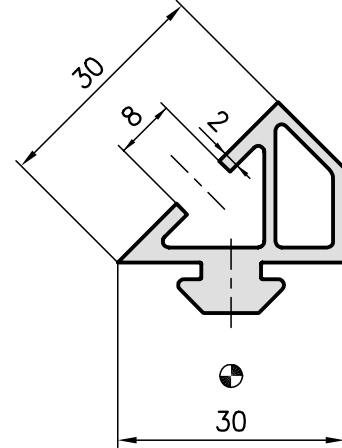
30 x 30 base extrusion type B01-1



30 x 120° triangular support extr. type B01-4



30 x 45° angle extrusion type B19-3



PVS connectors cannot be used on either of these extrusions

Application

Can slide into standard design extrusions, base 30 mm, for simple diagonal structures.

Application

These extrusions have been used successfully for years in the construction of exhibition stands and shop fittings. Thanks to their exceptional stability, they are used primarily as vertical support extrusions. One of their primary advantages is that the centre can be tapped directly for an M10 thread, for levelling feet and casters without needing any other accessory.



Technical data

$I_{x,y}$	=	3.37 cm ⁴
$W_{x,y}$	=	2.22 cm ³
Cross section area	=	3.71 cm ²
Weight	=	1.0 kg/m

Order data

Order number

30 x 30 base extrusion	
Standard length 5000 mm	B01-1-00/5000
30 x 30 base extrusion	
Cut to length	B01-1-02-02/ ...
Extra machining	Pages 28/29

Technical data

$I_{x,y}$	=	3.51 cm ⁴
$W_{x,y}$	=	1.75 cm ³
Cross section area	=	3.52 cm ²
Weight	=	1.0 kg/m

Order data

Order number

30 x 120° triangular support extrusion	
Standard length 5000 mm	B01-4-00/5000
30 x 120° triangular support extrusion	
Cut to length	B01-4-02-02/ ...
Extra machining	Pages 28/29

Technical data

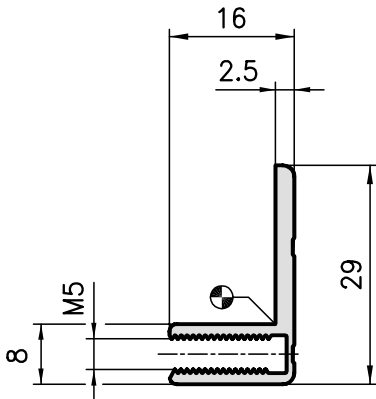
I_x	=	1.24 cm ⁴
I_y	=	1.14 cm ⁴
W_x	=	0.71 cm ³
W_y	=	0.67 cm ³
Cross section area	=	2.21 cm ²
Weight	=	0.6 kg/m

Order data

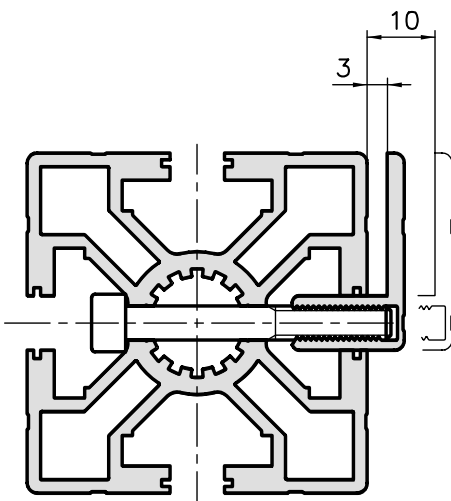
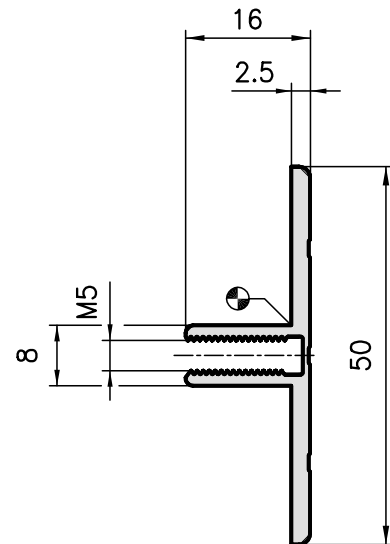
Order number

30 x 45° angle extrusion	
Standard length 5000 mm	B19-3-00/5000
30 x 45° angle extrusion	
Cut to length	B19-3-02-02/ ...

16 x 29 clamping extrusion type A05-6

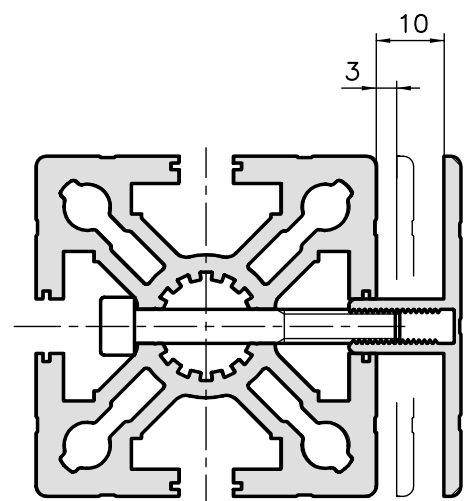


16 x 50 double clamping extrusion type A05-7



Application

Two ingenious extrusions to clamp panels of all kinds. They can be added to any existing 8 mm slots on extrusions base 40 or 50 mm. Panels can be inserted or replaced easily, on one or two of the sides, without any need to dismantle the supporting structure!



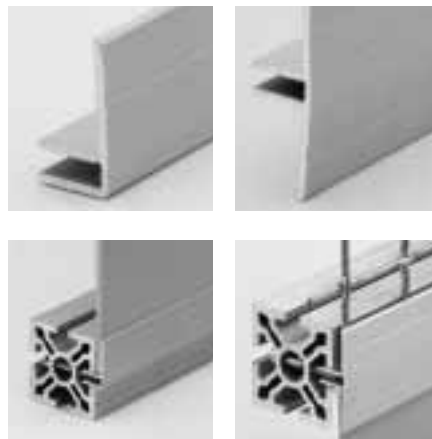
Technical data

Cross section area = 1.18 cm²
Weight = 0.32 kg/m

Order data

Order number

Clamping extrusion
Standard length 5000 mm A05-6-00/5000
Clamping extrusion
Cut to length A05-6-02-02/
Extra machining Pages 28/29



Technical data

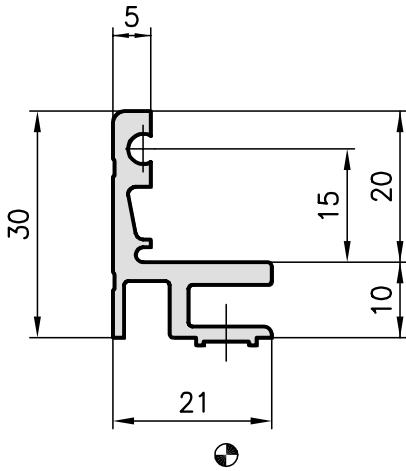
Cross section area = 1.70 cm²
Weight = 0.46 kg/m

Order data

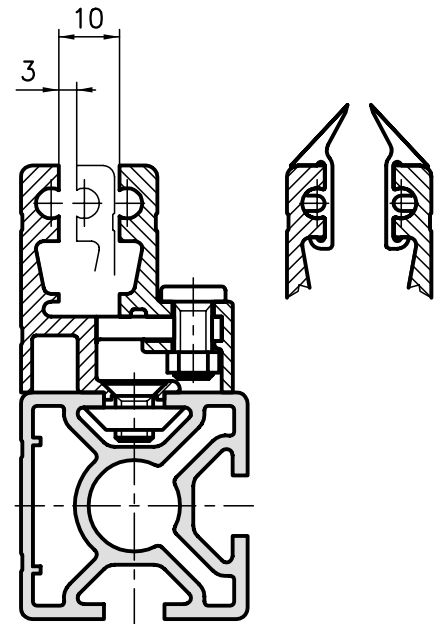
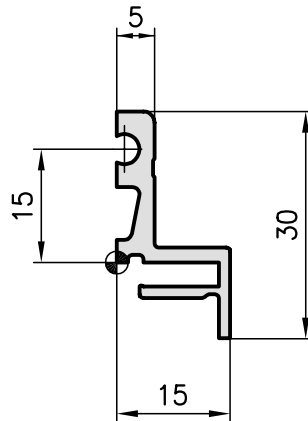
Order number

Double clamping extrusion
Standard length 5000 mm A05-7-00/5000
Double clamping extrusion
Cut to length A05-7-02-02/
Extra machining Pages 28/29

30 x 21 mounting extrusion type B05-5



30 x 15 clamping extrusion type B05-6



Application

This combination of extrusions clamps all types of panels. The great advantage of these is that the panels can be replaced at any time without having to dismantle the supporting structure.

They combine with the B39-75 sealing extrusion to provide very effective protection against splashes.

Technical data

Cross section area = 1.74 cm²
Weight = 0.5 kg/m

Technical data

Cross section area = 1.19 cm²
Weight = 0.3 kg/m

Order data

Order number

Mounting extrusion
Standard length 5000 mm B05-5-00/5000
With fixing holes B05-5NA-00/5000

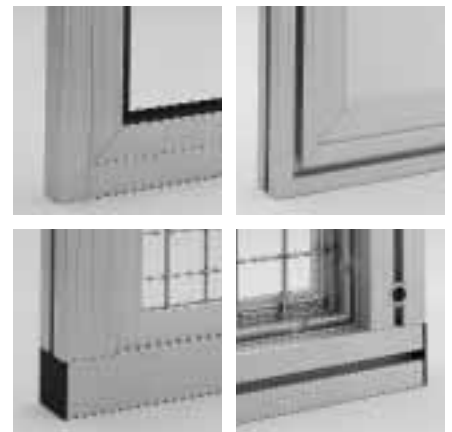
Mounting extrusion
Cut to length B05-5-02/ ...
With fixing holes B05-5NA-02/ ...

Order data

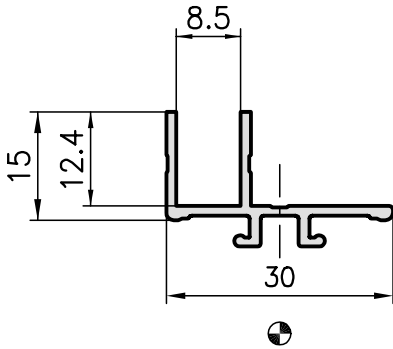
Order number

Clamping extrusion
Standard length 5000 mm B05-6-00/5000
With fixing holes B05-6NA-00/5000

Clamping extrusion
Cut to length B05-6-02/ ...
With fixing holes B05-6NA-02/ ...

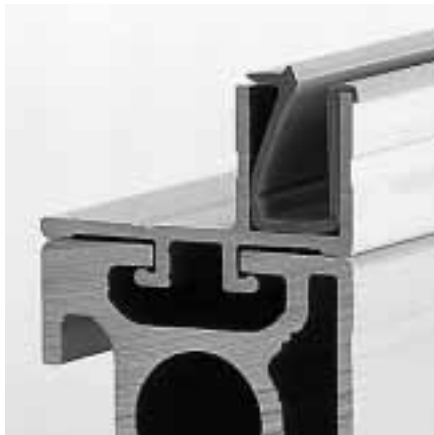


30 x 15 surround extrusion type B05-7



Application

The surround extrusion can be used as an attractive way of sealing off panels. The B39-45 clamping extrusion is used to hold different thicknesses of material.



Technical data

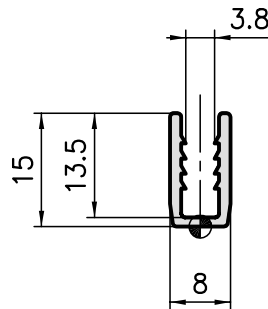
Cross section area = 0.91 cm²
Weight = 0.3 kg/m

Order data

Order number

30 x 15 surround extrusion
Standard length 5000 mm B05-7-00/5000
30 x 15 surround extrusion
Cut to length B05-7-02-02/

8 x 13.5 U-clamping extrusion type B19-6



Application

A special extrusion for clamping the wire mesh. The U-extrusion fits into all extrusions with a base of 50, 40 and 30 mm.



Technical data

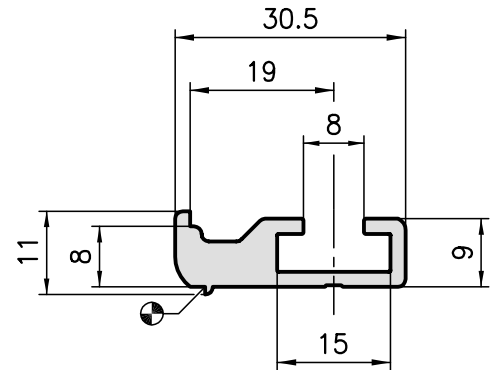
Cross section area = 0.53 cm²
Weight = 0.14 kg/m

Order data

Order number

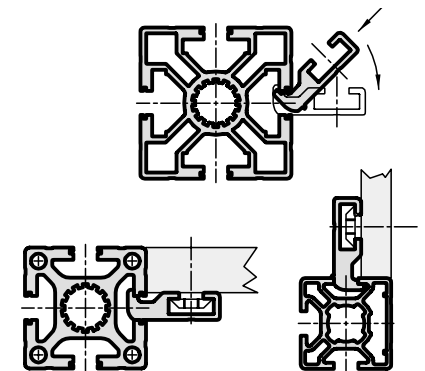
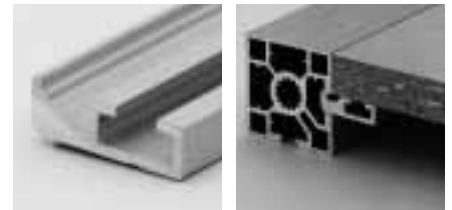
8 x 13.5 U-clamping extrusion
Standard length 5000 mm B19-6-00/5000
8 x 13.5 U-clamping extrusion
Cut to length B19-6-02-02/

11 x 30.5 support extrusion type B19-7



Application

The support extrusion is twisted into the 8 mm slots on the standard design extrusions and is used to support table tops, shelves, panels, etc.



Technical data

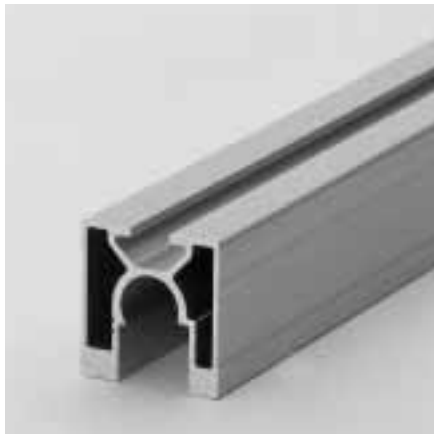
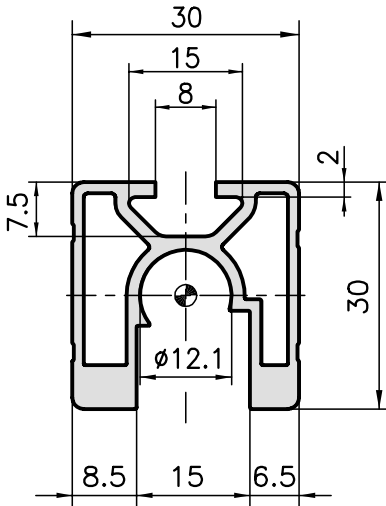
Cross section area = 1.62 cm²
Weight = 0.44 kg/m

Order data

Order number

Stop extrusion
Standard length 5000 mm B19-7-00/5000
Stop extrusion
Cut to length B19-7-02-02/

30 x 30 runner extrusion type B10-3



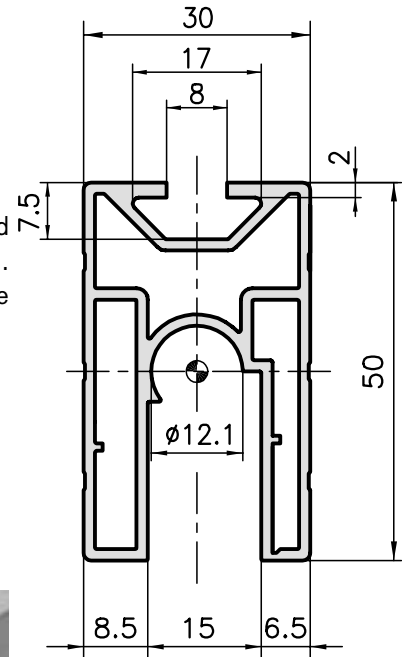
Technical data

I_x	=	3.17 cm ⁴
I_y	=	2.76 cm ⁴
W_x	=	2.09 cm ³
W_y	=	1.80 cm ³
Cross section area	=	2.89 cm ²
Weight	=	0.8 kg/m

Bestellangaben Bestellnummer

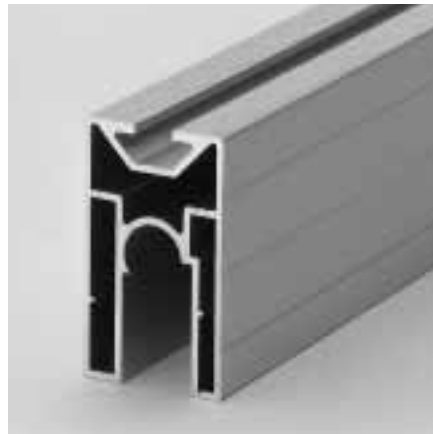
30 x 30 runner extrusion	
Standard length 5000 mm	B10-3-00/5000
30 x 30 runner extrusion	
Cut to length	B10-3-02-02/ ...
Extra machining	Pages 28/29

30 x 50 runner extrusion type B10-9



Application

The basic material for the single and double wheeled runner (see page 97). However, it can also be used as a frame extrusion to hold thick panels in place.



Technical data

I_x	=	9.17 cm ⁴
I_y	=	4.51 cm ⁴
W_x	=	3.37 cm ³
W_y	=	2.98 cm ³
Cross section area	=	3.94 cm ²
Weight	=	1.1 kg/m

Bestellangaben Bestellnummer

30 x 50 runner extrusion	
Standard length 5000 mm	B10-9-00/5000
30 x 50 runner extrusion	
Cut to length	B10-9-02-02/ ...
Extra machining	Pages 28/29

Make LIGHT work of connecting extrusions!

Whether you are connecting extrusions with a small drilled hole or without any additional machining at all, the KANYA light system will save you time and money. Because of the modular design principle, the extrusions can be combined in virtually any configuration. The expansion sleeve can be used in any extrusions with core holes of (13.7 mm and (12.1 mm.

See for yourself from these assembly instructions just how simple and reliable the KANYA LIGHT system really is!

PVS light (with a flange plate)

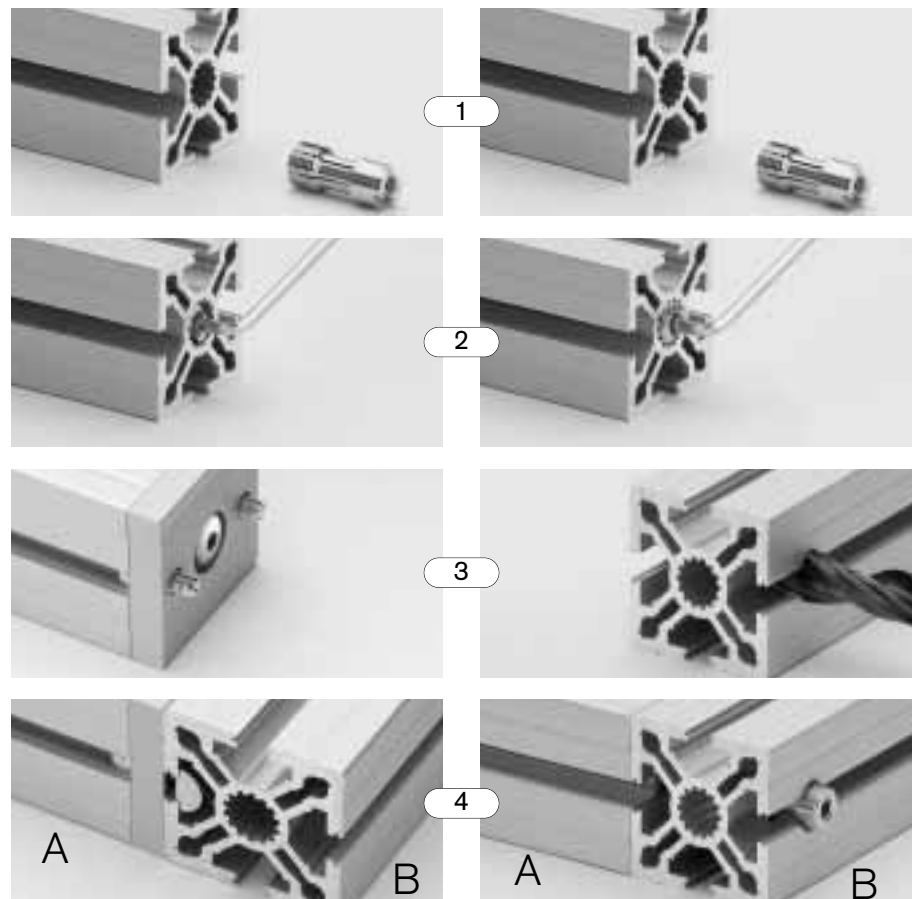
Assembly instruction:

1. Insert the expansion sleeve into the extrusion core hole (set in 0.5 to 1 mm).
2. Tighten the adjusting screw (to the correct torque).
3. Fix the flange plate in place using the round-headed screw.
4. Screw extrusion A tightly to extrusion B using the flange plate – **that's all there is to it.**

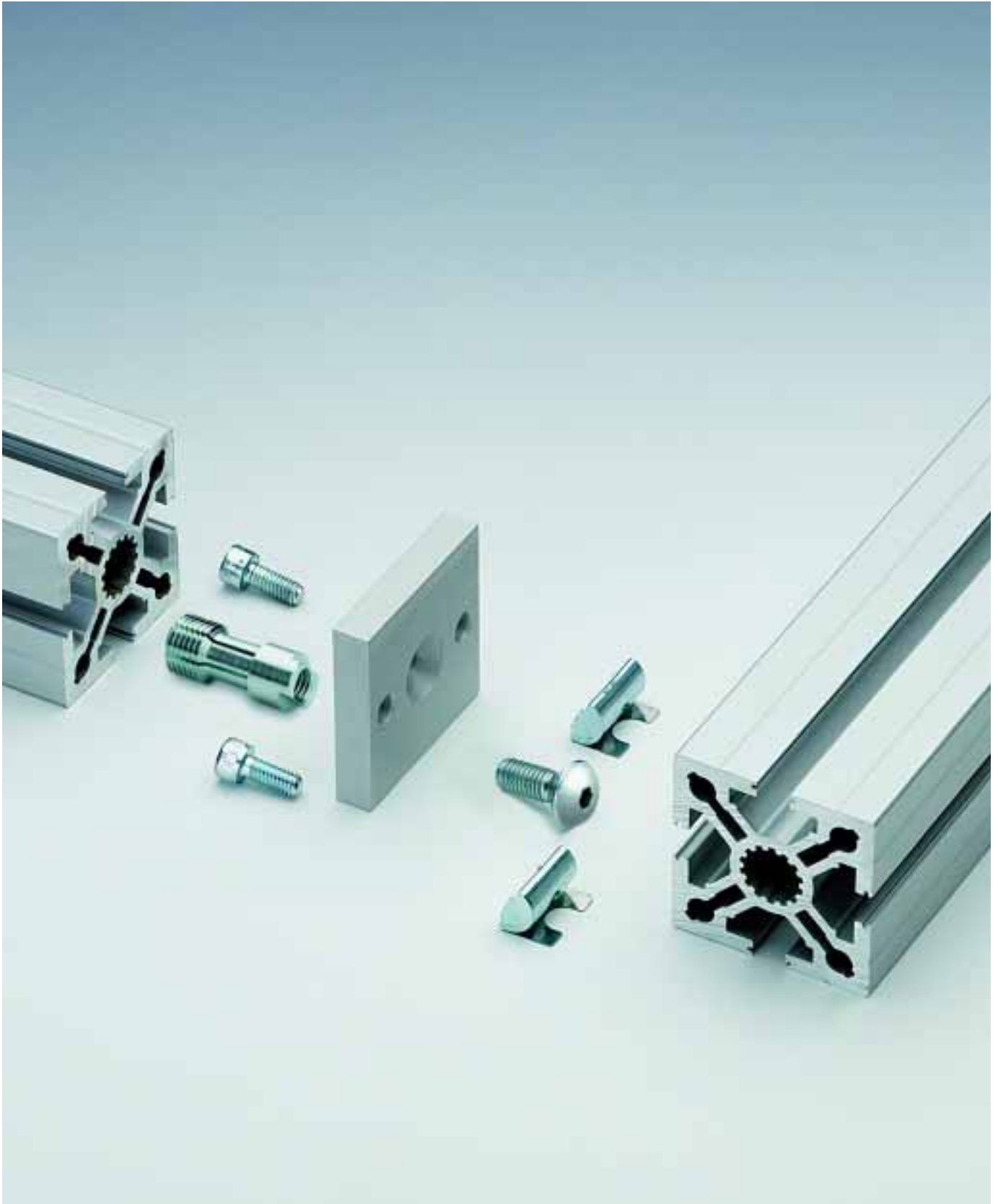
PVS superlight (without a flange plate)

Assembly instructions:

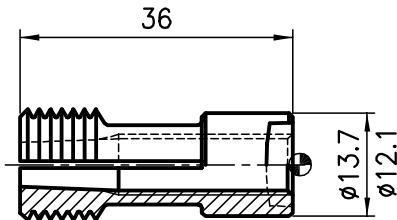
1. Insert the expansion sleeve into the extrusion core hole. Allow the flats to protrude by 1.5 (Ø 12.1) or 3 mm (Ø 13.7) and turn it to the required position using an extrusion.
2. Tighten the adjusting screw (to the correct torque).
3. Drill a stepped hole of Ø 8/14 into extrusion B.
4. Insert and tighten the socket-head cap screw – **that's all there is to it.**







Expansion sleeves



Application

The fastening screw is inserted into the expansion sleeve. One or two expansion sleeves are required in each of the light versions, depending on the number of extrusion core holes.

Tightening torques

Adjusting screw:

min. 10 Nm, max. 12 Nm

Fastening screw:

min. 7 Nm, max. 9 Nm

Finish

Zinc-coated steel

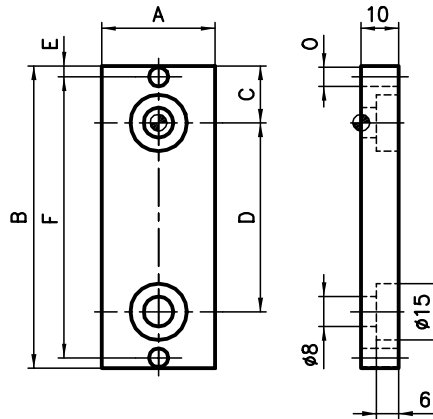
Parts supplied

Expansion sleeve, adjusting screw



Order data	Order number
Extrusions of base 40 and 50 (core hole Ø13.7)	A20-00
Extrusions of base 20 and 30 (core hole Ø12.1)	B20-00

Flange plates



Application

The flange plate secures the connection between two extrusions. It is fixed to one extrusion by means of a round-headed socket screw and to the other with extrusion nuts and socket-head cap screws.

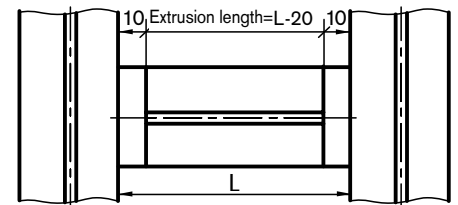
Important! 10 mm must be allowed for each flange plate (see sketch opposite) in calculating the extrusion cut length.

Fixing set

Extrusion nuts, socket-head cap screws, round-headed socket screw(s)

Finish

Al, anodised in natural colours



Order data	Order number
Flange plate for extrusions	
50 x 50	A81-10
50 x 100	A81-20
40 x 40	C81-10
40 x 80	C81-20
30 x 30	B81-10
30 x 50	B81-11
30 x 100	B81-20
Fixing set for combinations	
50 base to 50 base (1 round-headed socket screw)	A81-10-S
50 base to 50 base (2 round-headed socket screws)	A81-20-S
40 base to 40 base (1 round-headed socket screw)	C81-10-S
40 base to 40 base (2 round-headed socket screws)	C81-20-S
40 base to 50 base (1 round-headed socket screw)	C81-11-S
40 base to 50 base (2 round-headed socket screws)	C81-21-S
30 base to 30 base (1 round-headed socket screw)	B81-10-S
30 base to 30 base (2 round-headed socket screws)	B81-20-S
30 base to 40 base (1 round-headed socket screw)	B81-11-S
30 base to 40 base (2 round-headed socket screws)	B81-21-S
30 base to 50 base (1 round-headed socket screw)	B81-12-S
30 base to 50 base (2 round-headed socket screws)	B81-22-S

Drill jig and special drill bits

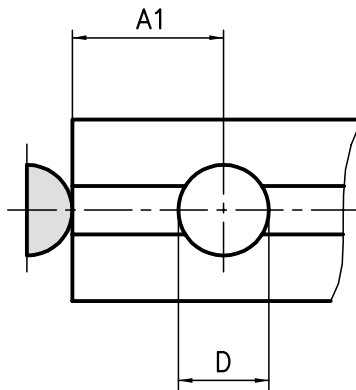
Application

The drill jig and special drill bits make it easy to drill the holes for KANYA's patented PVS connector. The main advantage of the drill jig is that it clamps directly onto the extrusion. The rotating stop, for square or mitred cuts, guarantees the precise drilling distance.

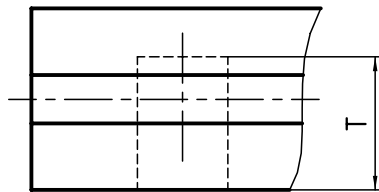
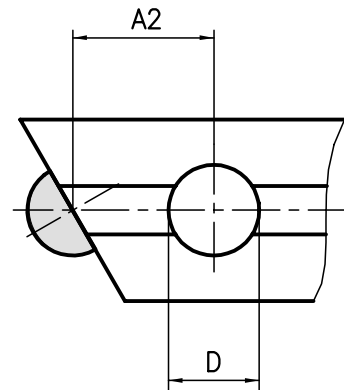
The HSS special drill bit, with the MT2 Morse taper shank, is ground flat to cut the extrusion surface. It can be re-sharpened as often as necessary.

A special drill bit with a 90° point is used to drill the B01-8 softline extrusion and the A02-8 and C02-8 angle extrusions.

Standard 90° joint
"25" stop ▽



Mitre joint
"32" stop ◀



Note

The 7.3 mm Ø holes for 20 x 20/40 extrusions are drilled using a normal twist drill bit without a drill jig.



Machining data

Extrusion type	D	A1	A2	T
50 base	18.1	25	32	33
40 base	18.1	25	32	28
30 base	15.1	25	32	22
20 x 47/95/150 base	15.1	25	32	18
20 x 20/40 base	7.3	25	25	-

Order data

Order data	Order number
Drill jig	
50/40/30 base	AB95-0
Special drill bits	
to fit the drill jig	
50/40 base	A96-1
30 base	B96-2
A02-8 and C02-8 extrusions	A96-3
B01-8 extrusion	B96-3

PVS® connectors

Application

The PVS® connectors are described in more detail on page 18 of the catalogue. The connectors are divided into 8 main groups:

1. Universal connectors



The round anchor head allows the extrusions to be set in any position, however it must first be pushed into the retaining slot.

2. Standard connections



The milled anchor head allows extrusions to be added subsequently. Two types of anchor are needed to guarantee that every extrusion position is possible. The standard connector is also available providing electrical bonding.

3. Combination connectors



Similar to the standard connector, except that they connect small extrusions to large extrusions.

4. Special connectors



The special anchor, which is available in different lengths, makes parallel and cross connections.

5. Mitre connections



The formed anchor head, 15°, 30° and 45° in both left and right designs, or with an articulated anchor head for all other angled connections.

6. Double mitre connectors



This versatile anchor can be swivelled from 0°–90°.

7. Extrusion extension connectors



The rigid connector guarantees an extremely stable extrusion extension.

8. Threaded connectors



The threaded anchor enables the extrusion to be attached to other structures.

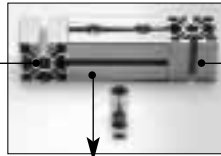
🌀 PVS connectors in KANYATHEK®

The PVS connectors are also available in file format on disc. All the PVS connectors can be called up using the article number.

Example:

Article no.	File
A20-10	A20-10-1, 2, 3 (end digits signify the view code)

1. Universal connectors

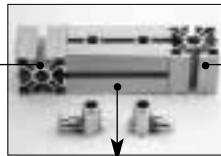


20	30	40	50
			A20-90
		C20-90	C20-90
	B20-90	B210-90	B210-90
D20-90	D20-90	D210-90	D210-90
DD20-90	DD20-90	DD210-90	DD210-90
			A20-95
		C20-95	C20-95
	B20-95	B210-95	B210-95

Extrusions with a base of	
50	
40	
30	
20	
20	Core hole 6.0 mm
A02-8	
C02-8	
B01-8	

50	40	30	20
A20-90			
C20-90	C20-90		
B210-90	B210-90	B20-90	
D210-90	D210-90	D20-90	D20-90
DD210-90	DD210-90	DD20-90	DD20-90
A20-95			
C20-95	C20-95		
B210-95	B210-95	B20-95	

2. Standard connections



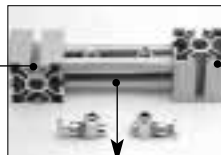
20	30	40	50
			A20-10(-P)*
		C20-10(-P)*	
	B20-10(-P)*		
D20-10(-P)*			
DD20-10			
			A20-50
		C20-50	
	B20-50		

Extrusions with a base of	
50	
40	
30	
20	
20	Core hole 6.0 mm
A02-8	
C02-8	
B01-8	

50	40	30	20
A20-20(-P)*			
	C20-20(-P)*		
		B20-20(-P)*	
			D20-20(-P)*
			DD20-20
A20-51			
	C20-51		
		B20-51	

*.....P = standard connector with electrical bonding

3. Combination connectors

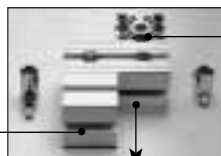


20	30	40	50
			C20-10
		B210-10	B210-10
D20-10	D210-10	D210-10	
DD20-10	DD210-10	DD210-10	
			A20-50
		C20-50	
	B210-50	B210-50	

Extrusions with a base of	
50	
40	
30	
20	
20	Core hole 6.0 mm
A02-8	
C02-8	
B01-8	

50	40	30	20
C20-20			
B210-20	B210-20		
D210-20	D210-20	D20-20	
DD210-20	DD210-20	DD20-20	
C20-51			
C20-51			
B210-51	B210-51		

4. Special connectors



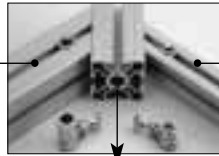
20	30	40	50
AB20-10	AB20-10	A20-10	A20-10
CB20-15	CB20-15	C20-15	C20-15
B20-15	B20-15	B210-15	B210-15
on request			
on request			
on request			

Extrusions with a base of	
50	
40	
30	
20	
20	Core hole 6.0 mm
A02-8	
C02-8	
B01-8	

50	40	30	20
A20-20	A20-20	AB20-20	AB20-20
C20-25	C20-25	CB20-25	CB20-25
B210-25	B210-25	B20-25	B20-25
on request			
on request			
on request			

See page 22 for info on KANYATHEK®

5a. Mitre connections with formed anchor



B01-8	C02-8	A02-8	20*	20	30	40	50
		on request	DD221- α	D221- α	B221- α	C22- α	A22- α
		on request	DD221- α	D221- α	B221- α	C22- α	
		on request	DD22- α	D22- α	B22- α		
			DD22- α	D22- α			
			DD22- α				

Extrusion with a base of
50
40
30
20
20 core hole 6.0 mm

50	40	30	20	20*	A02-8	C02-8	B01-8
A23- α	C23- α	B231- α	D231- α	DD231- α	on request		
	C23- α	B231- α	D231- α	DD231- α		on request	
		B23- α	D23- α	DD23- α			on request
			D23- α	DD23- α			
				DD23- α			

*with a core hole of 6.0 mm α = please state angle (15°, 30°, 45°)

*with core hole of 6.0 mm α = please state angle (15°, 30°, 45°)

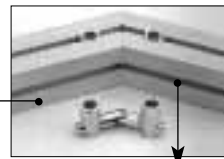
5b. Mitre connections with an articulated anchor

B01-8	C02-8	A02-8	20	30	40	50
		on request	D221-00	B221-00	C22-00	A22-00
		on request	D221-00	B221-00	C22-00	
		on request	D22-00	B22-00		
			D22-00			

Extrusion with a base of
50
40
30
20

50	40	30	20
A22-00	C22-00	B221-00	D221-00
	C22-00	B221-00	D221-00
		B22-00	D22-00
			D22-00

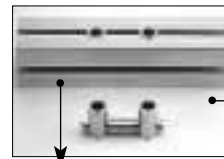
6. Double mitre connectors



B01-8	C02-8	A02-8	20*	20	30	40	50
							A24-10
							C24-10
							B24-10
							D24-10
							DD24-10
							A24-51
							C24-51
							B24-51

Extrusion with a base of
50
40
30
20
20 core hole 6.0 mm
A02-8
C02-8
B01-8

7. Extrusion extension connectors

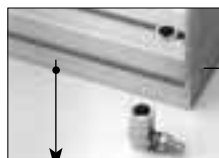


50	40	30	20	20*	A02-8	C02-8	B01-8
A24-00							
	C24-00						
		B24-00					
			D24-00				
				DD24-00			
					A24-50		
						C24-50	
							B24-50

*core hole of 6.0 mm

*with a core hole of 6.0mm

8. Threaded connectors



Extrusion with a base of
50
40
30
20
20 core hole 6.0 mm
A02-8
C02-8
B01-8

Thread M6	M8
on request	A20-60
on request	C20-60
	B20-66
	D20-66
	DD20-66
on request	A20-65
on request	C20-65
on request	B20-65

The QUICK way to combine extrusions!

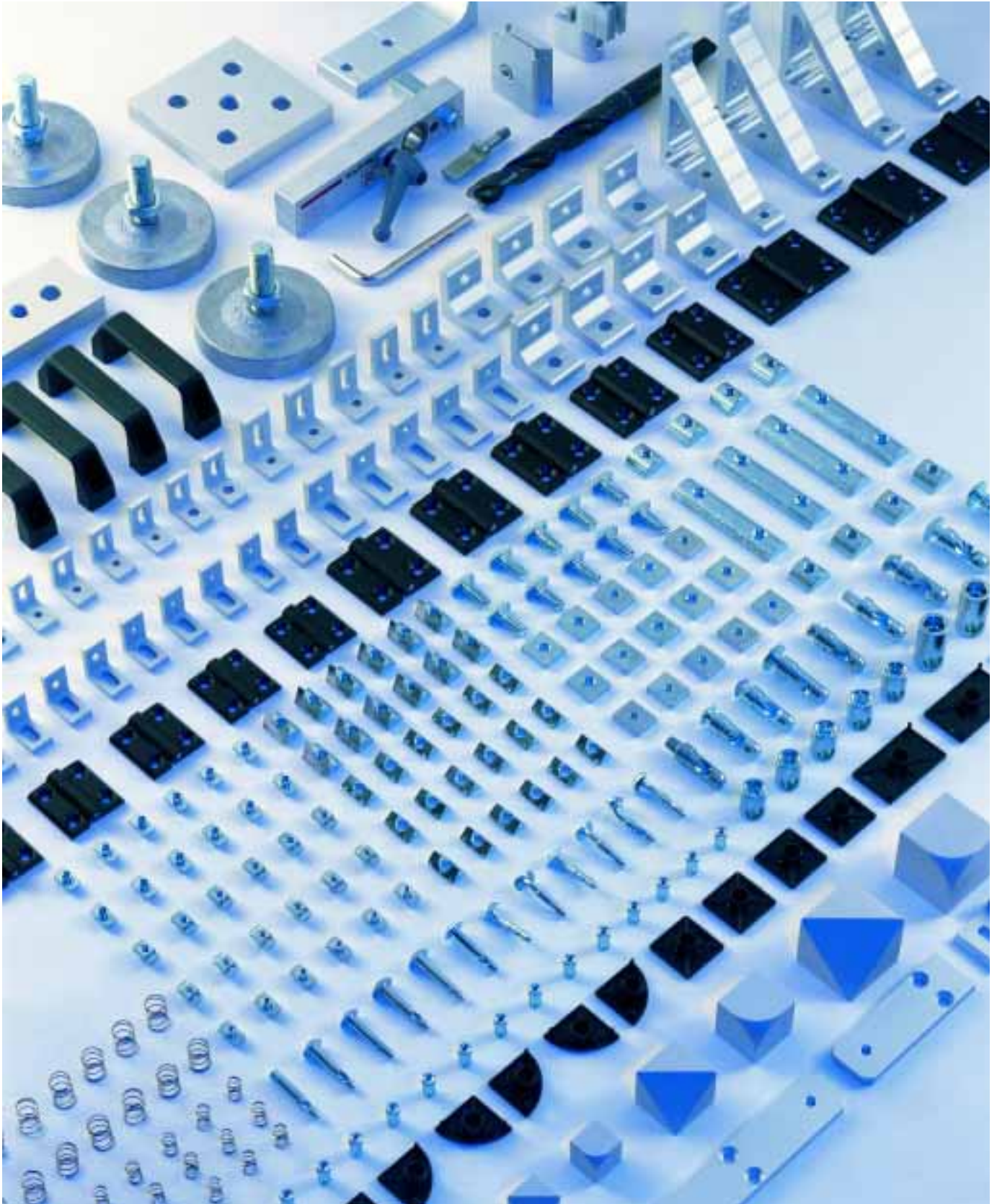
The extensive range of co-ordinated accessories enhances the cost-effectiveness of the KANYA modular extrusion building system. The best use of system extrusions is made when working with all the matching parts. Getting everything from one supplier saves time and a great deal of irritation, not to mention money.

Customer-specific accessories are available or can be specially made to order – yet another advantage of over 25 years experience in system building.

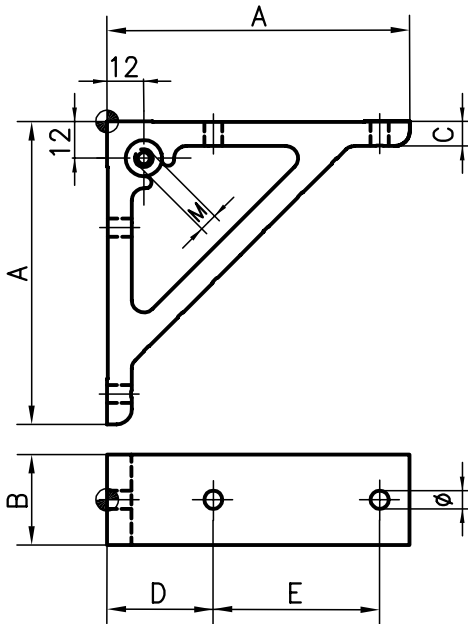


The A-Z of extrusion parts – we have them all!





Mounting brackets



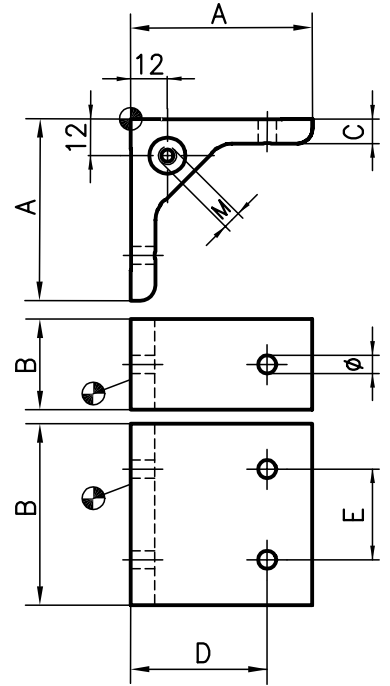
Application

Mounting brackets are simple joining parts which can also be used in combination with PVS connectors. They are used primarily for reinforcement. They can also be used for fixing panels in place thanks to the integral threaded insert.

The brackets can be attached with A/B 35-20 T-bolts or using A/B 32-... threaded plates and screws.

Specification

Aluminium, matt, anodised in natural colours



Order data	Order number
------------	--------------

A	B	C	D	E	Ø	M	Order number
100	20	8	35	55	6.5	-	B30-30
100	20	8	35	55	6.5	M6	B30-40
100	30	8	35	55	9	-	A30-30
100	30	8	25	50	9	-	A30-31
100	30	8	35	55	9	M6	A30-40

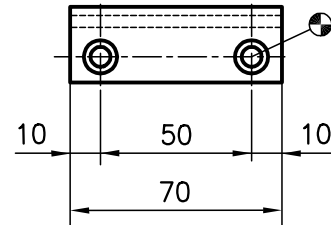
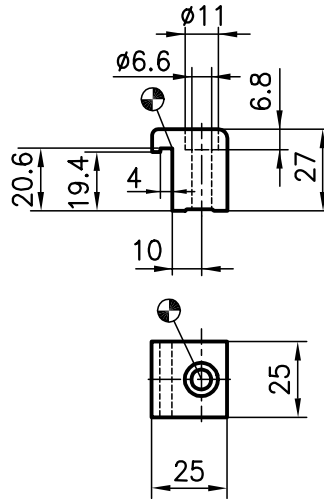
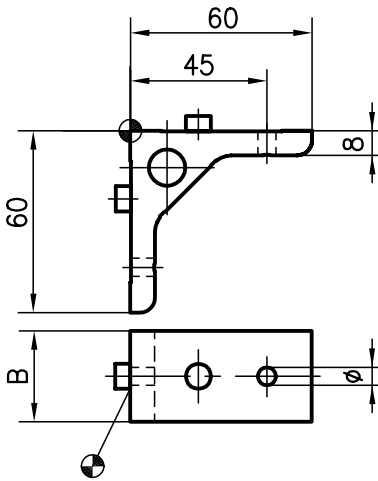
Order data	Order number
------------	--------------

100 x 100 angle extrusion, raw	
Standard length 3000 mm	A30-3-00/3000
Cut to length	A30-3-02-02/ ...
60 x 60 angle extrusion, raw	
Standard length 3000 mm	A30-1-00/3000
Cut to length	A30-1-02-02/ ...
38 x 38 angle extrusion, raw	
Standard length 3000 mm	A30-0-00/3000
Cut to length	A30-0-02-02/ ...
31 x 31 angle extrusion, raw	
Standard length 3000 mm	C30-0-00/3000
Cut to length	C30-0-02-02/ ...

Order data	Order number
------------	--------------

A	B	C	D	E	Ø	M	Order number
60	20	8	45	-	6.5	-	B30-10
60	20	8	45	-	6.5	M6	B30-20
60	30	8	45	-	9	-	A30-10
60	30	8	45	-	9	M6	A30-20
38	30	8	25	-	9	-	A30-00
38	80	8	25	50	9	-	A30-02
31	20	6	20	-	6.5	-	C30-00
31	60	6	20	40	6.5	-	C30-02

Clamping block

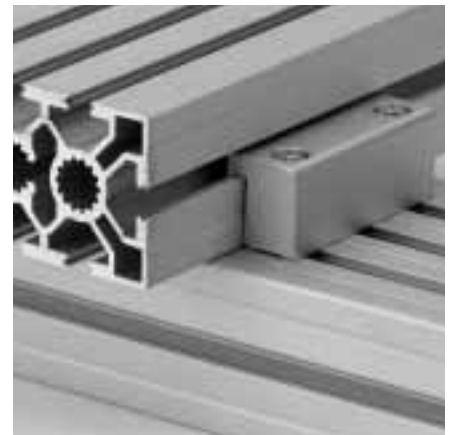


Application

The mounting bracket and dowel are used in any application where the extrusions are subjected to torsion but must not twist. A safe extrusion connection.

Specification

Aluminium, matt, anodised in natural colours.



Application

For doubling a base A extrusion. They create an extremely stable cross or parallel connections. Two blocks are required to create a parallel connection.



Specification

Block: Aluminium, matt, anodised in natural colours.
Screw: Zinc-coated steel

Parts supplied

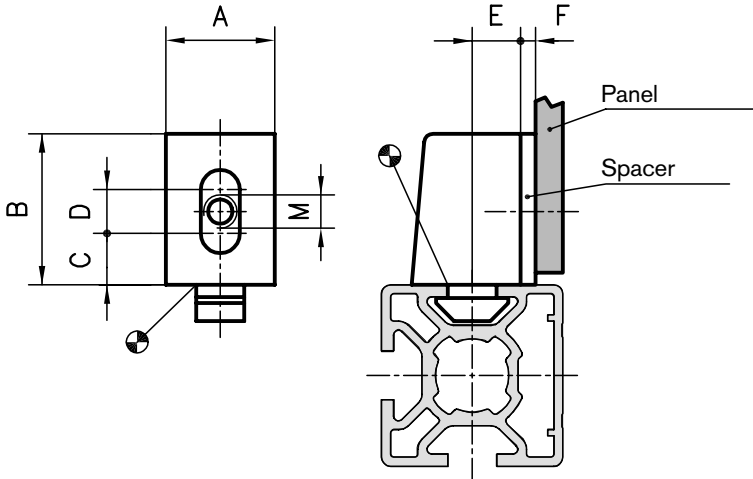
1/2 clamping block(s)
Screws / threaded plates

Order data	Order number
B Ø	
30 9	A30-11
20 6.5	B30-11

Order data	Order number
Raw block extrusion	
Standard length 3000 mm	A34-0-00/3000
Cut to length	A34-0-02-02/ ...

Order data	Order number
Single clamping blocks	
Cross connection	A34-01
Parallel connection	A34-11
Double clamping blocks	
Cross connection	A34-02
Parallel connection	A34-22

Uniblock



Application

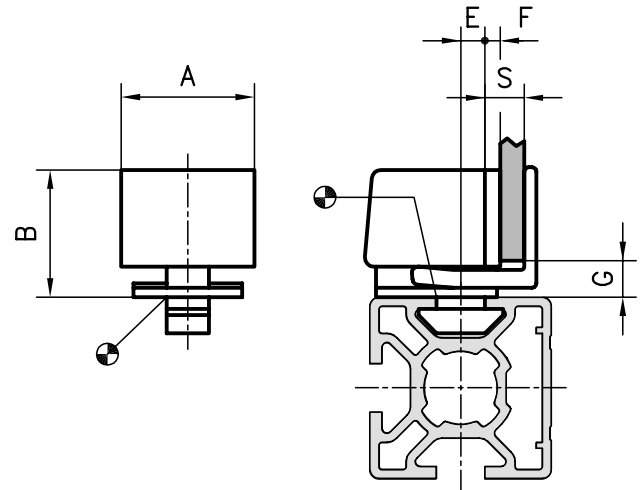
The uniblock is used to secure all sorts of panels in place. The uniblock can be attached to the extrusion without having to use any screws thanks to the attached anchor-head. The panel is then screwed to the uniblock. The captive square nut provides a large tolerance range. Different spacers can be used to give the required gap between the panel and the edge of the extrusion.

Specification

PA – GF, black,
square nut, zinc-coated steel



Clamping block



Application

The clamping block can be used to mount panels to extrusions without any additional fixings. The panel is clamped in the block by means of a toothed slide, simply and without having to use a tool. Spacers can also be used in the clamping block to give the required gap between the panel and the edge of the extrusion.

Specification

PA – GF, black

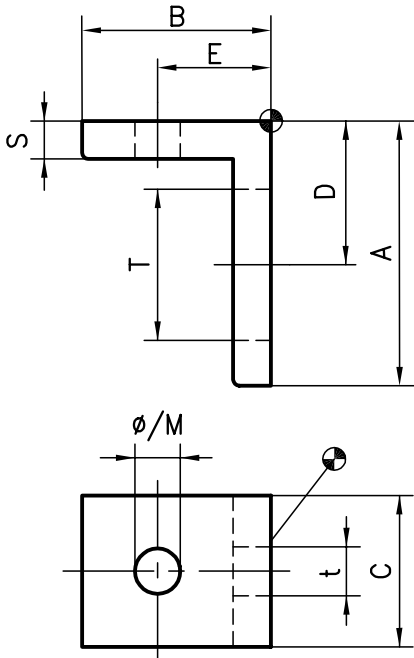


Order data	Order number
A B C D E M	
Uniblock extrusion base A	
18 25 7.5 9.5 16	M4 A30-94
	M5 A30-95
	M6 A30-96
Uniblock extrusion base C	
18 25 7.5 9.5 11	M4 C30-94
	M5 C30-95
	M6 C30-96
Uniblock extrusion base B	
18 25 11 4.5 6	M4 B30-94
	M5 B30-95
	M6 B30-96
Uniblock extrusion base D	
12 16 5.5 4.5 5	M4 D30-94

Order data	Order number
Spacers for extrusion base A/C/B	
F = 2 mm	A302-97
3 mm	A303-97
5 mm	A305-97
Spacers for extrusion base D	
F = 1 mm	D301-97
2 mm	D302-97
3 mm	D303-97
4 mm	D304-97

Order data	Order number
A B E G Smax.	
Clamping block extrusion base A	
22 21 13.5 5 10 mm	A30-90
Clamping block extrusion base C	
22 21 8.5 5 10 mm	C30-90
Clamping block extrusion base B	
22 21 3.5 5 8 mm	B30-90
Spacers for extrusion base A/C/B	
F = 2 mm	A302-98
3 mm	A303-98
5 mm	A305-98

Attachment bracket



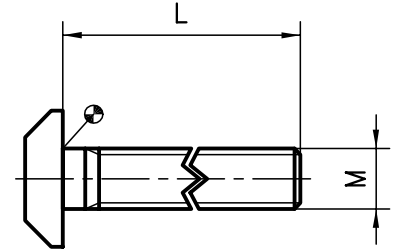
Application

The fixing angle is used to mount additional equipment, panelling, work tops, valves, electrical switchgear, etc. The advantage of these is that they are slotted on one side, allowing fine adjustment.

Specification

Aluminium, matt, anodised in natural colours

T-bolts



Application

T-bolts are used to fasten all types of components and are simple to insert, even after assembly. The anti-twist shape is a help during assembly.

Specification

8.8 steel, zinc-coated

Scope of delivery

Screw, hexagonal nut, washer

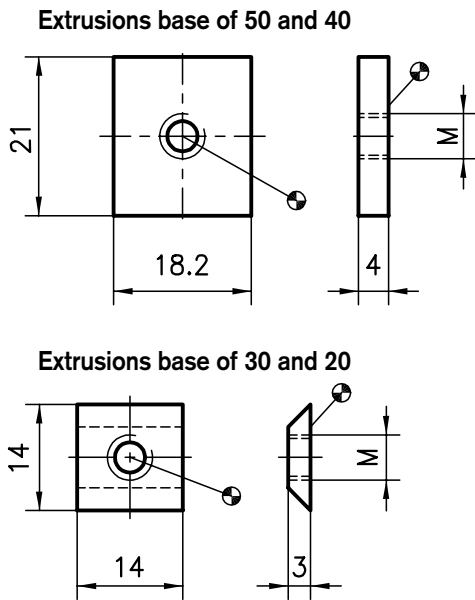


Order data										Order number	
A	B	C	D	E	S	T x t	Ø	Thread	Through-hole Ø	Thread	
45	45	20	25	25	5	20 x 6.5	6.2	M6	A30-76	A30-86	
35	25	20	19	15	5	20 x 6.5	4.2	M4	A30-54	A30-64	
35	25	20	19	15	5	20 x 6.5	5.2	M5	A30-55	A30-65	
35	25	20	19	15	5	20 x 6.5	6.2	M6	A30-56	A30-66	
25	25	15	14	15	4	13.5 x 6	3.2	M3	B30-53	B30-63	
25	25	15	14	15	4	13.5 x 6	4.2	M4	B30-54	B30-64	
25	25	15	14	15	4	13.5 x 6	5.2	M5	B30-55	B30-65	
25	25	15	14	15	4	13.5 x 6	6.2	M6	B30-56	B30-66	

Further dimensions on request

Order data		Order number	
M x L	Profile base	50/40	30
M8 x 20	A35-20		
M8 x 25	A35-25		
M8 x 30	A35-30		
M8 x 40	A35-40		
M8 x 60	A35-60		
M6 x 15			B35-15
M6 x 20			B35-20
M6 x 30			B35-30
M6 x 40			B35-40

Threaded plates



Application

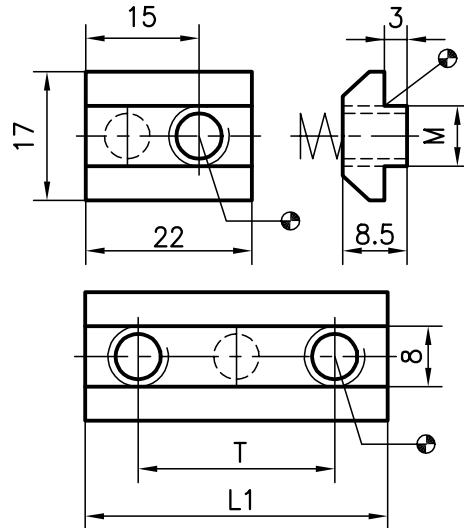
For attaching components which are anything up to medium weight.

Specification

Threaded plates/extrusion nuts:
zinc-coated steel
Retaining springs: spring steel
Extrusion rod: raw steel



Extrusion nuts



Measurement data

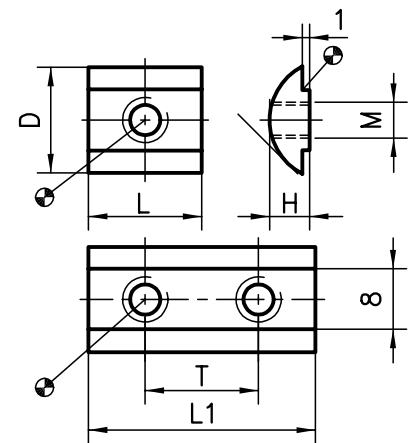
Extrusion base	L1	T
50/40	80	50
	60	40

Application

The extrusion nut is recommended for securing heavy components with high tightening torques. Threaded plates and extrusion nuts are inserted before assembly into the end of the extrusion slots.



Light extrusion nuts

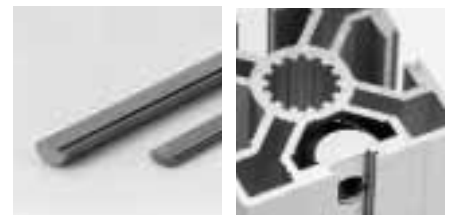


Measurement data

Extrusion base	D	H	L	L1	T
50	14	7.8	20	40	30
40/30	11	4.1	20	40	30
	11	4.1	20	30	18

Application

The advantage of the light extrusion nuts is that they can also be inserted diagonally into the extrusion slots. The disadvantage is that tightening torques > 12 N may result in dents in the aluminium extrusion.



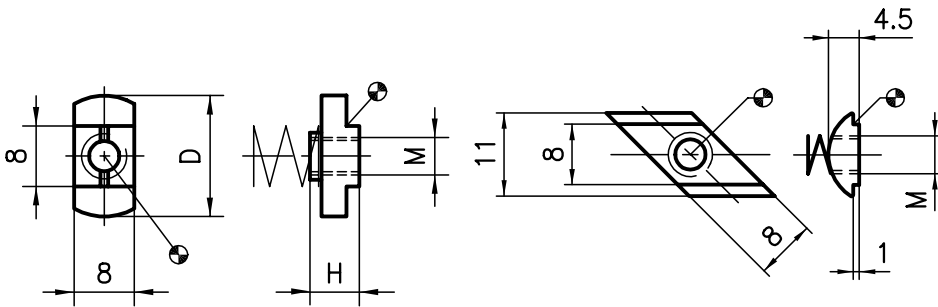
Order data	Order number		
Threaded plates	Profile base		
Thread M	50 / 40	30 / 20	20
M3	-	B32-30	D32-30
M4	A32-40	B32-40	D32-40
M5	A32-50	B32-50	D32-50
M6	A32-60	B32-60	D32-60
M8	A32-80	-	-
M10 (semi-circular threaded plate)	A32-91*	-	-

*only extrusions base 50

Order data	Order number
Extrusion nuts	Profile base
Thread M	50 / 40
M6	A32-63
M8	A32-83
Double extrusion nuts	
M8, T = 50	A32-84
M8, T = 40	C32-84

Order data	Order number	
Light extrusion nuts	Profile base	
Thread M	50	40 / 30
M5	A32-55	B32-55
M6	A32-65	B32-65
M8	A32-85	B32-85
Double extrusion nuts		
M6, T = 30	A32-67	B32-67
M4, T = 18		B32-47
Extrusion rod		
1 m	A32-51	B32-51
2 m	A32-52	B32-52

Spring nuts



Measurement data

Extrusion base	D	H
50/40	16	6
30	12	4

Application

The spring nuts can be used for the same purpose as the threaded plates and the extrusion nuts. They can be inserted into the extrusion slot after assembly. The nuts can be spaced close together because they are only 8 mm wide. However, their load-bearing capability is clearly lower than those of threaded plates and extrusion nuts.

Specification

Zinc-coated steel;
retaining springs: spring steel



Application

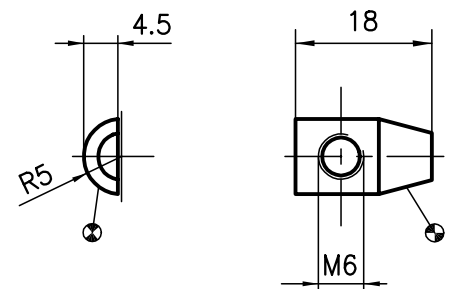
This special spring nut can be used in any extrusions with bases 20, 30 or 40.

Specification

Zinc-coated steel
Retaining springs: spring steel



Anti-twist spigots



Application

For all extrusions which are assembled with a PVS connector and which must not twist. The spigot can also be fitted to existing extrusions (does not apply to 20 x 20 extrusions).

Specification

Zinc-coated steel

Parts supplied

Spigot, adjusting screw

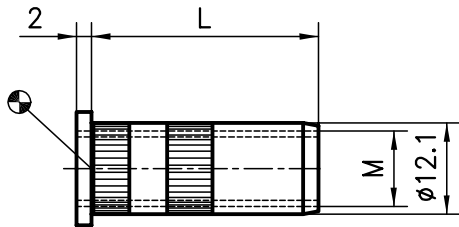


Order data	Order number	
	Profile base	
Thread M	50/40	30
M3	A31-30	B31-30
M4	A31-40	B31-40
M5	A31-50	B31-50
M6	A31-60	B31-60

Order data	Order number
Thread M	
M3	D31-30
M4	D31-40
M5	D31-50
M6	D31-60

Order data	Order number	
Spigot	50/40	30/20
	AC29-00	BD29-00

Threaded inserts

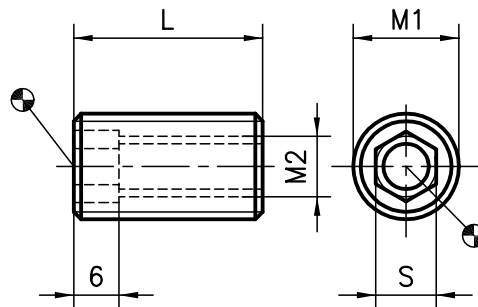


Application

The threaded insert, which is manufactured with an external knurl, is inserted into a 12 mm hole across the line of the extrusion, enabling levelling feet and casters to be fixed to horizontal extrusions.

Specification

Zinc-coated steel



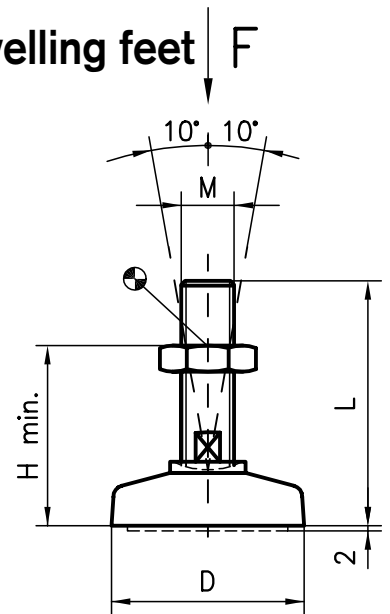
Application

The screw-in threaded insert is primarily used to take levelling feet and casters or to fix end panels or base plates in place.

Specification

Zinc-coated steel

Levelling feet



Application

Continuously variable height adjustment and levelling. The adjusting screw is connected to the cup in such a way that the cup can be tilted by $\pm 10^\circ$, compensating for uneven floors.

Specification

Cup: PA-GF black

Bolt/locknut: 8.8 steel, zinc-coated



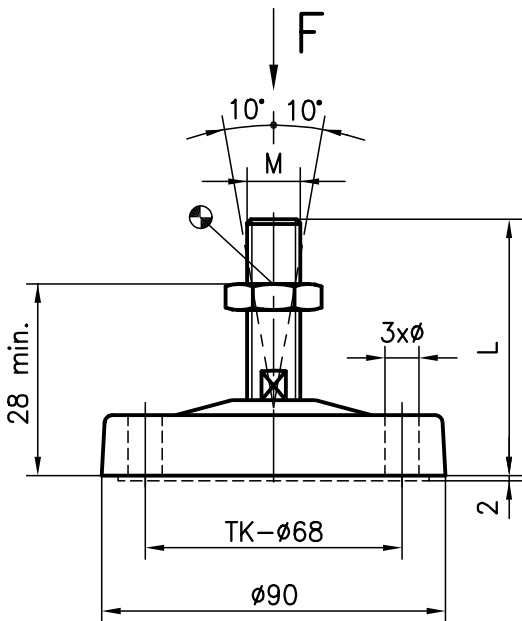
Order data		Order number	
M	L	Profile base	
		30	50 / 40
M10	28	B33-20	
M10	36	C33-20	

Order data				Order number	
M1	M2	S	L	Profile base	
				50 / 40	30
M16	M10	10	25	A33-20	
M16	M8	8	25	A33-28	
M16	M6	6	25	A33-26	
M14	M10	10	25		B33-21
M14	M8	8	25		B33-28
M14	M6	6	25		B33-26

See also PVS-Light → Expansion sleeve (page 77)

Order data			Order number	
M x L	D	H	F	
M8 x 37	19	20	2000 N	B43-05*
M10 x 75	30	40	2500 N	B43-10*
M10 x 75	40	40	2500 N	B43-11*
M10 x 75	50	40	2500 N	B43-12*
M10 x 70	50	30	2500 N	B42-50
M10 x 122	50	30	2500 N	B42-00
M14 x 65	50	25	3000 N	B42-54
M14 x 115	50	25	3000 N	B42-14
M16 x 65	50	25	3500 N	B44-50
M16 x 115	50	25	3500 N	B44-00

* with an anti-slip element



Specification

Cup: PA-GF black or aluminium
 bolt : 8.8 steel, zinc-coated



Order data		Order number	
M x L	Ø	F	Plastic
M14 x 70	9	4000 N	B45-54
M14 x 120	9	4000 N	B45-14
M16 x 70	9	5000 N	B45-50
M16 x 120	9	5000 N	B45-00
			Aluminium
M14 x 70	9	8000 N	B45-55
M14 x 70	-	8000 N	B45-56
M14 x 120	9	8000 N	B45-03
M14 x 120	-	8000 N	B45-04
M16 x 70	9	10'000 N	B45-51
M16 x 70	-	10'000 N	B45-52
M16 x 120	9	10'000 N	B45-01
M16 x 120	-	10'000 N	B45-02

Other dimensions and conductive levelling feet are available on request



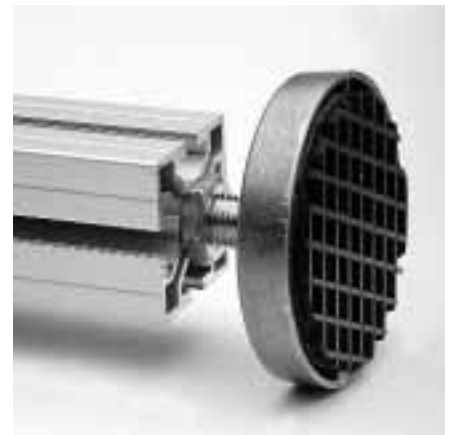
Levelling feet with shock absorbers

Application

The aluminium levelling foot is available with a special shock absorber insert. This ensures that vibrating structures sit securely on the floor.

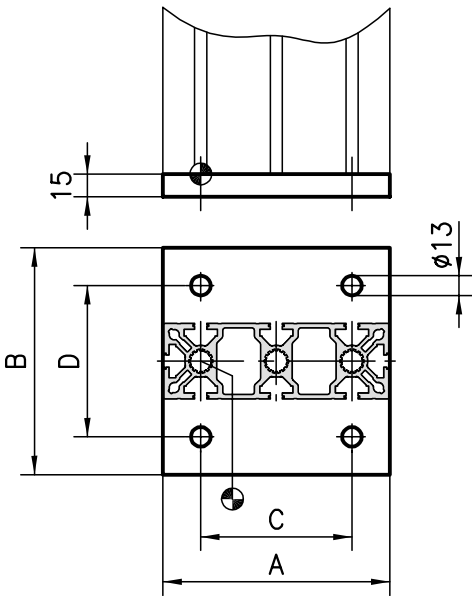
Specification

Roundel: (80 x 18
 Multi-layer, non-slip, vibration-absorbent, composite structure.



Order data		Order number
M x L	F	
M14 x 70	5000 N	B45-56-D
M14 x 120	5000 N	B45-04-D
M16 x 70	5000 N	B45-52-D
M16 x 120	5000 N	B45-02-D

Base plates



Application

When structures are subjected to heavy loads, structural stability is extremely important. The solid steel base plate meets this requirement in every respect, guaranteeing a high level of safety.

Specification

Steel, gunmetal finish

Fixing kit*

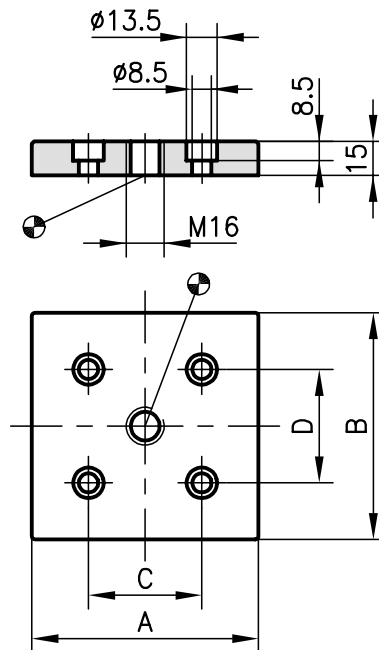
Bolt(s) M16 x 30



Order data	Order number				
Extrusion	A	B	C	D	
50 x 50	150	50	120	-	A47-50(-S)*
50 x 150	150	150	100	100	A47-70(-S)*
100 x 100	200	100	150	70	A47-80(-S)*
40 x 40	120	40	90	-	C47-40(-S)*
80 x 80	150	80	120	50	C47-80(-S)*

*Fixing kit: add -S to the order number

Foot plates



Application

For use with extrusions without a central core hole when fixing levelling feet and casters.

Specification

Aluminium, anodised in natural colours

Fixing kit*

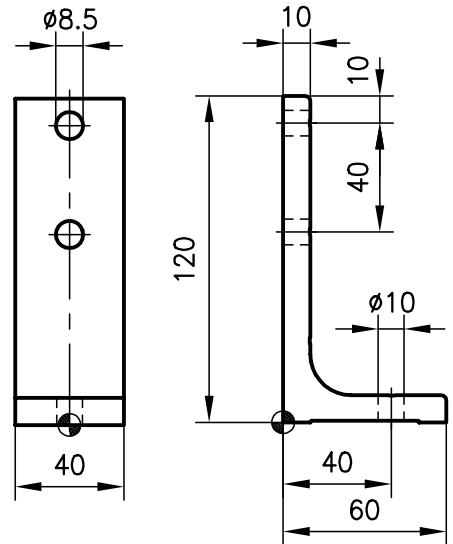
Screws and threaded inserts



Order data	Order number				
Extrusion	A	B	C	D	
100 x 100	100	100	50	50	A80-20(-S)*
80 x 80	80	80	40	40	C80-20(-S)*

*Fixing kit: add -S to the order number

Floor bolting bracket



Application

A floor bolting bracket is used when a system has been aligned and has to be bolted to the floor. It is very easy to use because its height can be adjusted in the extrusion slot and the bracket can be easily secured to the floor using anchor bolts.

Specification

Aluminium, anodised in natural colours

Fixing kit*

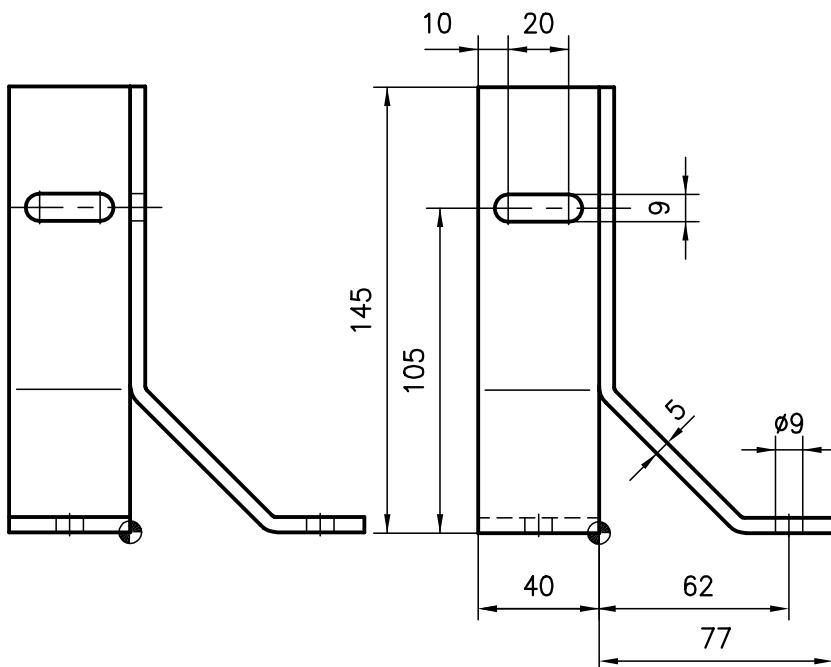
2 screws, 2 threaded plates, 2 washers



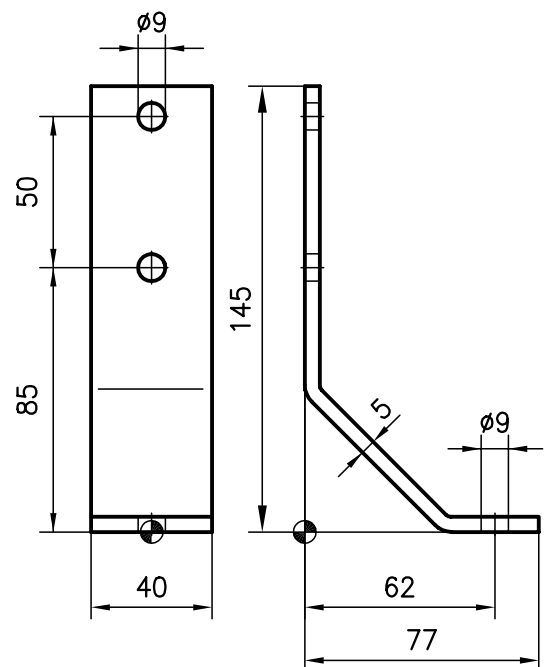
Order data	Order number
Floor bolting bracket	A47-00(-S)*
Angle extrusion 120 x 60 raw	
Standard length 3000 mm	A47-0-00/3000
Cut to length	A47-0-02-02/

*Fixing kit: add -S to the order number

Double bolting bracket



Single bolting bracket



Application

An advance on the normal floor bolting bracket, with the added advantage that it can be used together with large levelling feet ((90). The double bolting bracket also secures the supporting extrusions in two directions.

Specification

Steel, powder-coated in black

Fixing kit*

- 2 screws
- 2 threaded plates
- 2 washers



Application

Same as the aluminium floor bolting bracket with the added advantage that it can be used together with large levelling feet ((90).

Specification

Steel, powder-coated in black

Fixing kit*

- 2 screws
- 2 threaded plates
- 2 washers

Order data	Order number
------------	--------------

Double bolting bracket	A47-20(-S)*
------------------------	-------------

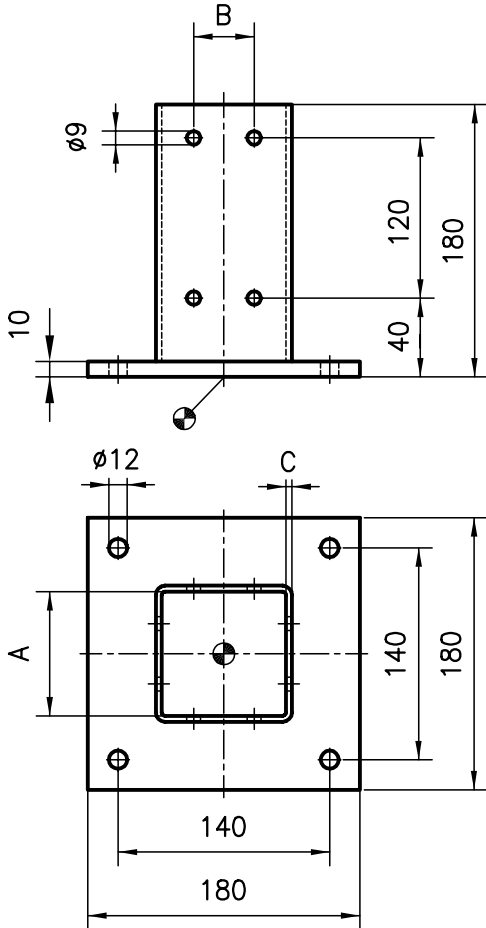
*Fixing kit: add -S to the order number

Order data	Order number
------------	--------------

Single bolting bracket	A47-21(-S)*
------------------------	-------------

*Fixing kit: add -S to the order number

Leg bolt-down socket

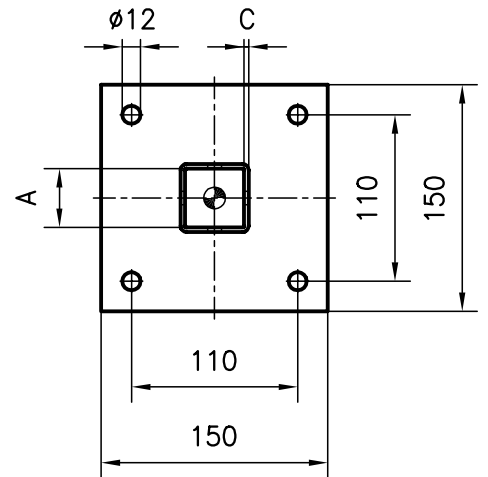
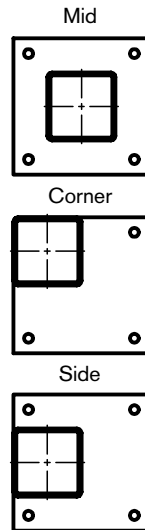
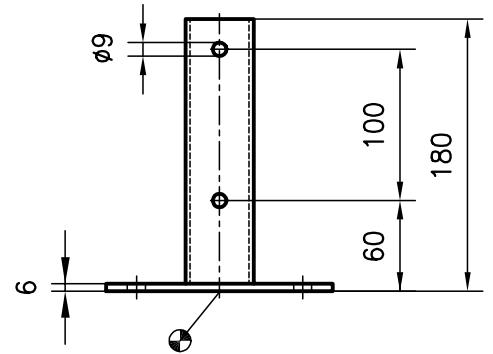


Application

The bolt-down socket is used in applications where the legs have to be very firmly secured to the ground. The extrusion can be adjusted easily within the guide socket and can be secured in place using the fixing kit included. The bolt-down socket should be chosen, from the three available, to suit the space available.

Specification

Steel, powder-coated in black



Fixing kit

(applies to all types)

- 4 cylinder screws, 4 threaded plates
- 4 washers

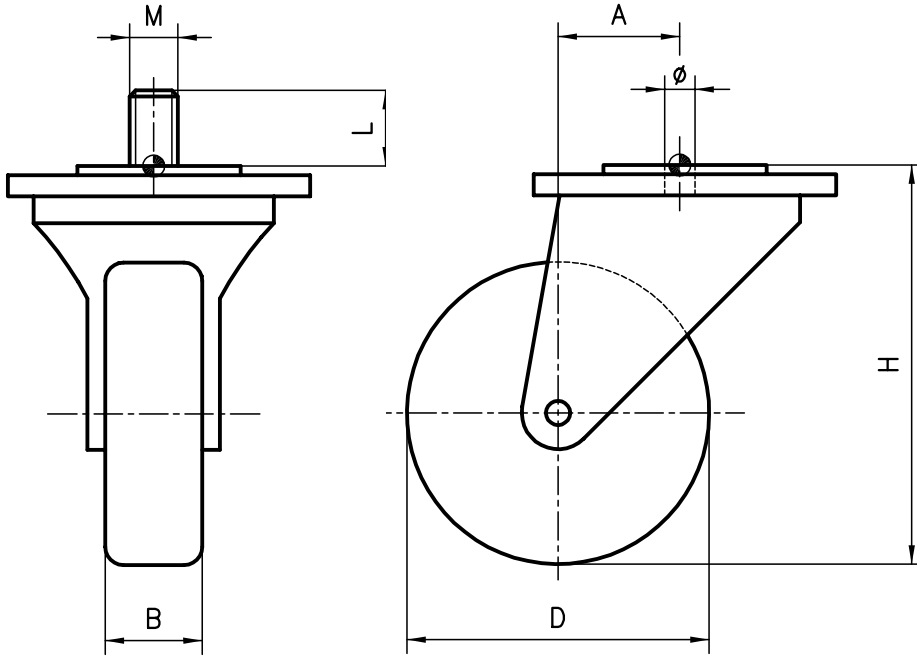


Fixing kit

- 2 cylinder screws, 2 threaded plates,
- 2 washers

Order data					Order number	Order data					Order number
	A	B	C	Type			A	B	C	Type	
Extrusion 80 x 80	82	40	4	Middle	C47-36	40 x 40 extrusion	41	-	2	Middle	C47-32
				Corner	C47-37					Corner	C47-33
				Side	C47-38					Side	C47-34
Fixing kit					C47-36-S	Fixing kit					C47-32-S
						50 x 50 extrusion	52	-	4	Middle	A47-32
										Corner	A47-33
										Side	A47-34
						Fixing kit					A47-32-S

Casters



Application

Can be used in any application where mobility is required. There are four diameters of wheels available (with or without locks) depending on the load capacity required.

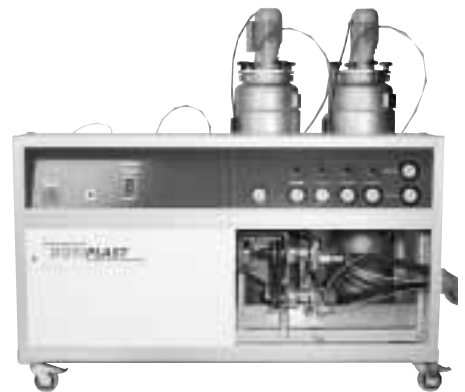
The casters can be simply attached to the extrusions either with an M10 bolt or by means of an M16 / 14 x 25 threaded stud.

Specification

Fork: Steel BZP, Ball bearing
 Wheel: Rubber tyre, Ball bearing

Load-bearing capacity:

- Ø 50 = 400 N
- Ø 75 = 700 N
- Ø 100 = 800 N
- Ø 125 = 1000 N

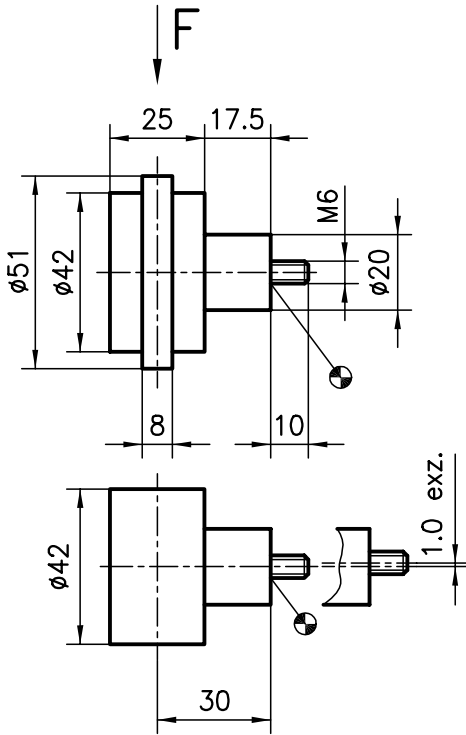


	Order data					Order number	
	D	B	H	A	Ø / M x L	no lock	with lock
Caster	50	18	70	25	Ø 10.3	B48-50	B49-50
Caster	50	18	70	25	M14 x 25	B48-54	B49-54
Caster	75	25	97	30	Ø 10.3	B48-75	B49-75
Caster	75	25	97	30	M14 x 25	B48-74	B49-74
Caster	100	32	132	42	Ø 10.3	B48-100	B49-100
Caster	100	32	132	42	M16 x 25	A48-100	A49-100
Caster	125	32	158	42	Ø 10.3	B48-125	B49-125
Caster	125	32	158	42	M16 x 25	A48-125	A49-125

Other sizes and anti-static casters are available on request



Rollers



Application

This roller is suitable for heavy sliding doors, as a wheel for workpiece holders or for general structures which have to move freely.

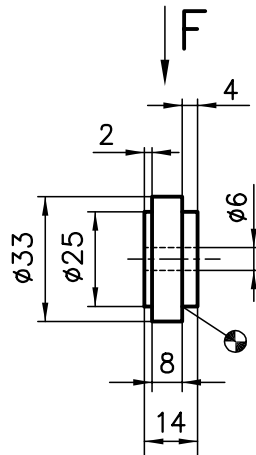
Insert the guide flange into the extrusion slot. Fit the flat roller onto the other side. This creates the perfect trolley/rail combination independent of the extrusion tolerance.

Specification

Plastic roller, ball bearing mounted, steel spacer, gun-metal finish
Radial load
F = 500 N



Order data	Order number	
Roller with guide flange	Centric C48-00	Eccentric C48-01
Roller without guide flange	C48-10	C48-11

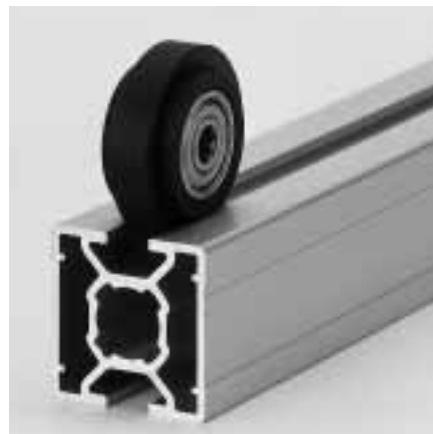


Application

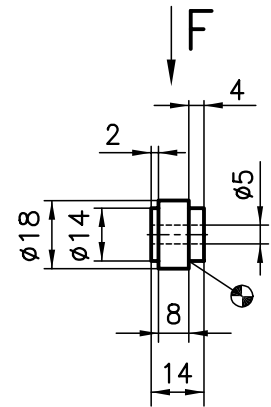
This ball bearing-mounted roller is mainly used in an assembly with the trolley extrusion, although it can also be attached directly to any extrusion.

Specification

PA 6 black
2 deep groove ball bearings with cover disks
F = 150 N



Order data	Order number
Roller PA	B48-05

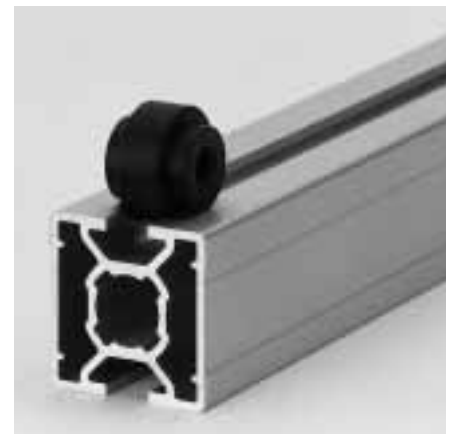


Application

Same as the PA roller, except that it fits small trolley extrusions. This low-cost roller is ideal for smaller loads. It is not fitted with a ball bearing rollers.

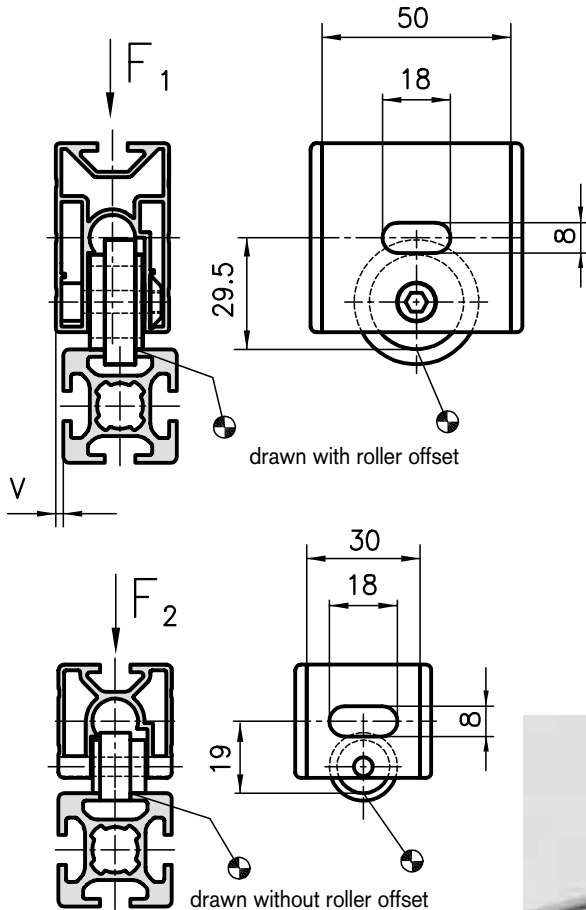
Specification

POM black
F = 75 N



Order data	Order number
Roller POM	B48-03

Roller-mounted support



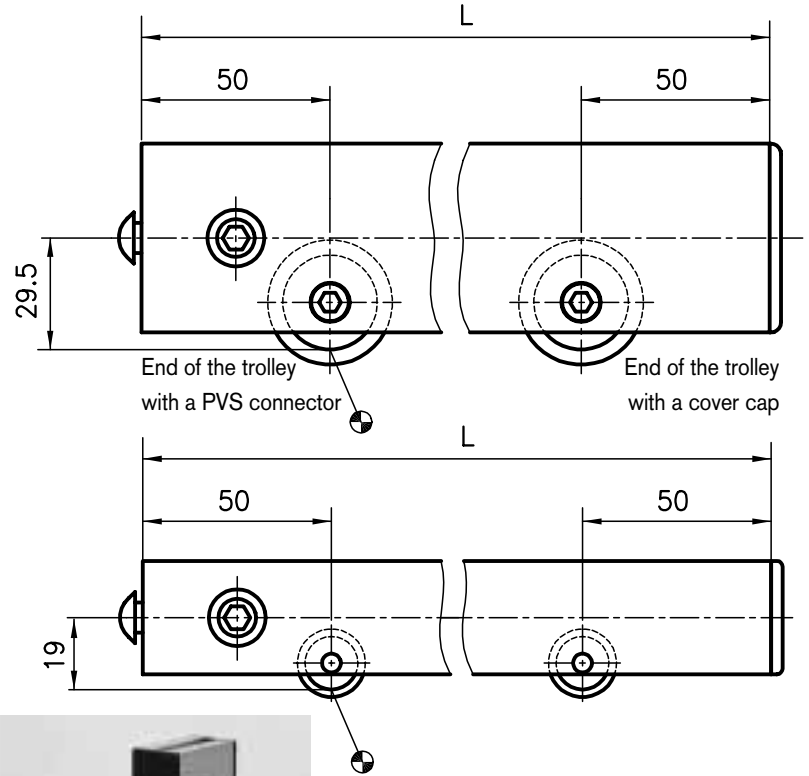
Application

Single trolleys can be combined with any other extrusions. Special trolleys or guides for moving components can be built very quickly. Refer to page 73 for dimensioned drawings of the extrusions.

Parts supplied

Aluminium extrusion fitted with 1 roller and 2 cover caps.
 $F_1 = 150\text{ N}$ | $F_2 = 75\text{ N}$

Double trolley



Application

A wide range of different applications is possible with the double trolley. It provides a simple and mechanically reliable way of creating equipment chassis, sliding doors, lifting devices etc. Any lengths of extrusion can be used. However, rollers for small trolleys should not be spaced any more than 700 mm apart, and for large trolleys the spaces between rollers should not exceed 1000 mm.

Trolleys are also available with more than 2 rollers.

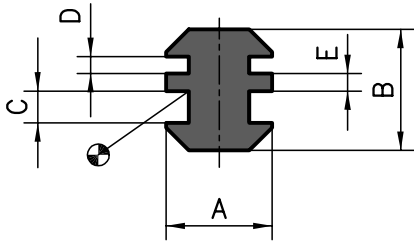
Parts supplied

Aluminium extrusion fitted with > 2 rollers. PVS connector and/or cover caps fitted. Load, see rollers.

Order data	Order number	
	v = 0 mm	v = 2 mm
Large roller-mounted support	B37-50	B37-51
Small roller-mounted support	B37-30	B37-31

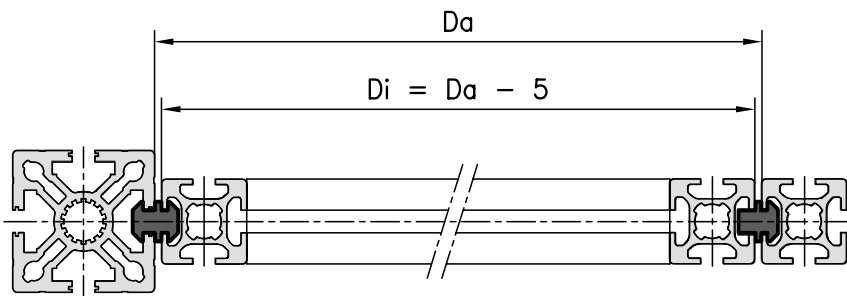
Order data		Order number	
		v = 0 mm	v = 2 mm
Large double truck	L= ... with cover caps	B37-52-02-02/ ...	B37-53-02-02/ ...
Large double truck	L= ... with PVS connector	B37-52-10-10/ ...	B37-53-10-10/ ...
Small double truck	L=... with cover caps	B37-32-02-02/ ...	B37-33-02-02/ ...
Small double truck	L=... with PVS connector	B37-32-10-10/ ...	B37-33-10-10/ ...

Plastic slide extrusions



Specification

Black PE
 Sliding friction coefficient: 0,2
 Heat resistance to DIN 53461:
 -250 °C to 100 °C
 Indentation hardness to DIN 53456:
 39N/mm²



Measurement data

Extrusion base	A	B	C	D	E
50/40	21	21	4.1	4.1	2.3
50/40-30/20	14	16	4.1	2.2	2.3
30/20	14	14	2.2	2.2	2.3



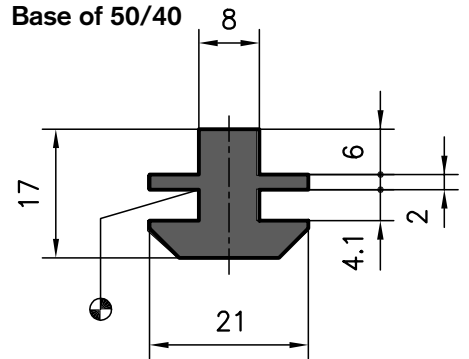
Application

Ideal for any shape of slide guide, for instance for sliding doors or drawer runners. Simply push the slide extrusion into the aluminium extrusion slots – you can create a perfect, hard-wearing guide as easily as that.

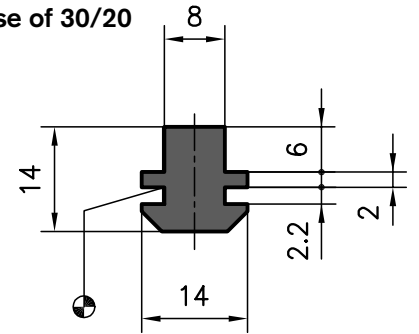
Make the inner frame 5 mm smaller than the inner width of the outer frame. It is also ideal for static extrusion assemblies.



Base of 50/40



Base of 30/20



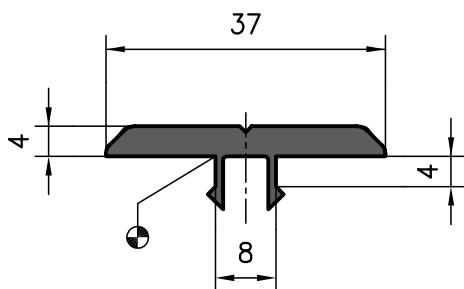
Order data Order number

Plastic slide extrusion	Base of 50 / 40
Standard length 4000 mm	A39-00-00/4000
Cut to length	A39-00-02-02/ ...
Plastic slide extrusion	Base of 50 / 40 - 30 / 20
Standard length 4000 mm	AB39-00-00/4000
Cut to length	AB39-00-02-02/ ...
Plastic slide extrusion	Base of 30 / 20
Standard length 4000 mm	B39-00-00/4000
Cut to length	B39-00-02-02/ ...

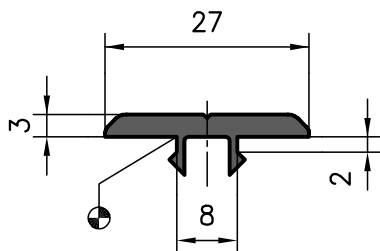
Order data Order number

Plastic slide extrusion	Base of 50/40
Standard length 4000 mm	A39-05-00/4000
Cut to length	A39-05-02-02/ ...
Plastic slide extrusion	Bases of 30/20
Standard length 4000 mm	B39-05-00/4000
Cut to length	B39-05-02-02/ ...

Base of 50/40



Base of 30

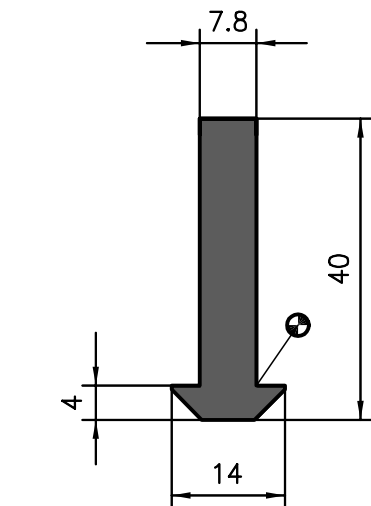
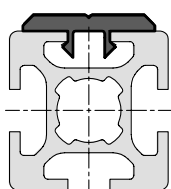


Application

This slide extrusion is mounted on the extrusion, acting as a sliding carrier for goods or pallets. The slide extrusion can also be used as a protective strip.

Specification

PE, black



Application

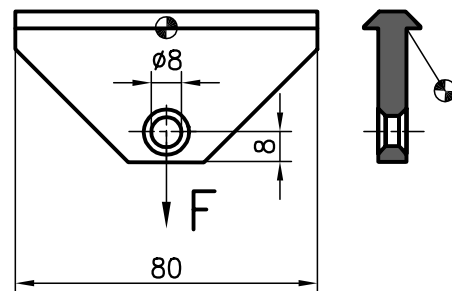
For single sliding doors, suspended fittings, cable supports and many other uses. Fits all standard KANYA extrusions.

Specification

PE, black



Sliding hook



Application

The sliding hook is ideally suited for suspended tool applications or as a cable guide. It is simply pressed into the extrusion slot and moves freely. Other lengths of multiple-hole versions are available on request.

Specification:

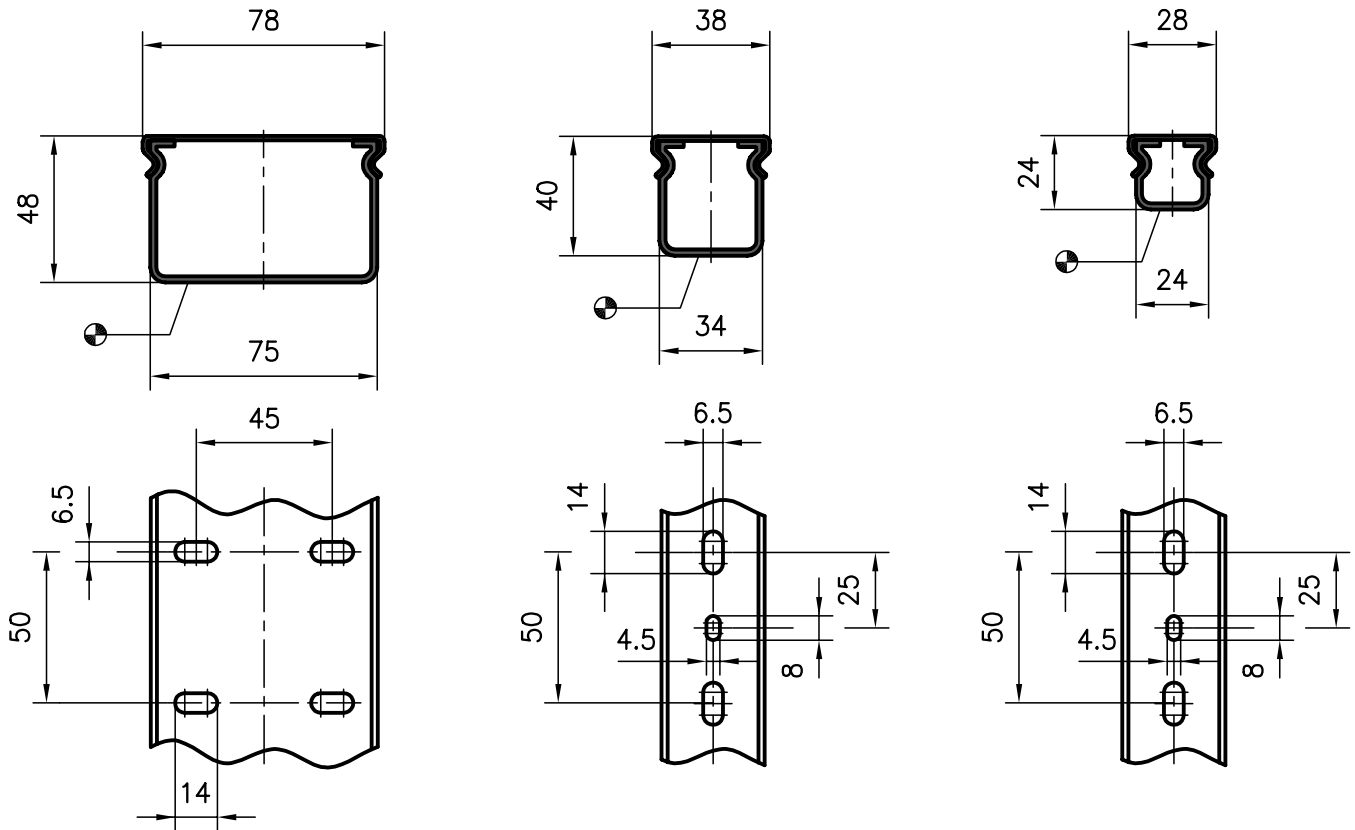
Slider: PE, black
 made from a plastic slide extrusion, A69-0-00
 load-bearing capacity: F = 300 N
 Spring hook: chromium-plated steel

Order data	Order number
Plastic slide extrusion	Base of 50/40
Standard length 4000 mm	AC39-20-00/4000
Cut to length	AC39-20-02-02/
Plastic slide extrusion	Base of 30
Standard length 4000 mm	B39-20-00/4000
Cut to length	B39-20-02-02/

Order data	Order number
Plastic slide extrusion	Basis 50/40/30/20
Standard length 4000 mm	A69-0-00/4000
Plastic slide extrusion	
Cut to length	A69-0-02-02/....

Order data	Order number
No spring hook	A69-00
With a spring hook	A69-01

Cable ducts



Application

The cable ducts are placed directly into the extrusions and are secured in place with the retaining clips supplied. The duct is easy to open or close any time as it is fitted with a press-on cover. The slotted sides enable cables to be fed in and out at any point.

Specification

UPVC, light grey
 (Standard lengths: solid cable duct 5000 mm, slotted cable duct 2000 mm)

Parts supplied

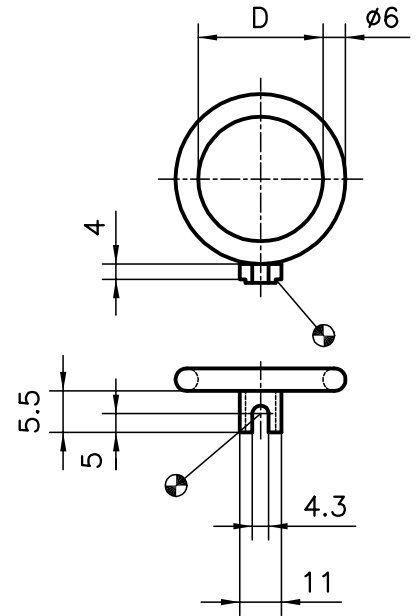
Cable duct and retaining clips
 (quantity depends on the length of duct)



Order data	Order number	
	closed	slotted
75 mm wide cable duct Standard lengths Cut to length	A38-00-00/5000	A38-01-00/2000
	A38-00-02/	A38-01-02/
34 mm wide cable duct Standard lengths Cut to length	C38-00-00/5000	C38-01-00/2000
	C38-00-02/	C38-01-02/
24 mm wide cable duct Standard lengths Cut to length	B38-00-00/5000	B38-01-00/2000
	B38-00-02/	B38-01-02/
Retaining clips for a base 50/40	AC38-20	
Retaining clips for a base 30	B38-20	



Installation rings



Application

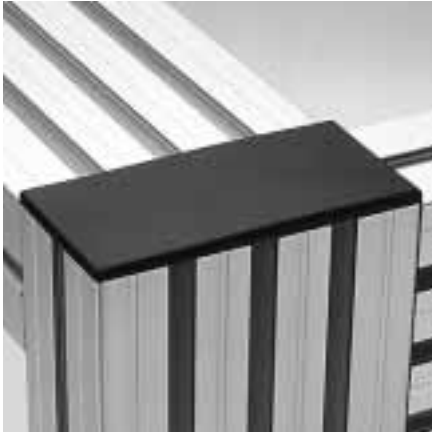
Installation rings are ideal for holding cables and pipes in place, and as tool holders. The rings can be fixed into the 8 mm extrusion slot using an M4 screw. They are held in place without twisting in the slot. There are two different diameters of rings available to cover the various possible applications.

Specification

PA-GF, black

Order data		Order number
	D	
Installation ring	Ø 18	B50-20
Installation ring	Ø 33	B50-30

End caps



Application

End caps are used as covers for the exposed ends of extrusions. They prevent injury from the sharp edges of the extrusions. Special centring elements make them easy to fix and prevent the caps from twisting.

Order data	Order number
End cap 50 x 50	A40-10
End cap 50 x 50	A40-19 (extr. A19-1)
End cap 50 x 45°	A40-80
End cap 50 x 100	A40-20
End cap 50 x 150	A40-30
End cap 100 x 100	A40-50
End cap 40 x 40	C40-10
End cap 40 x 80	C40-30
End cap 40 x 120	C40-90
End cap 80 x 80	C40-20
End cap 40 x 45°	C40-80
End cap 30 x 30	B40-30
End cap 30 x 30	B40-10 (extr. B01-1)
End cap 30 x 30	B40-80 (extr. B01-8)
End cap 30 x 50	B40-90
End cap 30 x 60	B40-60
End cap 30 x 95	B40-50
End cap 30 x 100	B40-20
End cap 30 x 120°	B40-40
End cap 30 8-Kt.	B40-15
End cap 20 x 20	D40-30
End cap 20 x 47	D40-20
End cap 20 x 40	D40-60
End cap 20 x 150	D40-19

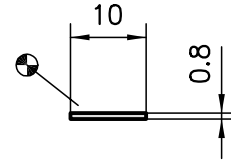
Specification

PA-GF, black

Extrusion	Cap height
Base of 50 / 40	4 mm
Base of 30 / 20	3 mm



Aluminium filler strip



Application

These aluminium strips can be used to blank off the longitudinal slots on all extrusions with a base of 40 and 50. They are extremely easy to cut to length using tin snips or shears. They can be supplied at short notice in any RAL colour in addition to the standard colours (natural anodised or black powder coated).

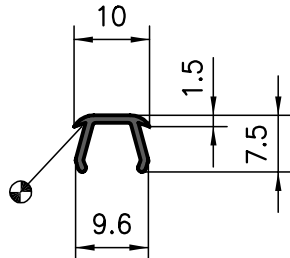
Specification

Aluminium 0.8x 10
black or anodised



Order data	Order number
Filler strip, black powder coated	
L = 1000 mm	A39-10
L = 2000 mm	A39-12
Filler strip, anodised in a natural colour	
L = 1000 mm	A39-15
L = 2000 mm	A39-17

PVC filler strips



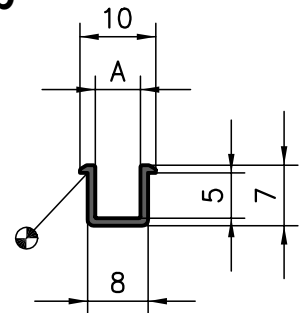
Application

The PVC filler strip can be clipped into the 8 mm longitudinal slot on any extrusion after assembly and is available in grey or black.

Specification

Grey or black PVC

Channel reducing strip



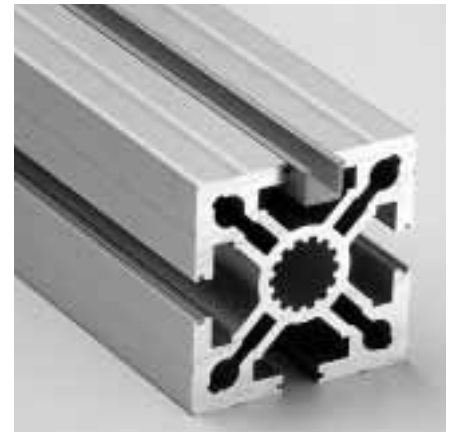
Application

Channel reducing strips are used if 3, 4 or 5 mm panels are to be inserted into the extrusion slots.

Specification

Grey PVC for panels of 3, 4 or 5 mm in thickness

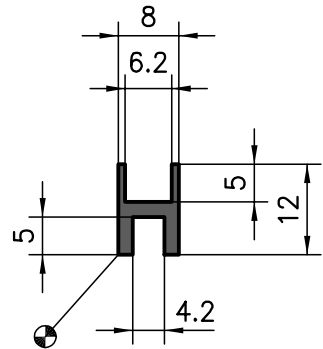
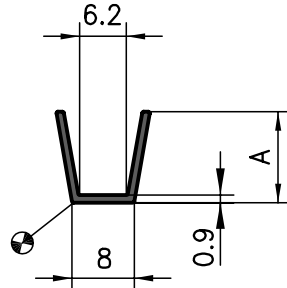
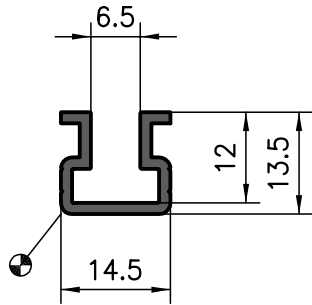
Plate insertion depth: 4 mm



Order data	Order number
Grey PVC filler strips	
Standard length 5000mm	A39-25-00/5000
Cut to length	A39-25-02-02/
Black PVC filler strips	
Standard length 5000mm	A39-26-00/5000
Cut to length	A39-26-02-02/

Order data	Order number
Channel reducing strip A = 3,5 mm	
Standard length 5000 mm	A39-33-00/5000
Cut to length	A39-33-02-02/
Channel reducing strip A = 5,5 mm	
Standard length 5000 mm	A39-35-00/5000
Cut to length	A39-35-02-02/ ...
Channel reducing strips are available in black PVC on request	

Channel reducing strips

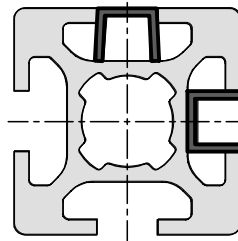


Application

To hold panels which are 5 or 6 mm thick. They can also be inverted to blank off the slots on triple channel extrusions.

Specification

Grey PVC for panels of 5 or 6 mm in thickness
Panel insertion depth: 11 mm



Application

Used in combination with the B39-55 channel reducing strip, this H-strip allows lift-on or lift-off panels to be inserted or removed.

Bottom: B39-35

Top: B39-55

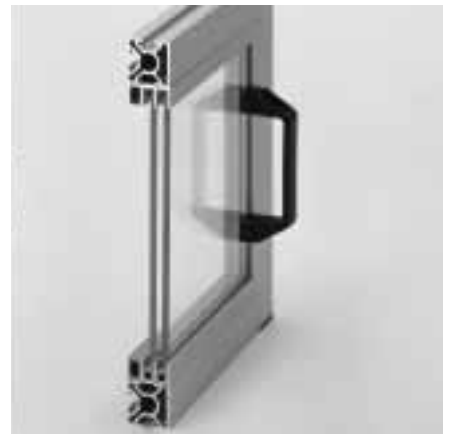
Specification

Grey PVC for panels of 4,5 or 6 mm in thickness



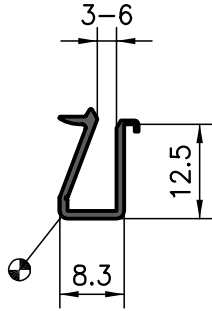
Order data	Order number
Channel reducing strip for extrusion A05-1	
Standard length 5000 mm	A39-55-00/5000
Cut to length	A39-55-02-02/ ...
Channel reducing strips are available in black PVC on request	

Order data	Order number
Channel reducing strip for A extrusions	
A = 14.5 mm	
Standard length 5000 mm	A39-50-00/5000
Cut to length	A39-50-02-02/ ...
Channel reducing strip for C extrusions	
A = 10 mm	
Standard length 5000 mm	C39-50-00/5000
Cut to length	C39-50-02-02/ ...
Channel reducing strip for B extrusions	
A = 6.5 mm	
Standard length 5000 mm	B39-50-00/5000
Cut to length	B39-50-02-02/ ...
Channel reducing strip for B05-1 extrusions	
A = 12 mm	
Standard length 5000 mm	B39-55-00/5000
Cut to length	B39-55-02-02/ ...
Channel reducing strips are available in black PVC on request	



Order data	Order number
H-strip for B05-1 extrusions	
Standard length 5000 mm	B39-35-00/5000
Cut to length	B39-35-02-02/ ...

PVC clamping extrusion Supporting extrusion

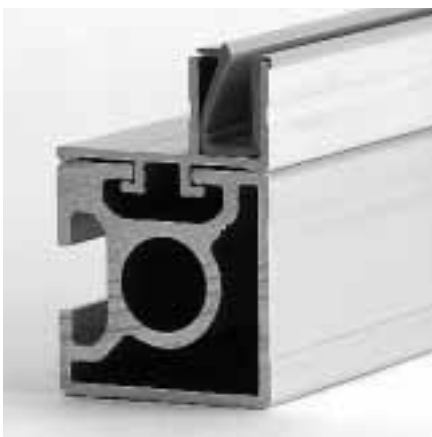


Application

Used in combination with B05-1 and B05-7 extrusions to hold panels which are 3-6 mm thick.

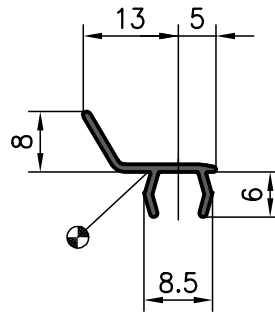
Specification

Grey PVC
Plate insertion depth: 11 mm



Order data	Order number
Clamping extrusion	
Standard length 5000 mm	B39-45-00/5000
Cut to length	B39-45-02-02/...

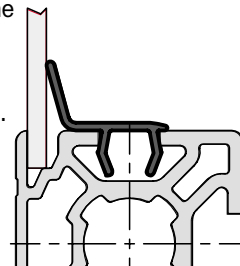
Supporting extrusion



Application

The supporting extrusion has two functions:

1. It gives optimum support (pressure) to thin panels which are inserted into the narrow slots.
2. At the same time it also covers the extrusion connector slots.

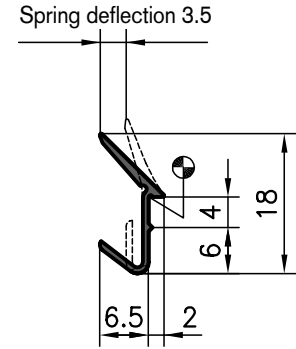


Specification
Grey PVC



Order data	Order number
Supporting extrusion	
Standard length 5000 mm	B39-25-00/5000
Cut to length	B39-25-02-02/...

Wedge extrusion



Application

The wedge extrusion can be pressed into the slot on extrusions with a base of 40 or 50 mm. The force holds the panels tightly in place, however thick they are.

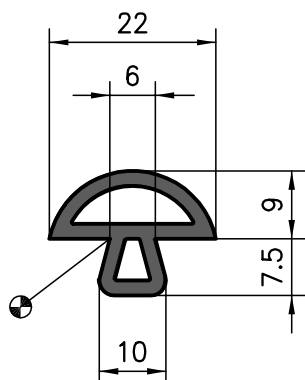
Specification

Grey PVC



Order data	Order number
Wedge extrusion	
Standard length 5000 mm	C39-45-00/5000
Cut to length	C39-45-02-02/...

Semi-circular sealing strip



Application

This is used, for example, to seal off clean-room doors. Fits all standard KANYA extrusions.

Specification

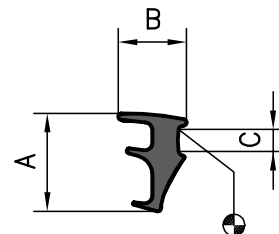
Black neoprene rubber, oil-resistant.



Order data	Order number
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Semi-circular sealing strip	
Standard length 5000 mm	A39-85-00/5000
Cut to length	A39-85-02-02/

Clamping sealing strip

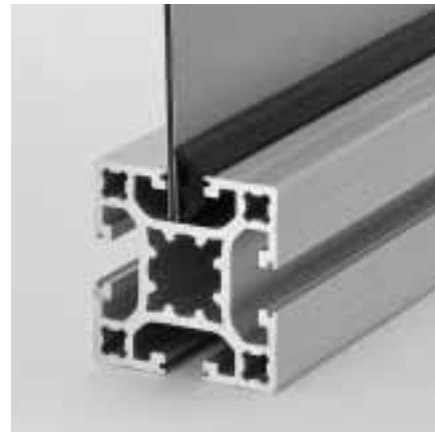


Application

This sealing strip is used to stabilise and seal panels. It is fitted after the panels are inserted.

Specification

Black neoprene rubber, oil-resistant.



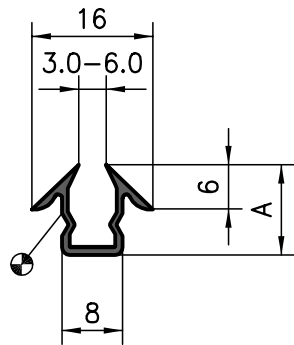
Measurement data

	A	B	C
Panels 1-3 mm thick	13	9	4
Panels 3-4 mm thick	10.5	7.5	3

Order data

Order data	Order number
Clamping sealing strip	
Panels 1-3 mm thick	
Standard length 5000 mm	A39-80-00/5000
Cut to length	A39-80-02-02/...
Panels 3-4 mm thick	
Standard length 5000 mm	A39-81-00/5000
Cut to length	A39-81-02-02/...

U-sealing strip

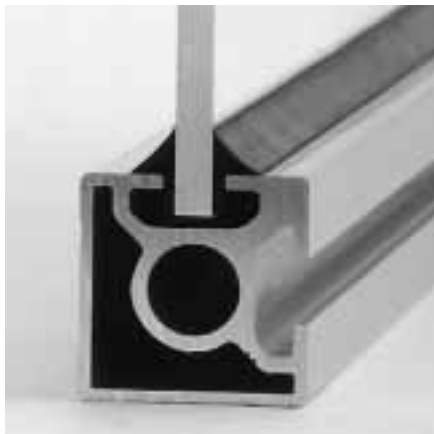


Application

This sealing strip can be inserted into the 8 mm slots on any extrusions and is suitable for panels measuring between 3 and 6 mm in thickness.

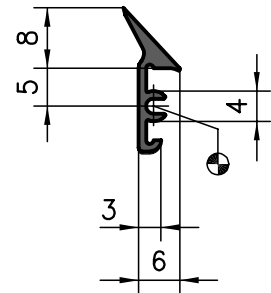
Specification

Black neoprene rubber, oil-resistant.



Order data	Order number
U-sealing strip, A = 12 mm	40 / 30 mm base
Standard length 5000 mm	B39-65-00/5000
Cut to length	B39-65-02-02/
U-sealing strip, A = 18 mm	50 mm base
Standard length 5000 mm	A39-65-00/5000
Cut to length	A39-65-02-02/

K-sealing strip

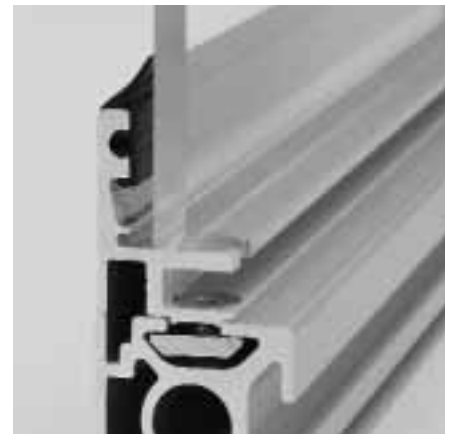


Application

Fits the B05-5 / B05-6 mounting and clamping extrusions.

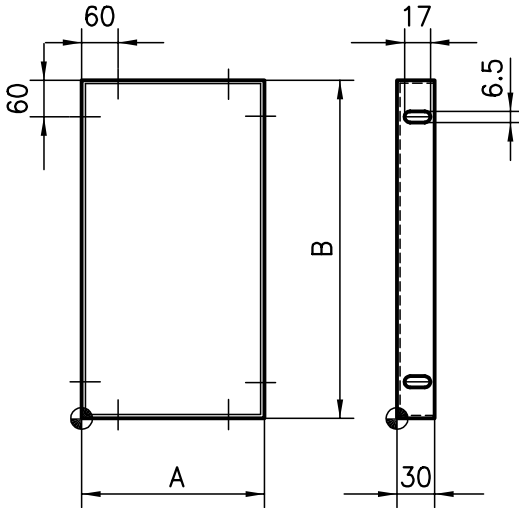
Specification

Black neoprene rubber, oil-resistant.



Order data	Order number
K-sealing strip	
Standard length 5000 mm	B39-75-00/5000
Cut to length	B39-75-02-02/

Enclosure panels



Application

These panels are used to strengthen and enclose structures which are subject to heavy loads. Sheet steel enclosure panels serve two functions; firstly, they ensure safety and secondly, they enclose the machines attractively.

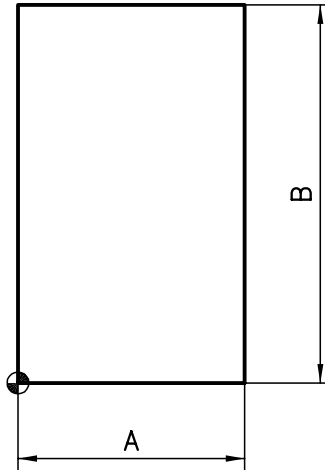
Specification

1.5 mm sheet steel, powder coated, maximum size: 900 x 1500 mm
 Colour: RAL shade requested by the customer



Order data	Order number
Enclosure panel, state colour	B53-00 A x B

Aluminium sheets



Application

All types of enclosures.

Specification

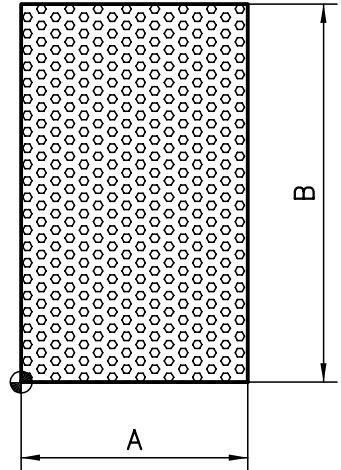
1.5 mm and 3 mm sheet aluminium
 Anodised in a natural colour on one side with a protective film
 Maximum size: 1000 x 2000 mm

Other colours or powder coated aluminium sheets are available on request



Order data	Order number
Aluminium sheet, 1.5 mm	A53-15 A x B
Aluminium sheet, 3 mm	A53-30 A x B

Expanded metal

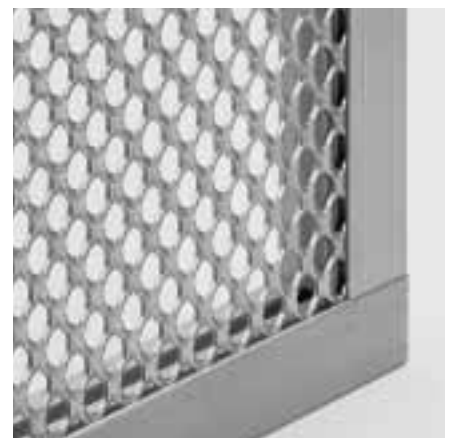


Application

The panel for designers with taste – light and attractive, but nonetheless sturdy. Can be used for virtually any purpose.

Specification

Aluminium 2 mm, raw
 Maximum size: 1000 x 2000 mm



Order data	Order number
Expanded metal	A54-20 A x B

Composite panels



Application

Intrinsically high strength enclosure panels. The thicknesses of the panels fit the narrow slots of the different 30 mm base extrusions, guaranteeing a tidy finish.

«DIBOND» specification

Composite panel lined on either side with 0.3 mm thick aluminium sheets. Stove-enamelled on either side.

Thickness: 2.0 mm

Colour: aluminium metallic finish

Thickness: 3.0 mm

Colour: white, similar to RAL 9016
light ivory, similar to RAL 1015
blue, similar to RAL 5002
black, similar to RAL 9017

Size: max. 1250 x 2500 mm

Order data	Order number
DIBOND 2 mm	A51-12 A x B
DIBOND 3 mm, state colour	A51-13 A x B



«ALUCOBOND» specification

Composite panel lined on either side with 0.5 mm thick aluminium sheets.

Thickness: 3.0 mm

Surface: anodised in a natural colour on either side

Thickness: 4.0 mm

Surface: rolled matt (natural) on either side

Size: max. 1250 x 2500 mm

Order data	Order number
ALUCOBOND 3 mm	A51-23 A x B
ALUCOBOND 4 mm	A51-24 A x B

Micro chipboard



Application

This inexpensive panelling is inserted directly into the 8 mm slot on extrusions. The panels are lined with a white film on either side. They are highly fire-retardant and are used most commonly in the construction of exhibition stands and shop fittings.

Specification

Plastic-coated pressboard.

Highly fire-retardant according to DIN 4102

Thickness: 6 mm

Size: max. 2100 x 2800 mm

Colour: white

Other colours are available on request.

Order data	Order number
Micro dense fibreboard	A50-57 A x B

Full-plastic panels



Application

For enclosures subject to heavy loads. Suitable for metal machining and hot or cold forming. Plastic panels are inserted directly into the extrusion channels or fitted by means of A/B30-... fixing brackets or A64-... quick-release fasteners.

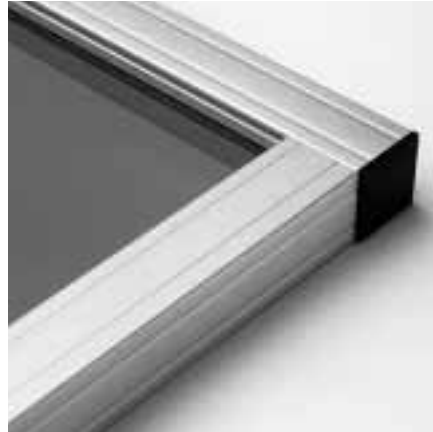
Specification

Rigid plastic foam,
scratch-proof and impact-resistant,
oil-resistant
highly fire-retardant according to DIN
4102 (self-extinguishing)
Thickness: 3, 4, 6, 8 mm
Size: max. 1220 x 2440 mm
Colour: white

Other colours may be supplied on request.

Order data	Order number
3 mm all-plastic panel	A50-63 A x B
4 mm all-plastic panel	A50-64 A x B
6 mm all-plastic panel	A50-66 A x B
8 mm all-plastic panel	A50-68 A x B

Acrylic glass



Application

For machine safety enclosures, room partitions and display cases. Suitable for metal machining and hot forming.

Specification for acrylic glass

Colours: transparent, blue, smoked effect or tinted brown
Thicknesses: 3, 4, 5, 6, 8 mm
Size: max. 2000 x 3000 mm

Order data	Order number
3 mm acrylic glass, state colour	A50-13 A x B
4 mm acrylic glass, state colour	A50-14 A x B
5 mm acrylic glass, state colour	A50-15 A x B
6 mm acrylic glass, state colour	A50-16 A x B
8 mm acrylic glass, state colour	A50-18 A x B

Polycarbonate



Specification for polycarbonate

Colours: transparent, smoked effect / tinted brown
Thicknesses: 3, 4, 5, 6, 8 mm
Size: max. 2000 x 3000 mm

Order data	Order number
3 mm polycarbonate, state colour	A50-33 A x B
4 mm polycarbonate, state colour	A50-34 A x B
5 mm polycarbonate, state colour	A50-35 A x B
6 mm polycarbonate, state colour	A50-36 A x B
8 mm polycarbonate, state colour	A50-38 A x B

Steel wire mesh



Application

For safety guards, store partitions. Can be inserted directly into the 8 mm slot on the extrusion together with the B19-6 U-clamping extrusion.

Specification

Zinc-coated steel

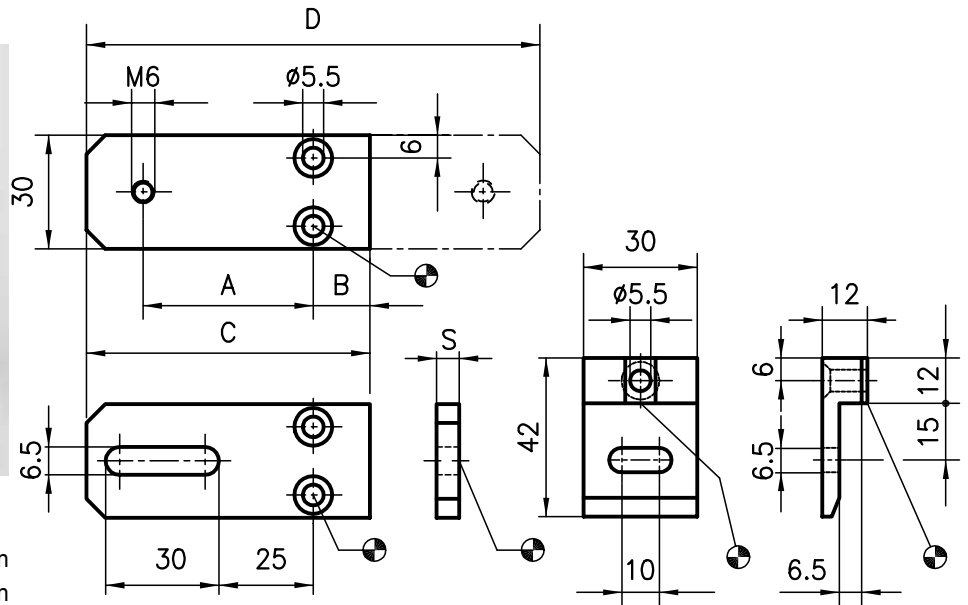
Mesh width: 40 mm

Wire thickness: 4 mm

Size: max. 1000 x 2000 mm

Aluminium woven wire mesh available on request.

Suspended guard fixings



Application

The double or single plates mounted on the fixed supports and the suspension bracket on the protective frame of the machine serve to create a safe guard which can be fitted and removed in seconds. An additional locking screw can be used to prevent it being taken off accidentally.

Parts supplied

1 single plate + 1 suspension bracket
1 double plate + 2 suspension brackets

Fixing kit*

Screws and threaded plate

Specification

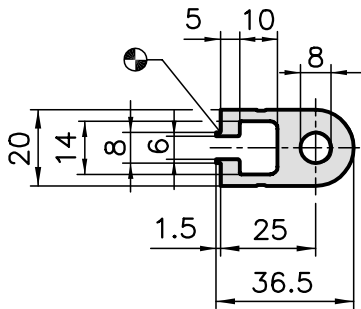
Al, natural

Order data	Order number
Steel wire mesh	A50-44 A x B

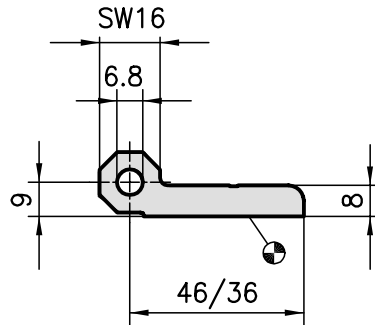
Order data	Order number	
	A	B
	C	D
	S	
50 mm base extrusion	55	20
	90	140
	6	A62-00(-S)*
40 mm base extrusion	45	15
	75	120
	6	C62-00(-S)*
30 mm base extrusion	35	10
	60	100
	6	B62-00(-S)*
Slotted single palte	-	15
	75	-
	6	C62-10(-S)*
	-	-
	-	-

* Fixing kit: add -S to the order number

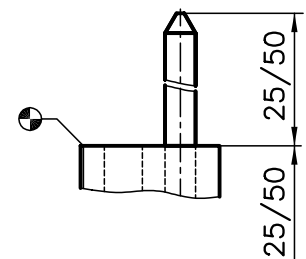
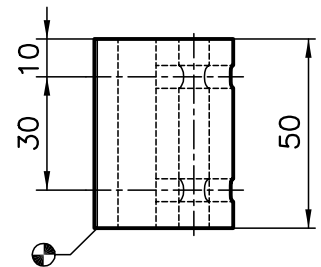
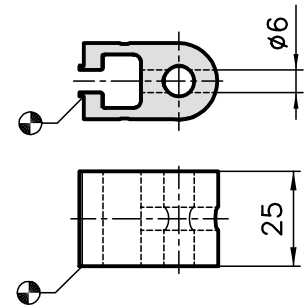
Hinge extrusion type A60-5



Hinge extrusions type A60-6/C60-6



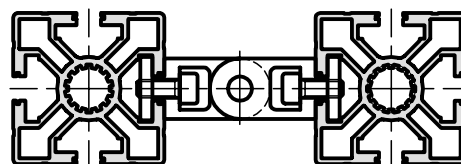
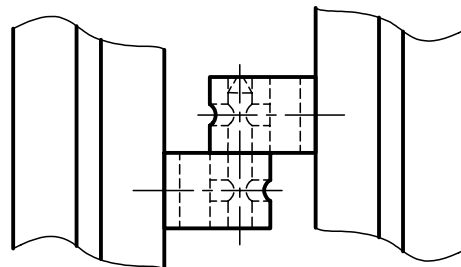
Hinges



Application

This is used as the base material for manufacturing the following hinge assemblies (allowing doors to be hung or lifted-off).

Order data	Order number
20 x 36.5 hinge extrusion	
Standard length 5000 mm	A60-5-00/5000
Cut to length	A60-5-02-02/...
8 x 46 hinge extrusion	
Standard length 3000 mm	A60-6-00/3000
Cut to length	A60-6-02-02/...
8 x 36 hinge extrusion	
Standard length 3000 mm	C60-6-00/3000
Cut to length	C60-6-02-02/...



Application

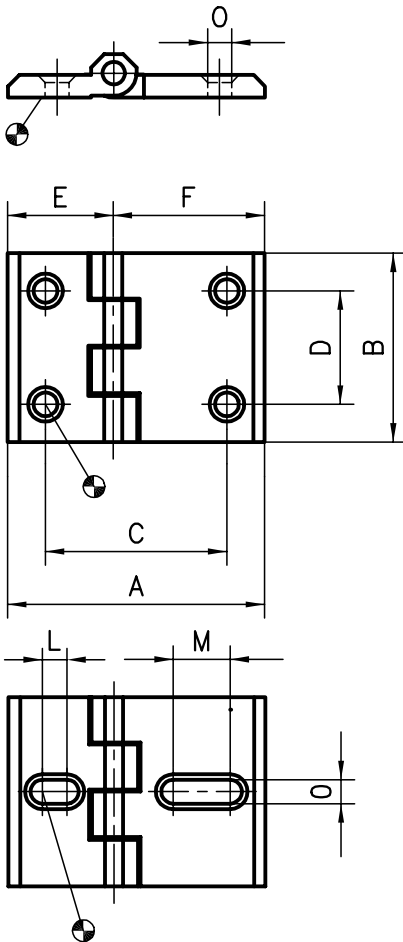
The advantage of these mounted hinges is that it is easy to hang or lift off the door. A secure fixture is guaranteed by replacing the hinge pin with an M8 screw.

Specification

Hinge component: aluminium, anodised in natural colours
Pin: zinc-coated steel

Order data	Order number	
	L = 25	L = 50
Hinge component, no pin	A60-50	A60-55
Hinge component, with a pin	A60-51	A60-56

Fixed type



Application

All types of swing doors and windows. The accurately machined hinges are very sturdy, swivel very effectively and last a long time.

Fixing kit

Countersunk screws and threaded plates

Specification

GD-Zn, black powder coated, aluminium, matt, anodised in natural colours or black
 PA-GF (plastic hinges)
 Pin: zinc-coated steel

Lift-off type

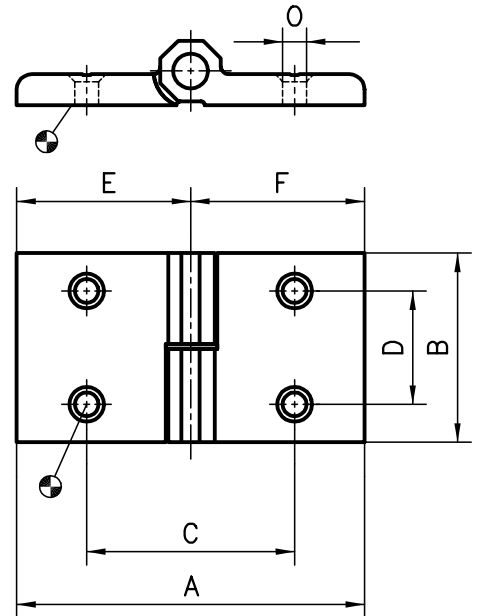


Fig. Right-opening hinge

Order data

Order number

GD-Zn, black

	A	B	C	D	E	F	L	M	O	Order number
50 base	76	50	56	30	38	38	-	-	6.3	A60-00
50/40 base										
50/30 base	63	50	43	30	25	38	-	-	6.3	AB6-00
40 base										
30 base	50	50	30	30	25	25	-	-	6.3	B60-00
20 base	40	40	25	25	20	20	-	-	5.3	D60-00
Hinge with an elongated hole	80	50	42-62	40	40	10	10	6.3		A60-10
	68	50	37-51	28	40	5	10	6.3		AB6-10
	56	50	30-40	28	28	5	5	6.3		B60-10

Plastic PA-GF, black

50 base	76	50	56	30	38	38	-	-	6.3	A60-00-PA
50/40 base										
50/30 base	63	50	43	30	25	38	-	-	6.3	AB6-00-PA
40 base										
40/30 base										
30 base	50	50	30	30	25	25	-	-	6.3	B60-00-PA

Order data

Order number

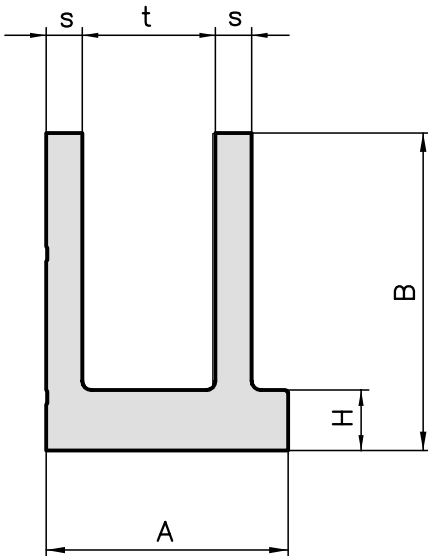
Aluminium, anodised

A	B	C	D	E	F	O	left	right	Fixing kit
92	50	54	30	46	46	6.5	A60-60	A60-61	A60-00-S
82	50	49	30	46	36	6.5	AC6-60	AC6-61	A60-00-S
									AB6-00-S
72	50	44	30	36	36	6.5	C60-60	C60-61	A60-00-S
									B60-00-S
									D60-00-S
									A60-10-S
									AB6-10-S
									B60-10-S

Plastic PA-GF, black

96	48	55	28	48	48	6.5	A60-60-PA	A60-61-PA	A60-00-S
86	48	50	28	48	38	6.5	AC6-60-PA	AC6-61-PA	A60-00-S
77	48	40	28	48	29	6.5	AB6-60-PA	AB6-61-PA	AB6-00-S
76	48	45	28	38	38	6.5	C60-60-PA	C60-61-PA	A60-00-S
67	48	40	28	38	29	6.5	CB6-60-PA	CB6-61-PA	AB6-00-S
58	48	35	28	29	29	6.5	B60-60-PA	B60-61-PA	B60-00-S

Joint extrusions



Measurement data

Base	A	B	H	L	s	t
50	50	67.5	15	85	8	26
40	40	52.5	10	65	6	22

Application

The base material for manufacturing the following joints.

Specification

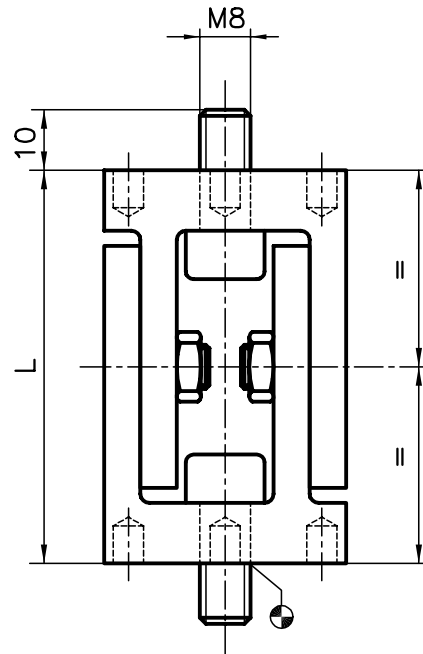
Aluminium, natural



Order data

Order number

50 x 67.5 joint extrusion	
Standard length 3000 mm	A61-0-00/3000
Cut to length	A61-0-02-02/...
40 x 52.5 joint extrusion	
Standard length 3000 mm	C61-0-00/3000
Cut to length	C61-0-02-02/...

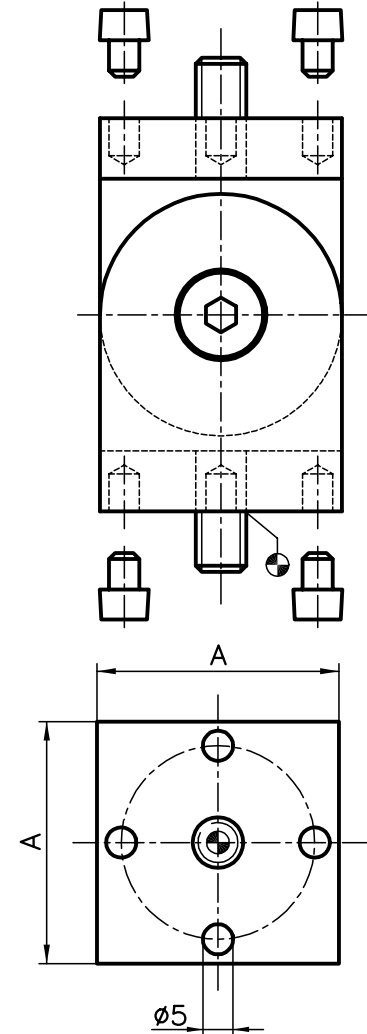


Application

Mainly used to strengthen structures with diagonal braces. It is also suitable to be used as a hinge for swivelling equipment stands, doors, etc. The (5 mm holes are designed to take dowels (which are included). Insert the dowels to give greatest stability.



Joints



Specification

Aluminium, matt, anodised in natural colours

Screws and flats: zinc-coated steel

Parts supplied

- 2 assembled joint halves
- 2 M8 fixing screws
- 2 threaded plates
- 4 flats

Order data

Order number

Joint 50	A61-00
Joint 40	C61-00

Corner pieces



Application

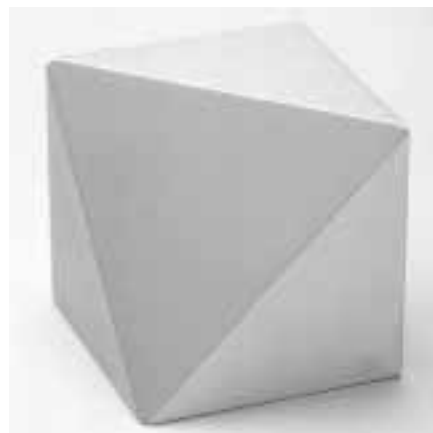
Gives an attractive finish to the corners of display cases, work benches, office furniture, cabinets and other well designed structures. Available rounded or diagonally cut.

Fixing kit*

3 PVS connectors with an M8 thread

Specification

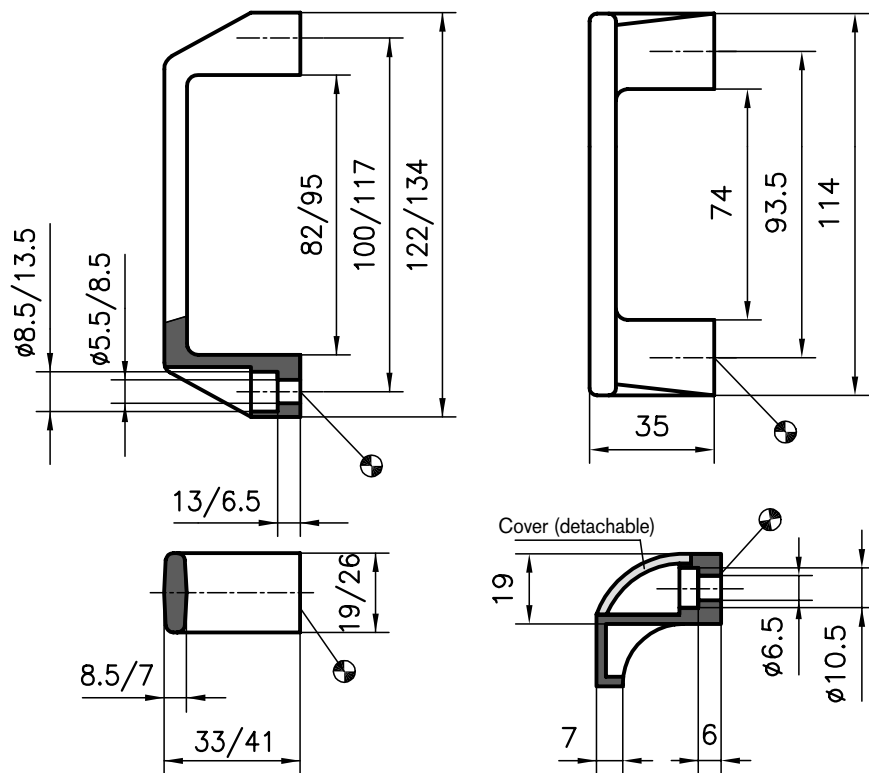
Aluminium, anodised in natural colours
Attached by a PVS M8 threaded connector



Order data	Order number	
	round	flat
Base 50 extrusion corner piece	A70-00(-S)*	A71-00(-S)*
A02-8 extrusion corner piece		A71-08(-S)*
Base 40 extrusion corner piece	C70-00(-S)*	C71-00(-S)*
C02-8 extrusion corner piece		C71-08(-S)*
Base 30 extrusion corner piece	B70-00(-S)*	B71-00(-S)*
Base 20 extrusion corner piece	D70-00(-S)*	D71-00(-S)*

*Fixing kit: add -S to the order number

Handles



Application

Highly versatile. Two sizes are available from standard stock. Fixed in place from the inside or outside using M5/8 screws.

Specification

PA-GF, black

Application

A modern looking, ergonomic handle (mainly used on 20 and 30 base extrusions).

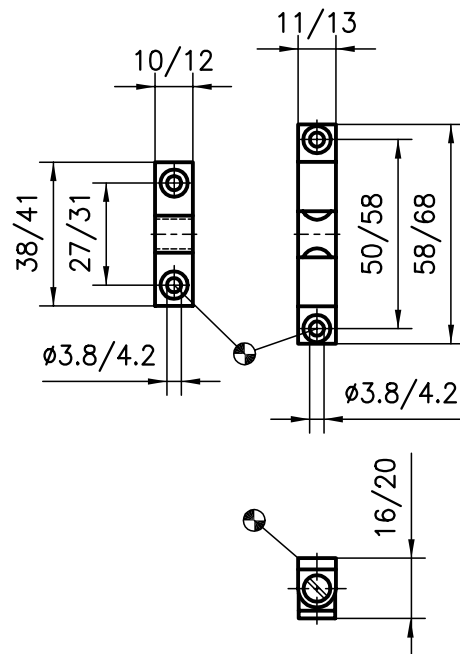
Specification

PA-GF, black

Colours of covers:

dark grey, grey, yellow, orange, blue, red

Ball catches



Application

The ball catch is used to hold swivel and sliding doors in a fixed position. Among its many other uses it is an ideal locking mechanism on moving structures.

Specification

Brass (chromium-plated steel balls)



Order data	Order number
Small handle	B65-01
Large handle	A65-01

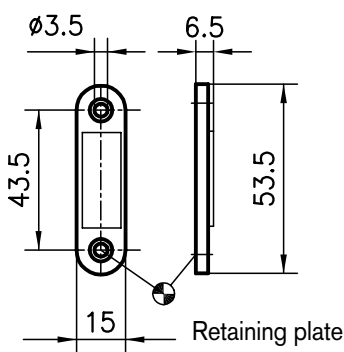
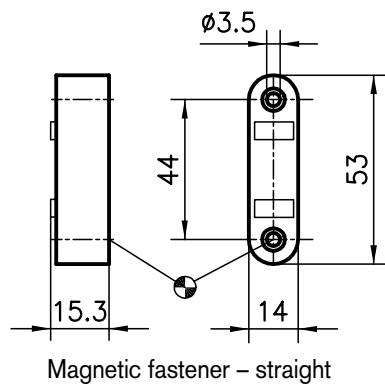
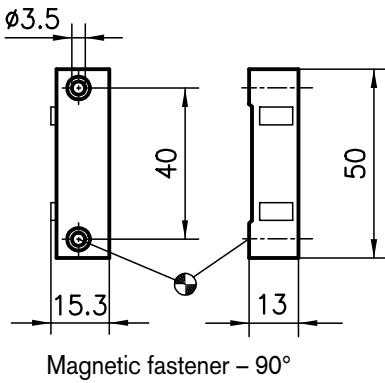


Order data	Order number
Ergo handle	D65-01



Order data	Order number
Small ball catch	A66-00
Large ball catch	A66-10

Magnetic fasteners



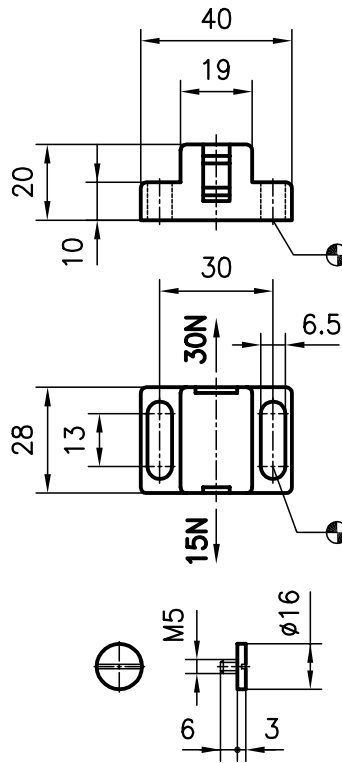
Application

The magnetic fastener is suitable for window catches and simple door catches, with its relatively low retention force.

Specification

White plastic housing with a permanent magnet / small steel plate

Order data	Order number
Magnetic catch - 90°	A67-00
Magnetic catch - straight	A67-10



Application

This magnetic catch is highly adaptable. You can choose between two retention forces, depending on your requirements. The elongated holes also permit a large adjustment range.

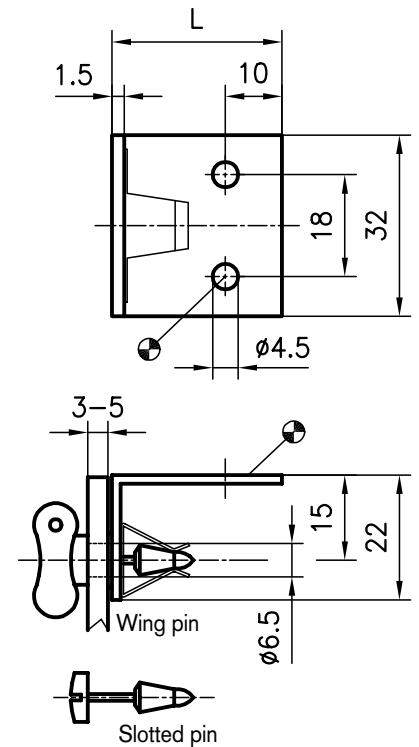
Specification

Black plastic with a permanent magnet / pan-head screw



Order data	Order number
Duo magnetic catch	A67-20

Quick-release fasteners



Application

For the quick fitting and removal of panelling. Simply press the wing or slotted pin in with your thumb; a quarter turn releases it.

Fixing kit*

Screws and threaded plates

Specification

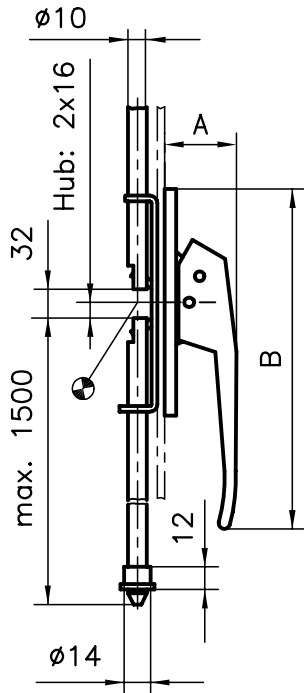
Brackets and bolts: stainless steel
Spacer ring: rubber



Order data	Order number
Quick-release fastener with a wing pin	L = 18 A64-10(-S)* L = 30 A64-11(-S)*
Quick-release fastener with a slotted pin	A64-20(-S)* A64-21(-S)*

*Fixing kit: add -S to the order number

Rod locks



Application

The rod bolt is installed inside 50, 40 and 30 mm base extrusions. The extrusions have to be milled in the area of the handle. It can have a single or double rod locking mechanism. The rod is cut to the appropriate installation length.

Maximum length per rod: 1500 mm

Specification

Handle: PA-GF black

Rod: zinc-coated steel

Fixing kit

Screws and threaded plates, guide bushes

Dimensions: A = 40, B = 177

Order data	Order number		
PA rod lock	Base 50	40	30
1 rod	A68-01	C68-01	B68-01
2 rods	A68-02	C68-02	B68-02
Fixing kit	A68-02-S	C68-02-S	B68-02-S



Specification for the locking version

Handle: aluminium, anodised in natural colours

Rod: zinc-coated steel

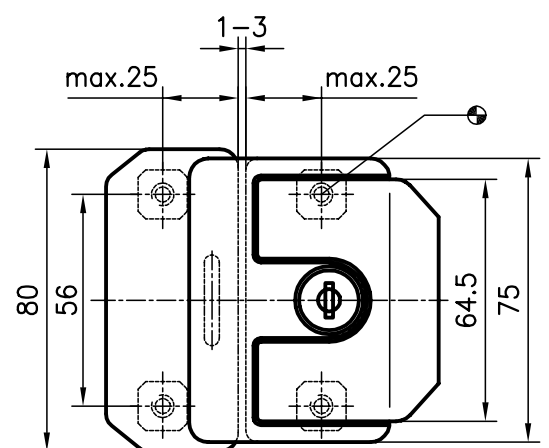
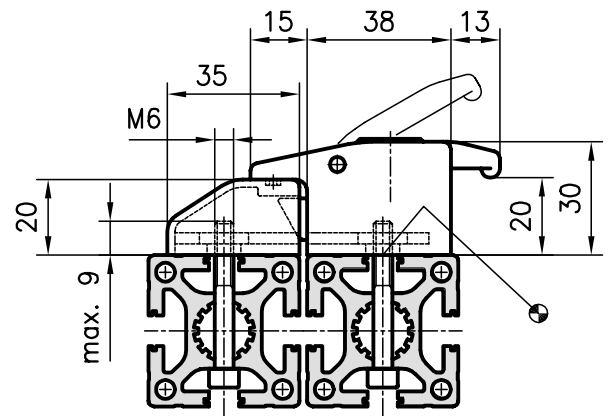
Fixing kit

Screws and threaded plates, guide bushes

Dimensions: A = 50, B = 168

Order data	Order number		
Rod bolt locking (2 keys)	Base 50	40	30
1 rod	A68-14	C68-14	B68-14
2 rods	A68-15	C68-15	B68-15
Rod bolt (non-locking)			
1 rod	A68-04	C68-04	B68-04
2 rods	A68-05	C68-05	B68-05
Fixing kit	A68-02-S	C68-02-S	B68-02-S

Snap-lock



Application

The snap-lock comprises a door housing with a latch as well as a framework housing. Its versatile design allows the lock to be used for different widths of extrusion. Another advantage is that it is very easy to open and close.

Specification

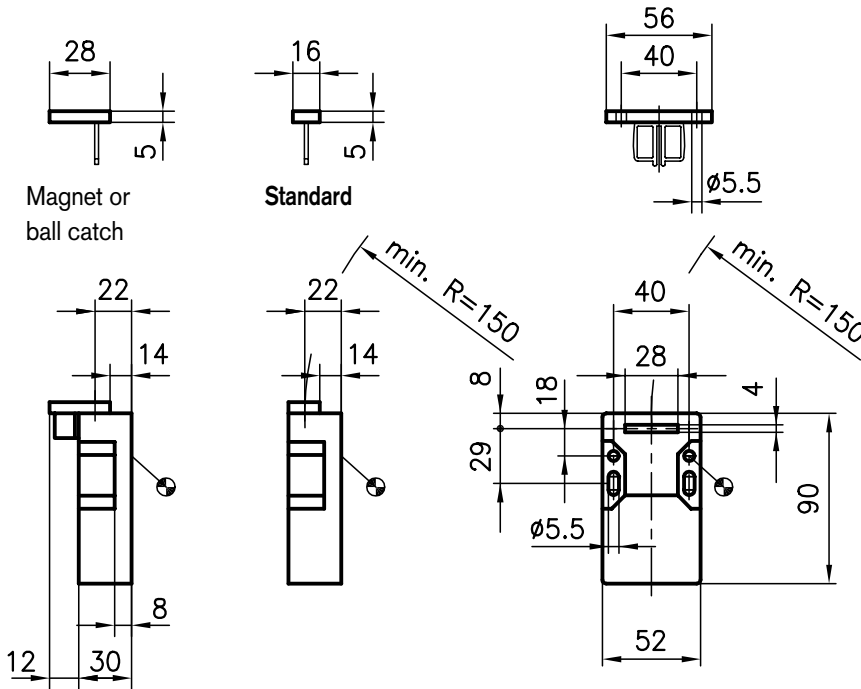
GD-Zn, black

instant locking, 2 keys

Four M6 square nuts

Order data	Order number
Snap-lock	A68-50

Safety switch



Application

Used as a closing or opening contact on safety doors, etc. Used to enable and disable automatic processes.

Specification

- standard
- with a magnet (retention force 30 N)
- with a ball catch (retention force of up to 100 N)

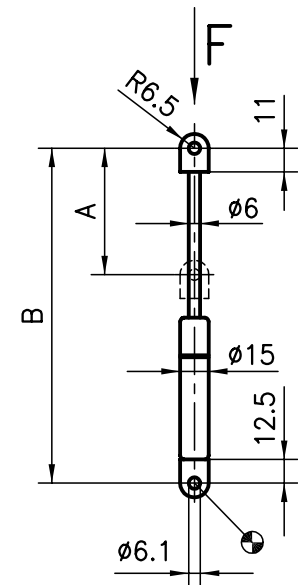


Order data	Order number
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Safety switches (1 break contact, 1 make contact)	
standard	C63-00
magnet	C63-01
ball catch	C63-02

Other switches and hinge switches available on request.

Gas pressure springs



Application

Gas pressure springs ensure that doors and windows, etc. remain in the open and closed positions. The gas pressure springs also supply the force needed to open the door or window.

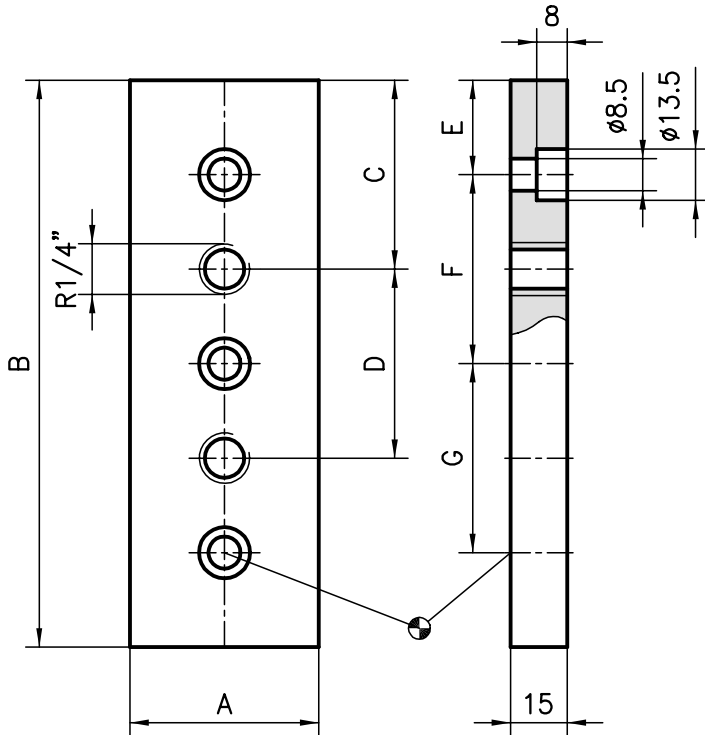


Order data	Order number
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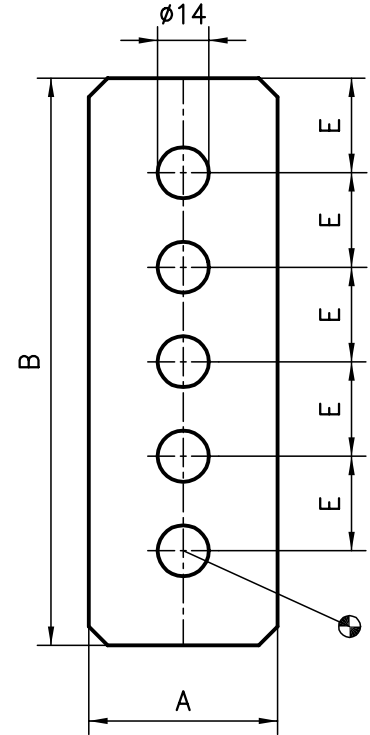
Travel	Total length	Pressure force	
A	B	F	
60	185.5	250N	B67-06-25
80	226.5	350N	B67-08-35
100	265.5	400N	B67-10-40
150	365.5	350N	B67-15-35

Other dim. and pressure forces are available on request.

Sealing plates



Flat sealing element



Application

To seal the cut ends of manifold extrusions. Air, water, oil or other media can be supplied or drained off with the appropriate gas fittings.



Fixing kit*

Screws + threaded inserts

Specification

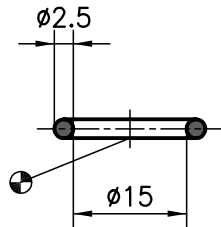
Al, anodised in natural colours
1/4" gas connection

Order data	Order number							
	A	B	C	D	E	F	G	
Sealing plate for the 40 x 80 extrusion	40	80	40	-	20	40	-	C80-30(-S)*
Sealing plate for the 50 x 100 extrusion	50	100	50	-	25	50	-	A80-10(-S)*
Sealing plate for the 50 x 150 extrusion	50	150	50	50	25	50	50	A80-30(-S)*

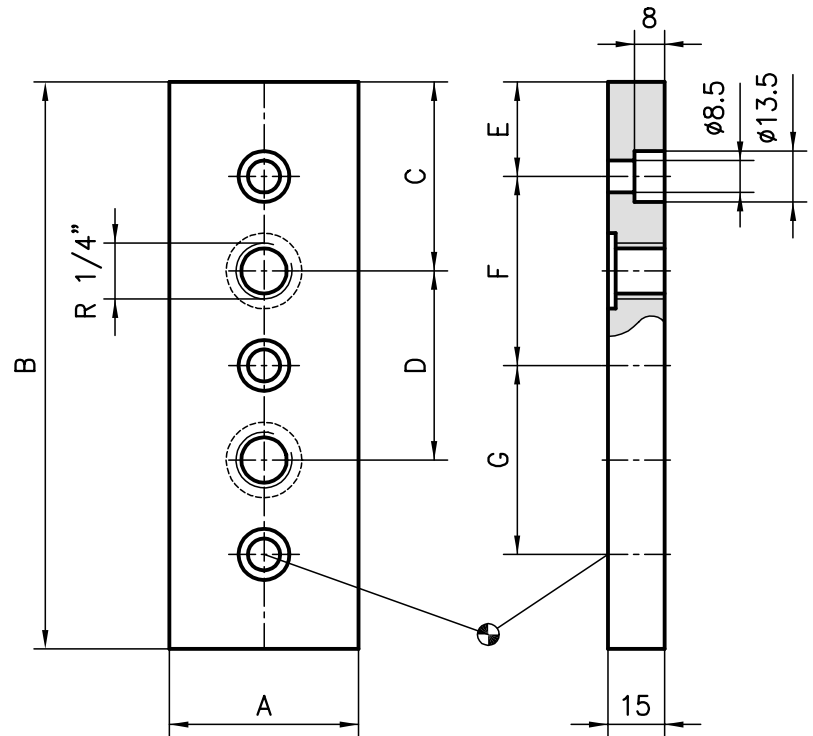
*Fixing kit: add -S to the order number

Order data	Order number
Flat sealing element for the sealing plate 40 x 80 extrusion	C80-31
50 x 100 extrusion	A80-11
50 x 150 extrusion	A80-31

Sealing washer



Junction plates



Application

The flat seal between the sealing plate and the extrusion end or a sealing washer between the junction plates and the side of the extrusion guarantees a seal up to 6 bar.

Specification

Black nitrile rubber
70 shore A

Application

High pressure junction plate for side connections (> 6 bar). The thread for the junction is normally tapped directly into the side of the extrusion. No junction plates are required for side connections to the 40 x 80 extrusion.

Fixing kit*

Screws + threaded plates

Specification

Al, anodised in natural colours
1/4" gas connection



Order data	Order number
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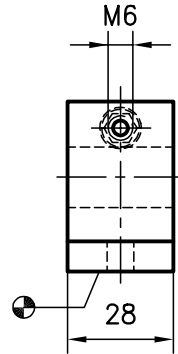
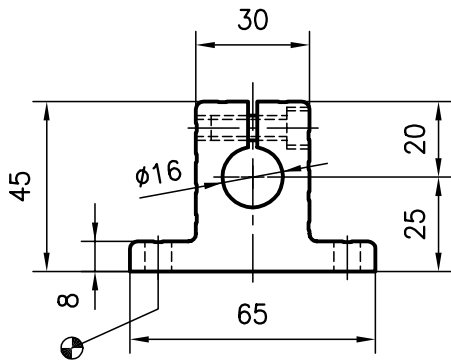
Junction plate sealing washer	
50 x 100	A80-41
50 x 150 (2 x)	A80-42

Order data	Order number
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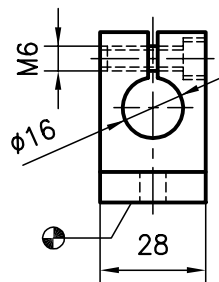
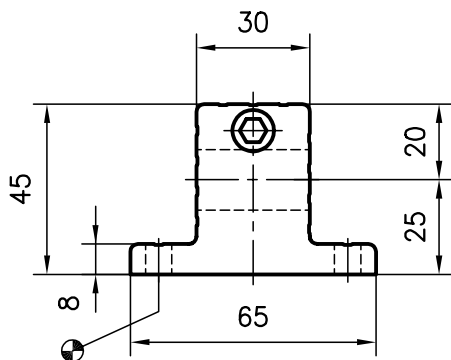
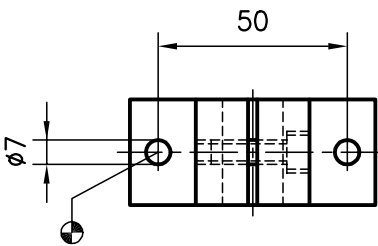
	A	B	C	D	E	F	G	
Junction plate für the								
50 x 100 extrusion	50	100	50	-	25	50	-	A80-40(-S)*
Junction plate für the								
50 x 150 extrusion	50	150	50	50	25	50	50	A80-50(-S)*

*Fixing kit: add -S to the order number

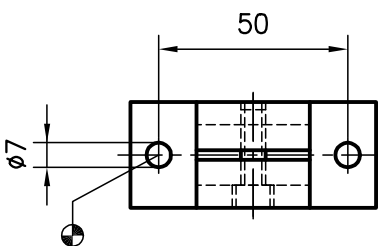
Shaft clamping block



Shaft clamping block – straight



Shaft clamping block – 90°



Application

A high-precision linear bearing system can be created very easily with the components, i.e. the shaft clamping block, the linear bearing block and the steel shaft. As there are two different shaft clamping blocks, the system can be assembled flexibly. The fixing centres combine well with the PVS extrusions.

Specification

Aluminium, anodised in natural colours



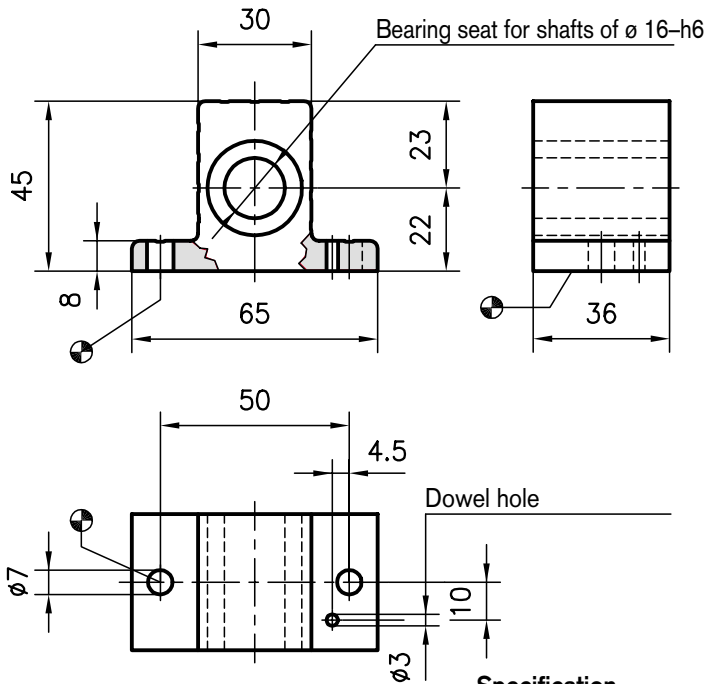
Order data

Order number

Shaft clamping block – straight L16-60

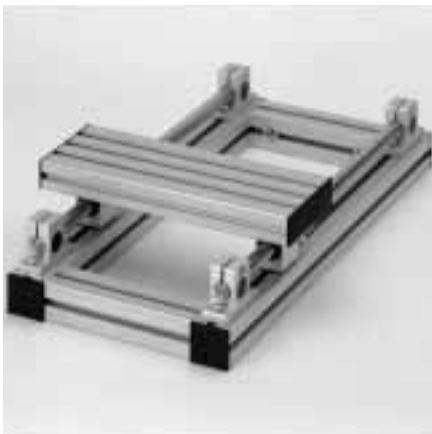
Shaft clamping block – 90° L16-65

Linear sliding block

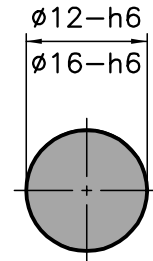


Specification

Housing: aluminium, anodised in natural colours
 Linear bearing: steel, sealed on both sides, maintenance-free



Steel shafts



Application

The steel shafts are used in combination with the linear sliding block and the shaft clamping blocks assembled on the appropriate extrusion framework. This serves to create high load-bearing linear guides.

Specification

Steel, Cf 53, hardened, ground
 Hardness: HRC 62 ± 2



Load rating

dynamic	static
850 N	620 N

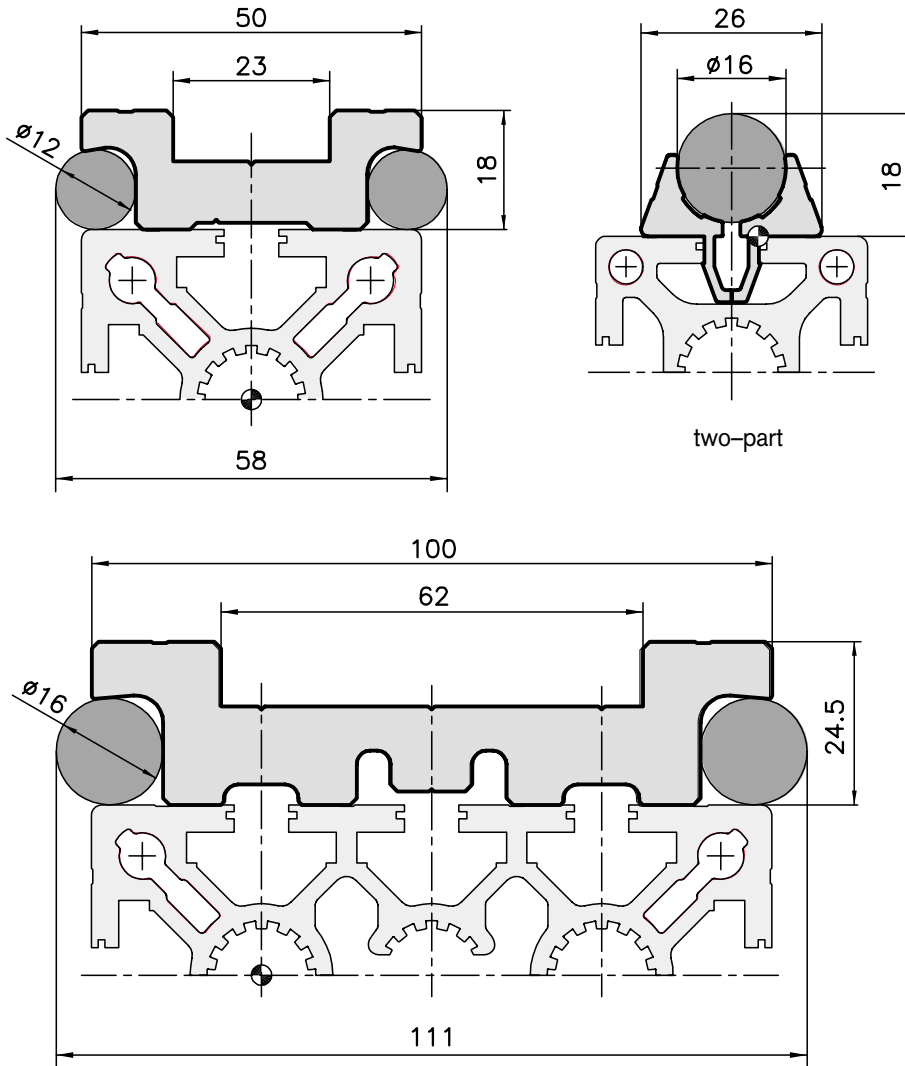
Order data Order number

Linear sliding block	L16-68
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Order data Order number

Steel shaft $\phi 12$	
Standard length 6000 mm	L12-20-00/6000
Cut to length	L12-20-02-02/ ...
Steel shaft $\phi 16$	
Standard length 6000 mm	L16-20-00/6000
Cut to length	L16-20-02-02/ ...

Shaft clamping extrusions



Application

The shaft clamping extrusion are used to provide a friction connection of the steel shafts to the 50/100 mm base extrusions. They can be combined with slide plates and rollers as a simple way to create linear guides to support very high loads. Steel shafts of $\varnothing 16$ can be clipped into all the slots of the 40 and 50 mm base extrusions with the two-part shaft clamping extrusion.



Specification

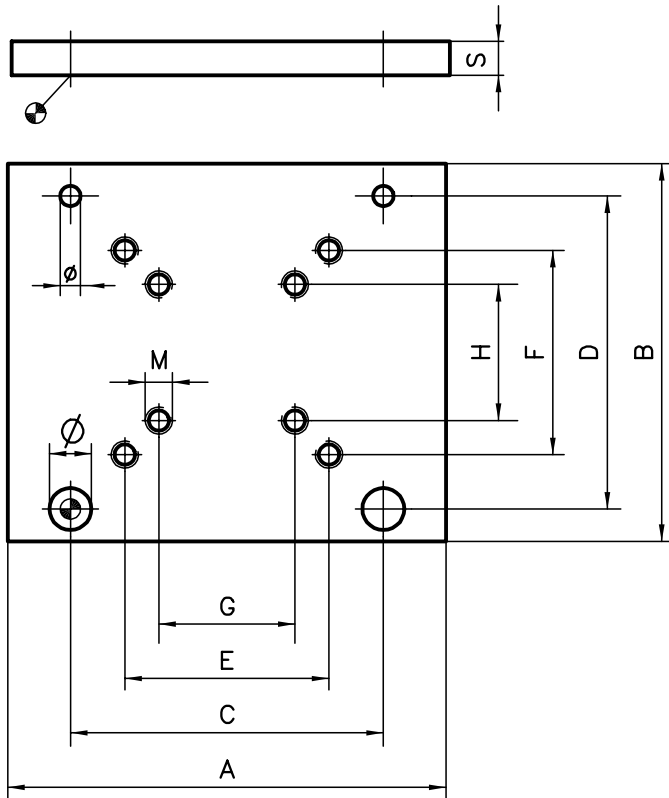
Aluminium, matt, anodised in natural colours

Order data	Order number
Shaft clamping extrusion, 50 mm base	
Standard length 6000 mm	L12-05-00/6000
Cut to length	L12-05-02-02/ ...
Shaft clamping extrusion, 100 mm base	
Standard length 6000 mm	L16-05-00/6000
Cut to length	L16-05-02-02/ ...



Order data	Order number
Steel clamping extrusion, two-part	
Standard length 6000 mm	L16-01-00/6000
Cut to length	L16-01-02-02/ ...

Slide plates



Measurement data

Base	A	B	C	D	E	F	G	H	M	s	Ø	ø
50	150	130	110	89	60	60	30	30	8	12	12	10
100	250	210	195	158	100	100	50	50	8	15	20	17

Specification

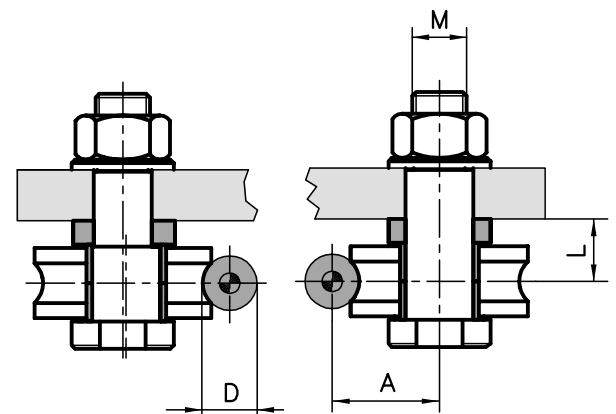
Aluminium, natural

Order data

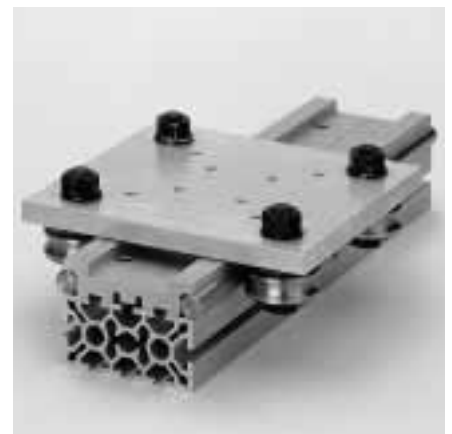
Order number

50 mm base slide plates	
150 x 130 x 12	L12-30
according to the customer's drawing	L12-39
100 mm base slide plates	
250 x 210 x 15	L16-30
according to the customer's drawing	L16-39

Rollers



Eccentric bolts



Measurement

Load rating

Base	A	D	L	M	dyn.	stat.
50	21.75	12	14	10	800 N	450 N
100	31.5	16	18.5	16	1500 N	850 N

Specification

Roller: steel, 100 Cr 6, hardened, ground
Bolt and spacer bush: black steel

Order data

Order number

Roller D12	
centric	L12-25
eccentric	L12-26
Roller D16	
centric	L16-25
eccentric	L16-26

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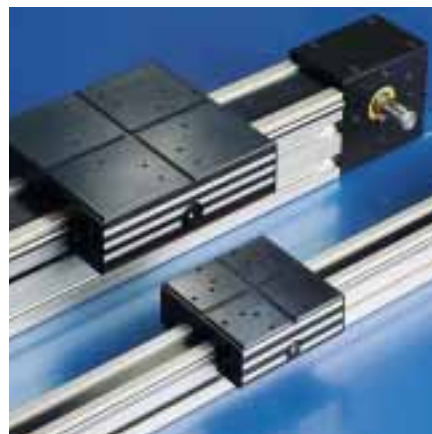


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