

**The building
system for
custom-made
structural
solutions.**

General catalogue

Summary of contents

Services Modular assembly applications



Editorial Services

Pages 2–5



Applications Machine base frames and casings and automation

Pages 6–13



Applications Door solutions

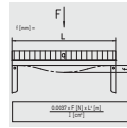
Pages 14–19

Technical data



Material data Tolerances

Pages 42–43



Strength calculations

Pages 44–45



Summary of extru- sions available

Pages 47–53

System extrusions Base 50/40/30/20



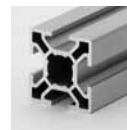
Base 50 extrusions

Pages 60–73



Base 40 extrusions

Pages 74–89



Base 30 extrusions

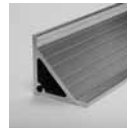
Pages 90–101

Special extrusions



Special extrusions

Pages 105–113



Angle extrusions

Pages 114–115



Square pipe Hinge extrusions Handle extrusions

Pages 116–119

Connection technology



PVS – The Original

Pages 120–123



PVS connectors Accessories

Pages 124–127



Tightening torques and forces diagram

Page 128

Accessories



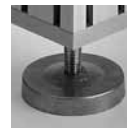
Mounting brackets, clamping blocks, Uniblocks, fixing blocks, fixing angles, T-bolts

Page 133–137



Threaded plates, extrusion nuts, spring nuts, anti-twist spigots, threaded inserts

Page 138–142



Levelling feet, base plates, foot plates, bolt-down brackets, bolt-down sockets

Pages 143–147



Hinges, hinge extrusions, joints, joint extrusions, corner pieces

Page 172–176



Handles, ball cat- ches, magnetic cat- ches and quick-re- lease-fasteners, rod and snap locks

Pages 177–182



Sealing plates, O-rings and gaskets

Pages 183–184

Drill jig, tools



Drill jig, special drill

Page 203



Allen keys "Safe" Allen keys

Page 204

Tube clamp system



Technical data Tolerances Applications

Pages 206–211



Clamp joints

Pages 212–220



Basic components for adjustable units

Pages 221–224

CAD data



KANYA Part Center 3D data download

Page 236



Index

Pages 238–239



KANYA International Distribution network

Page 240

KANYA International



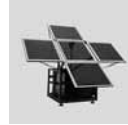
Applications Workstations and production facilities

Pages 20–29



Applications Safety guards and noise protection

Pages 30–35



Applications Room, medical, labo- ratory and solar tech- nology

Pages 36–41

Services Modular assembly applications



Machining information

Pages 55–59

Technical data



Base 20 extrusions

Pages 102–104

Extrusion base 50/40/30/20



PVS-Direct

Page 129



PVS-Superlight

Page 130

Special extrusions

Connection technology



Casters, rollers, trolleys, double-wheeled trolley

Pages 148–151



Plastic extrusions, cable ducts, end caps, rubber extrusions

Pages 152–166



Panels, sheets, expanded metals, composite panels, Acrylic glass, steel mesh

Pages 167–170

Accessories



Linear bearings, linear guides

Pages 185–189



Accessories for linear guides

Pages 190–193



C-rails Roller conveyors

Pages 194–201

Drill jig, tools



Order unit Order template

Pages 225–226



RVS extrusion cross-sections

Pages 229–231



RVS accessories

Pages 232–235

Tube clamp system

CAD data

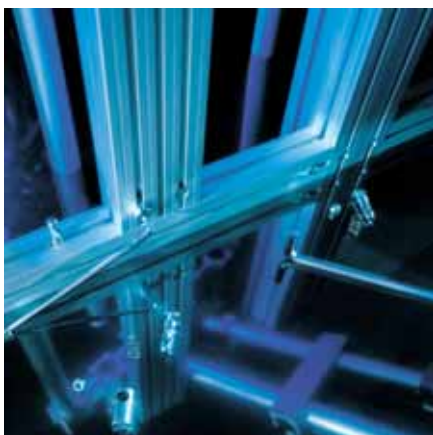
KANYA International



Welcome to KANYA

Aluminium modular
assembly system
with infinite possibilities

PVS®



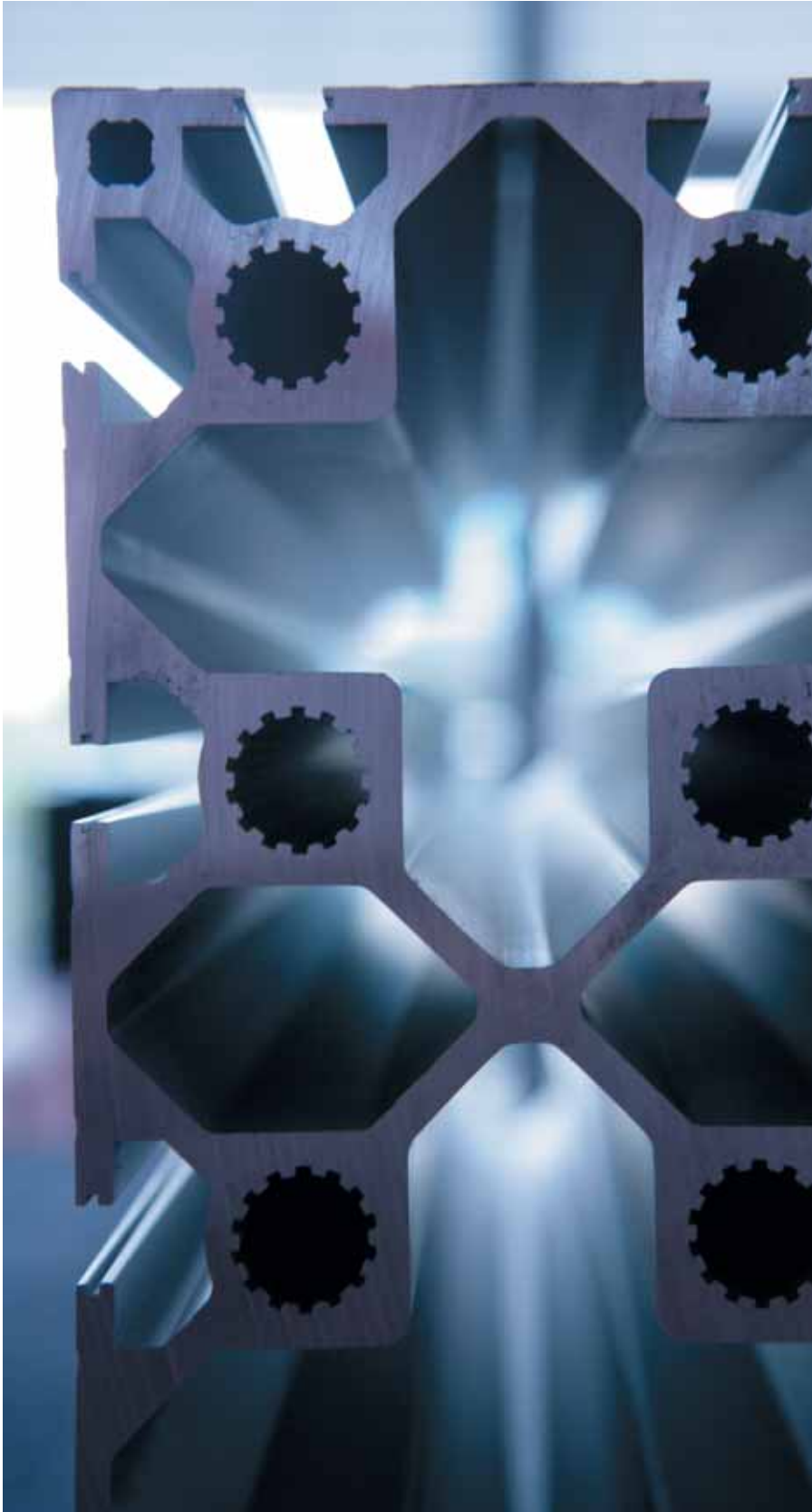
RVS®



PVS®
Extrusion connecting system

RVS®
Tube clamp system

Together in one catalogue
for the first time



KANYA – Aluminium modular assembly system with infinite possibilities:

Modular, innovative, flexible and quick.

Since its founding in 1974, KANYA and our partners live by the principle that we are not satisfied until you are. Our goals are geared towards the needs of our customers: High product and service quality, punctual with deliveries and optimum price/performance ratio. For the environment's sake, we maintain sustainable business ethics.

Years of experience in technical advice and engineering has immense influence on the products for our customers – with global support from our international distribution network. Let us take on your challenge. Together we will provide the best solution for your requirements. Our team offers support from the project planning stage to final acceptance – see for yourself the modular possibilities of our extrusion connecting system PVS® and tube clamp system RVS®.

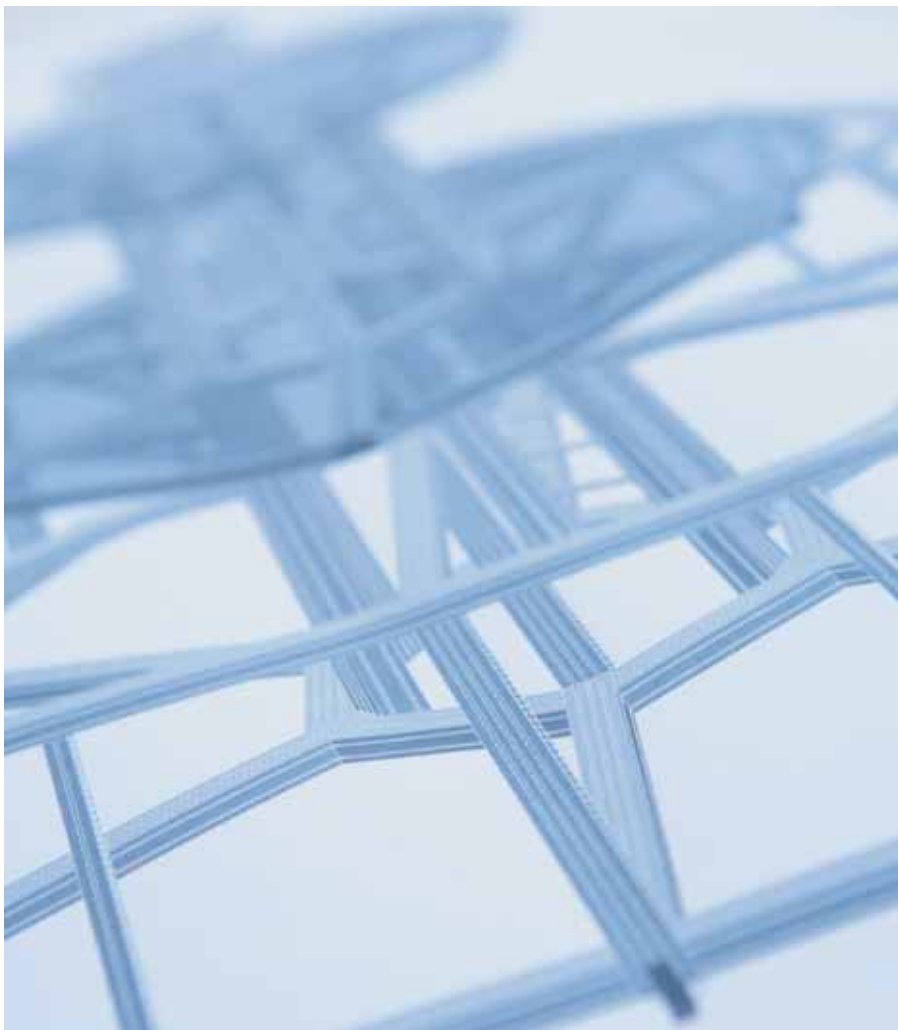
This General catalogue includes both the PVS® and RVS® range with many new innovations. The continuous development of our products enables your projects to always be implemented more economically. KANYA is your aluminium modular assembly system for infinite possibilities!

Your KANYA Team



Modularity

Technical advice from engineers who understand customer requirements and further develop innovative ideas.



Innovation

Efficient CAD engineering by designers who prepare quotes, drawings and parts lists using the very latest technology.



Flexibility

Production and processing conducted by trained experts to manufacture the desired product for our customers using specialist machinery, whilst guaranteeing cost-efficiency and a high level of precision.



Speed

Pre- and finished assembly by specialists who can quickly install ready-to-use system solutions, even directly onsite if you want.

Applications – Machine base frames and casings



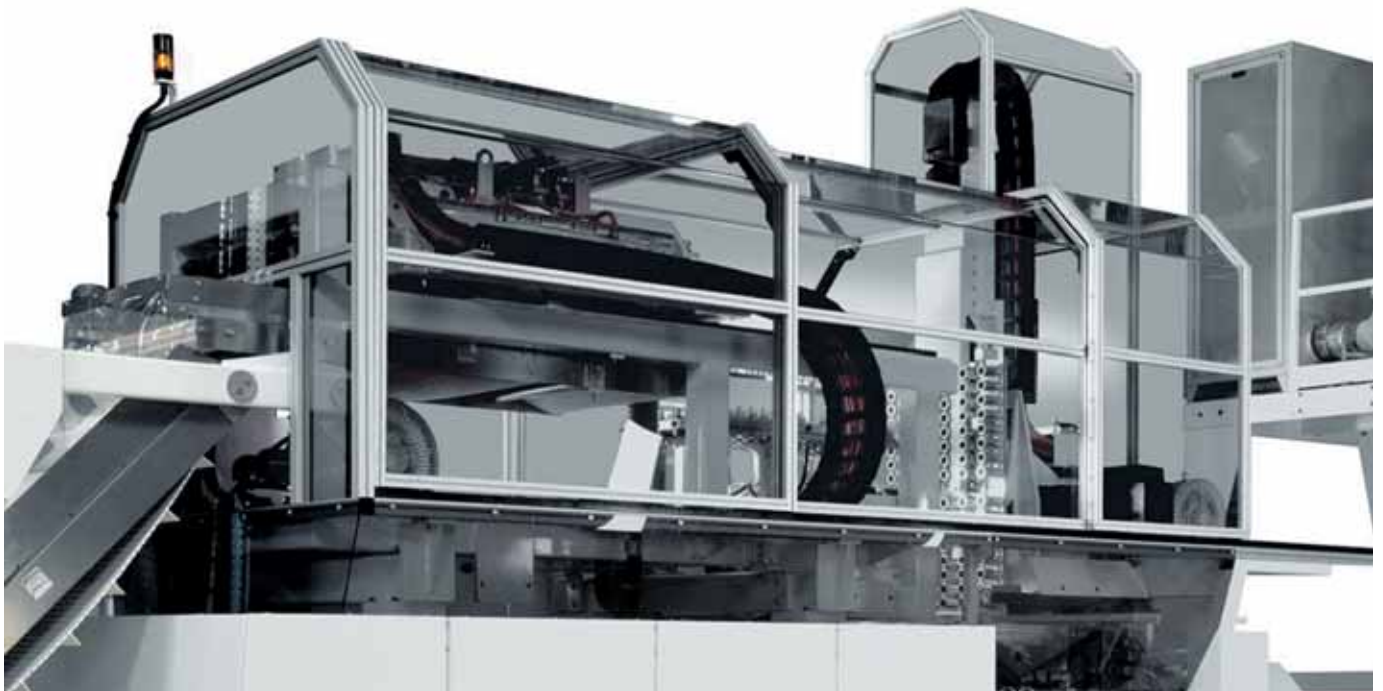
Packing machine



Cotton wool machine



Band rolling machine



Cover for Pet machine

Applications – Machine base frames and casings



Base frame for mixing unit



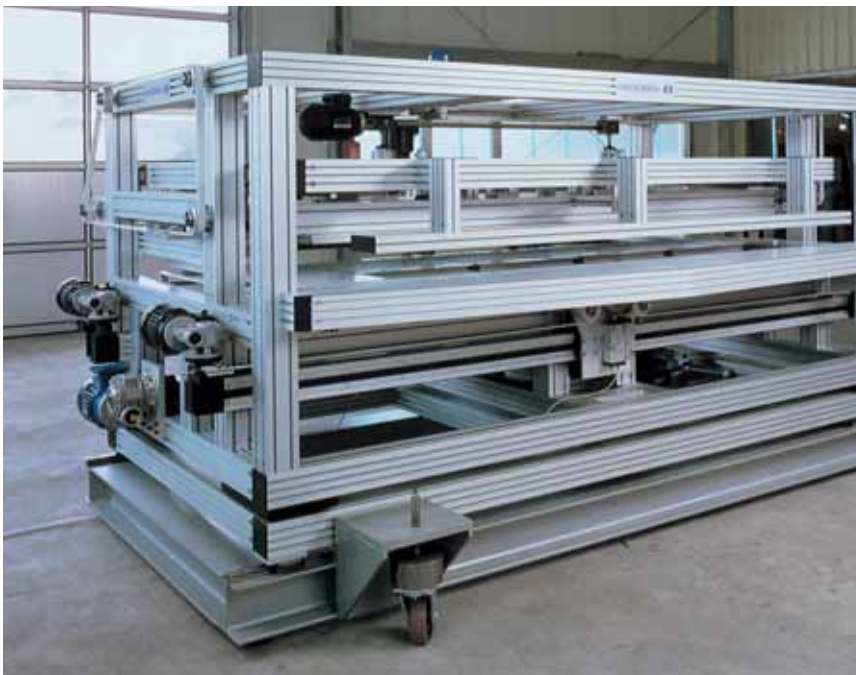
Machine frame



Unwinding machine



Palletising plant



Longitudinal and transverse cutting machine



Newspaper handling system

Applications – Machine base frames and casings



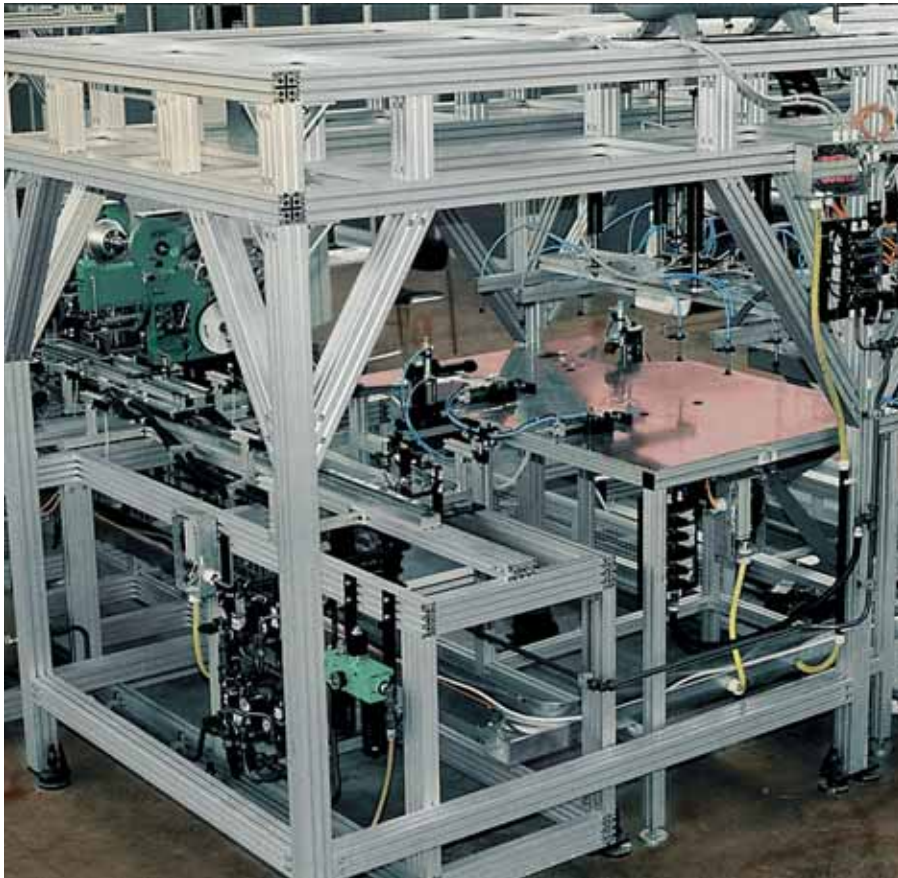
Machine chassis



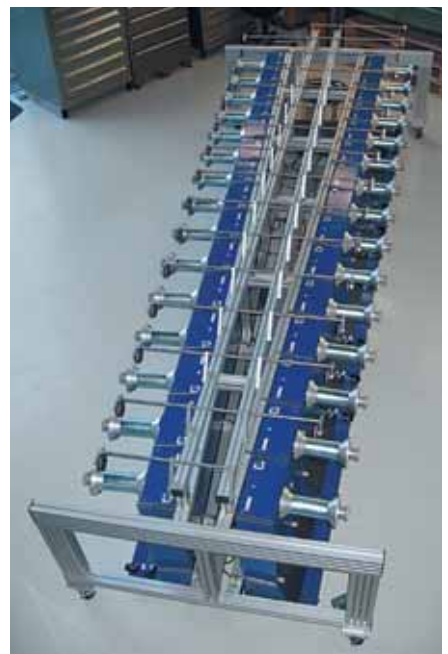
Packaging plant



Filling plant



Transforming plant



Unwinding machine



Cleaning plant



Plane wing testing machine



Filling plant



Machine case

Application – Automation



Test plant for carbonate bicycle frames



Automatic placement machine



Automatic gilding plant



Clamping and measuring device



Feeder and transfer system



Automatic punching press with acoustic enclosure



Vacuum testing facility

Door solutions



Swing doors



Sliding doors



Safety doors to test room



Folding door around machine



Double lift door system

Door solutions



Protective hood with counterweight



Lift doors



Pneumatic swing lift doors



Folding doors



Door solutions



Sliding door around machine



Protective hood



Swing door



Angled double lift door



4-section telescopic sliding door



Machine protection door solution on all four sides



Self-supporting machine protection door



Placement trolley



Assembly platform



Height-adjustable assembly workstation



Lifting table - production line

Applications – Workstations and production facilities



Storage and placement workstation



Assembly workstation from tube system



Testing and measuring workstation



Assembly workstation from extrusion and tube system

Applications – Workstations and production facilities



Assembly workstation



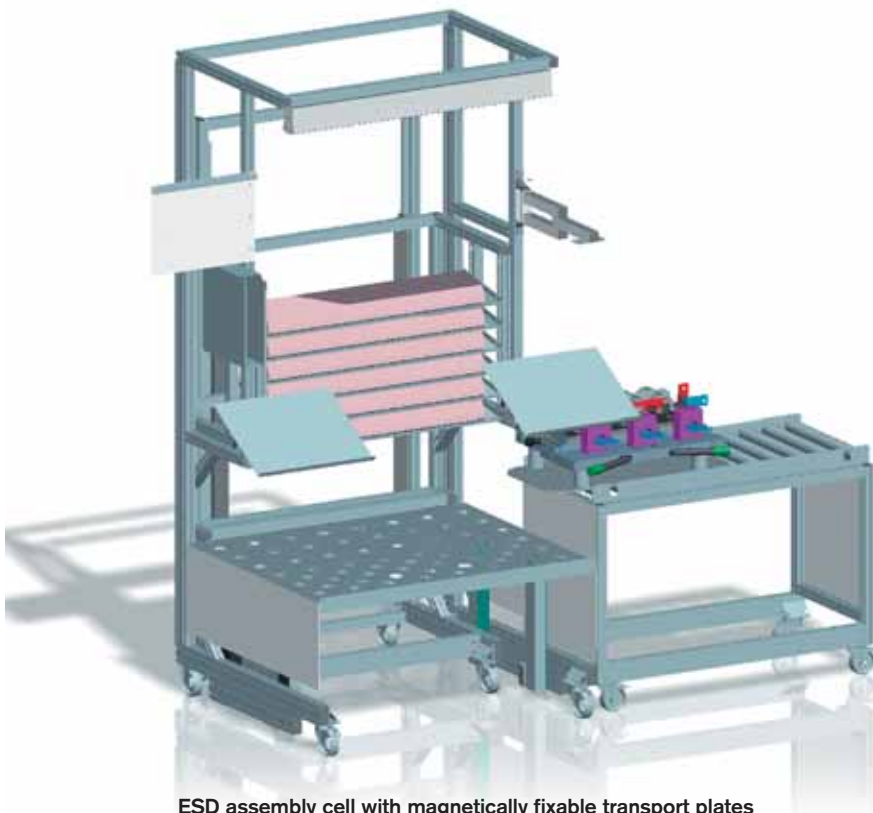
Packaging table



Assembly workstation



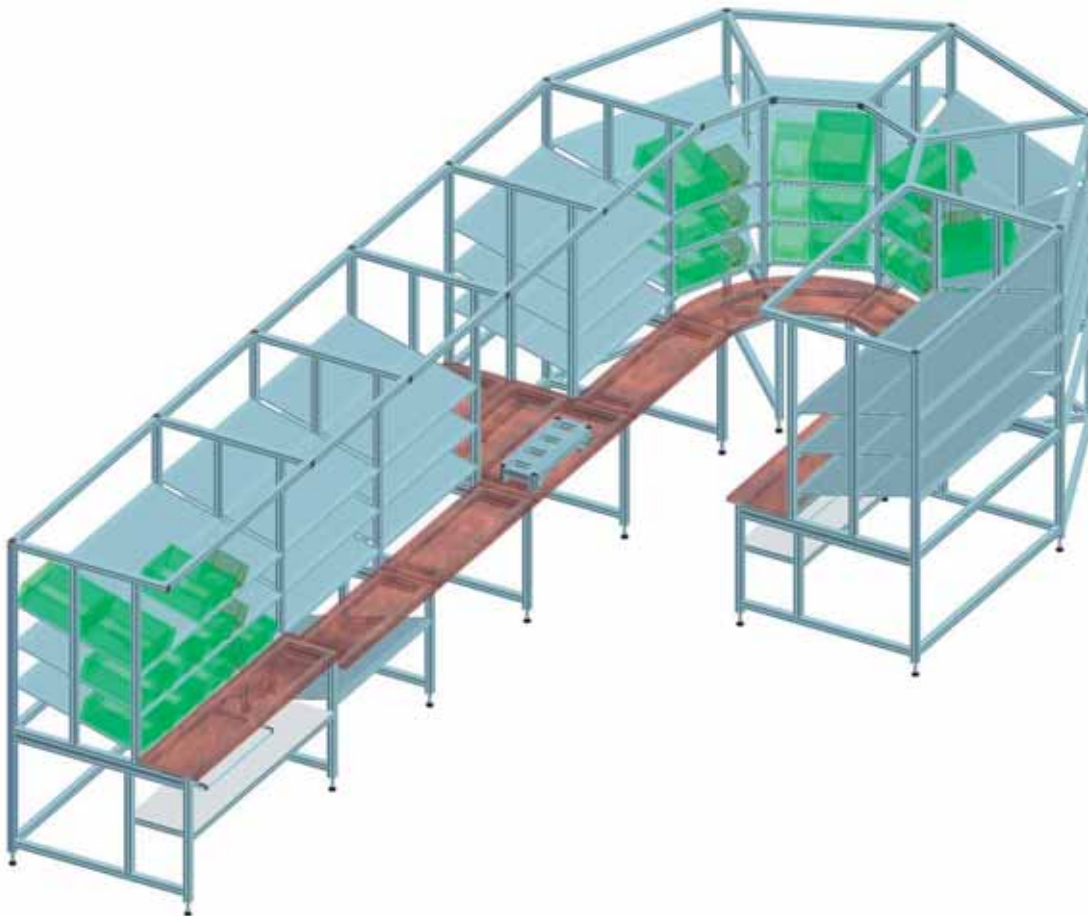
Workstation system



ESD assembly cell with magnetically fixable transport plates



Realisation



Assembly cell with rollable workpiece holders



Realisation

Applications – Workstations and production facilities



Mobile easel



Mobile scale



Long-item storage rack



Cleaning trolley



Dehydration vehicle



Rivet station



Lifting table as assembly aid around machine



Attachment to existing tables



Height-adjustable assembly trolley



Project trolley



Mobile computer workstation

Applications – Safety guards and noise protection



Protective cell and storage frame around robot



Safety housing



Dividing wall to manufacturing plant



Dust protection cabin



Casing for deburring facility with safety glass



Darkroom



Robot cell



Safety housing

Applications – Safety guards and noise protection



Noise protection cabin for parts cleaning plant



Noise protection enclosure for vibratory conveyor



Noise protection cabin with 3-fold sliding door



Noise protection enclosure for winding machine



Endurance test bench for 2-hand angle grinder with noise protection screen locks



Half-open noise protection part enclosure for heat exchanger



Noise protection enclosure for vibratory conveyor



Noise protection for hydraulic power unit

Applications – Safety guards and noise protection



Machine casings



Safety tent space technology



Acoustic protection box for blower



Motorbike wash cubicle



Acoustic protection cabin



Acoustic protection cabin on rails, open and closed



Mobile noise protection housing with ventilation system for a vacuum pump

Applications – Room, medical, laboratory and solar technology



Workshop office



Clean room housing



Assembly office



Roller table for baby scale



Trolley for medical analyser



Double door system for dust protection



Transport trolley



Ceiling heat emitter bracket



Modular cages



Cover over a batch device for sterilisation

Applications – Room, medical, laboratory and solar technology



Special tables (here cardiology table)



Rack for hanging up lead-weighted jackets



Modular dividing wall system



Tray trolley for sterilisation box



Transport trolley for medical monitoring devices



Storage rack for gas-filled bottles



Oxide trolley for patient transport

Applications – Room, medical, laboratory and solar technology



Protection cover for lab device



Breadboard construction (laboratory equipment)



Vacuum test plant



Laboratory equipment with ceiling grid system



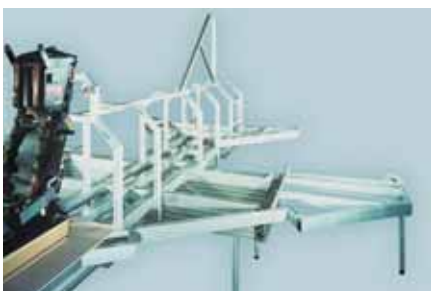
Platform for astronomical observatory



Solar power station



Laser research plant



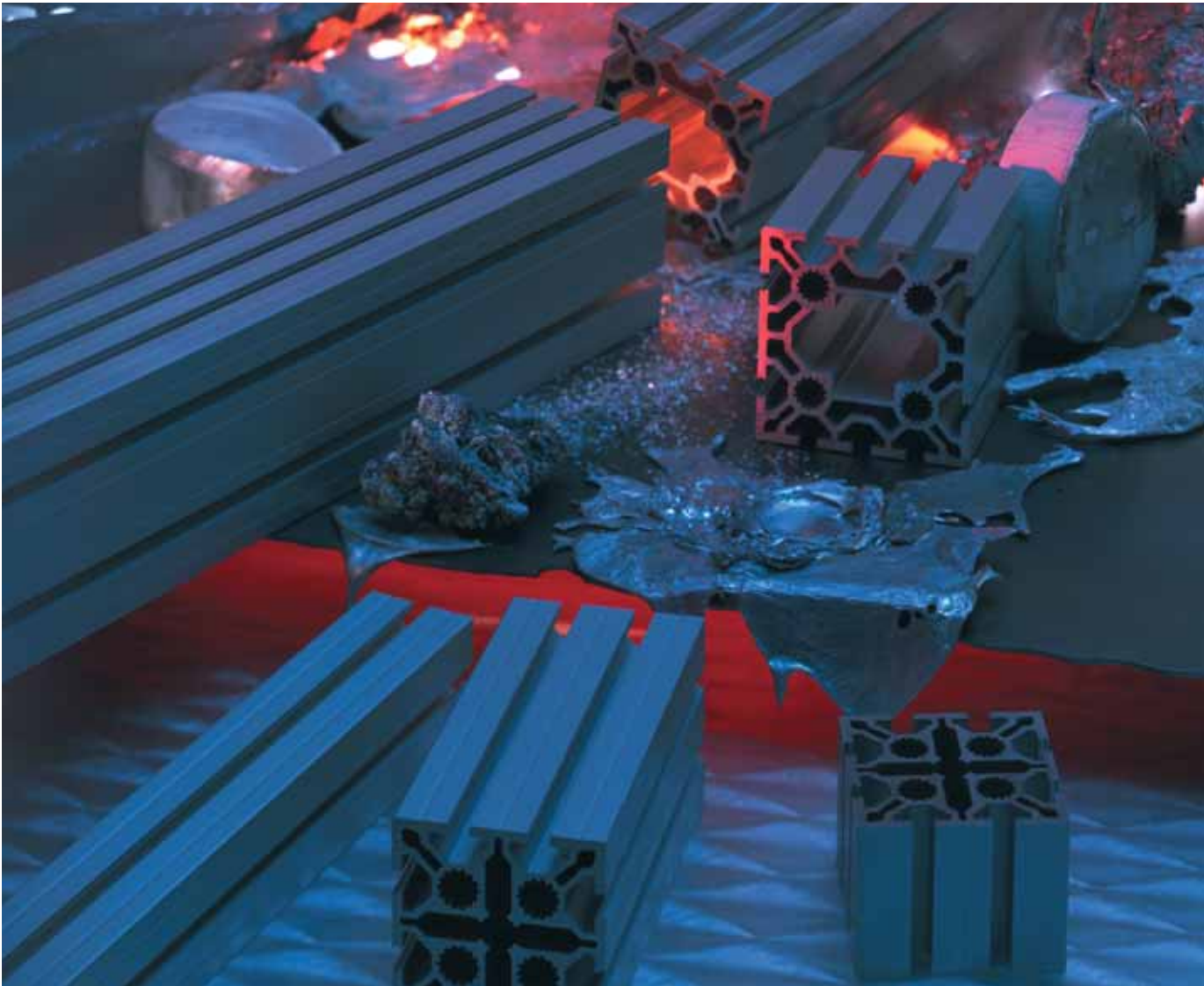
Research model fighter jet



Solar plant

Material data of aluminium extrusions

Alloy	EN AW-6063	
Quality	T66	Temper-hardened (F25)
DIN designation	3.3206.72	
Tolerances	DIN EN 12020	
Density/weight	δ : 2.7 g/cm³	
Tensile strength	R _m : min 245 N/mm²	
Yield	R _p 0.2: min 200 N/mm²	
Elongation	A ₅ : min 10%	
	A ₁₀ : min 8%	
Module of elasticity	E: 70 KN/mm²	
Brinell hardness	HB ~75	
Surface	Natural matt anodised	Colour anodised or powder coated on request
	Layer thickness 12µ	in accordance with the RAL table, raw
Thermal expansion	0.0232 mm/m/°Δt	

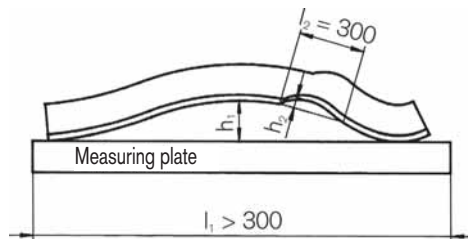


Extrusion tolerances, extract from EN 12020

1. Straightness tolerances

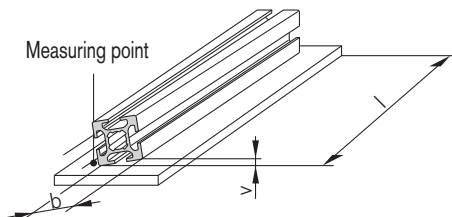
Cavity extrusions may not exceed the values stated in the table for the straightness tolerances h_1 . The deviation h_2 may not exceed a maximum of 0.3 mm over any length of $l_2 = 0.3$ mm.

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

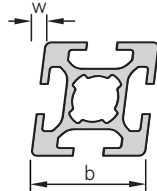
The length-dependent twist tolerance v for cavity extrusions is shown in the table.



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
> 200 - 300	1.8	2.5	3.0	3.5	4.0	4.5

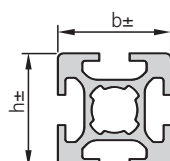
3. Inclination tolerance w

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	Width b in mm	Inclination tolerance w in mm
- 30	0.3	> 120 - 140	0.8
> 30 - 50	0.4	> 140 - 160	0.9
> 50 - 80	0.5	> 160 - 180	1.0
> 80 - 100	0.6	> 180 - 200	1.2
> 100 - 120	0.7	> 200 - 240	1.5

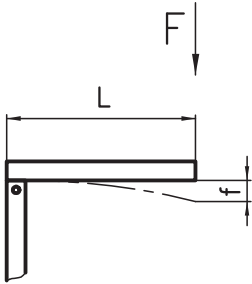
4. External tolerances



Width b, h in mm	Deviation in mm	Width b, h in mm	Deviation in mm
> 15 - 30	± 0.25	> 120 - 150	± 0.80
> 30 - 45	± 0.30	> 150 - 180	± 1.00
> 45 - 60	± 0.40	> 180 - 240	± 1.20
> 60 - 90	± 0.45	> 240 - 300	± 1.50
> 90 - 120	± 0.60		

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 cm^4
- 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?

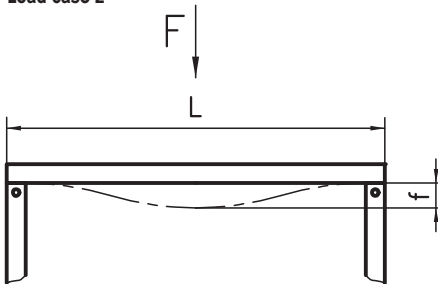
$$\text{Deflection } f = \frac{0.476 \times 500 \times 0.8^3}{11.70} = 10.42 \text{ mm}$$

Checking the bending stress:

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

- δ = bending stress in N/mm^2
- M_b = max. bending moment in Nmm
- W = section modulus in cm^3

Load case 2



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



Example:

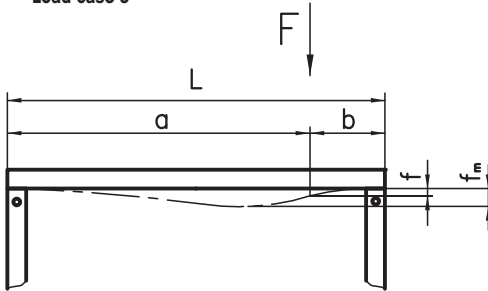
An 1800 N load is placed in the middle of a beam. The unsupported length is 1200 mm. The max. permissible deflection is 1.0 mm. What sort of extrusion should be used for the beam?

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

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

⇒ Selection: Use a heavy duty extrusion MA1-1 where $I = 29.37 \text{ cm}^4$

Load case 3



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



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?

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

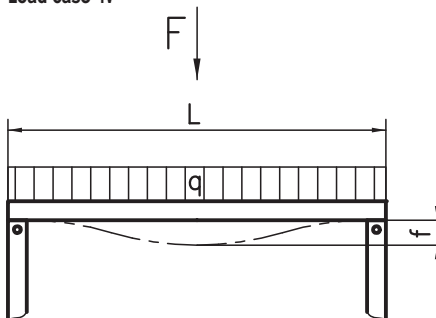
Where:

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

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

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



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

$$F = q \times L$$



Beispiel:

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?

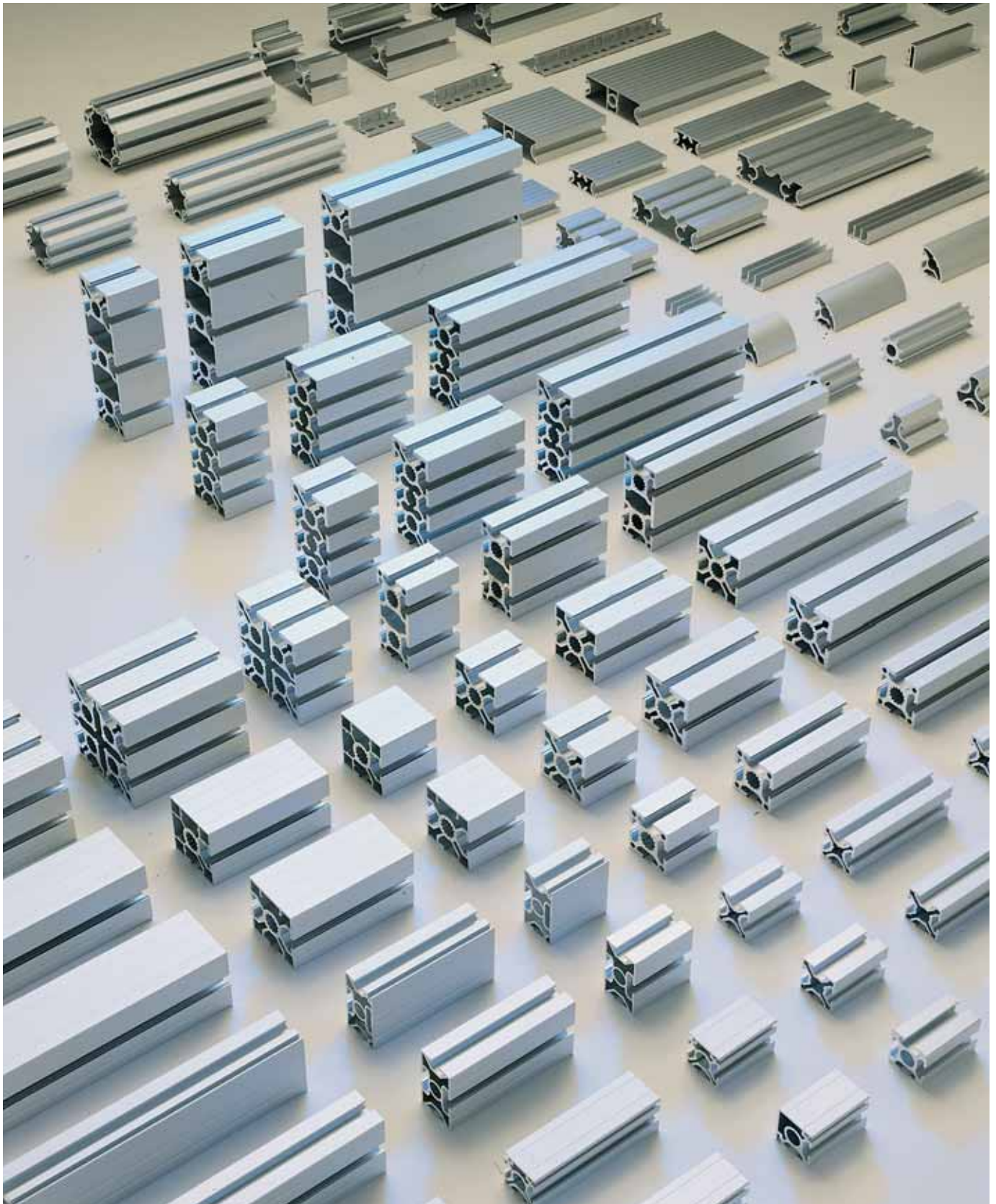
$$F = q \times L = 8000 \times 1,5 = 12\,000 \text{ N}$$

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

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

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

Overview of extrusions




























50 mm base extrusion










50 mm base extrusion	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Four sided softline extrusion 50x50	type A10-0		2.3	20.55	8.22	60
Lightweight extrusion 50x50	type A02-1		1.8	16.07	6.42	61
Base extrusion 50x50	type A01-1		2.3	20.88	8.35	62
Heavy duty extrusion 50x50	type MA1-1		3.1	29.37	11.75	62
Face extrusion 50x50	type A01-8		2.2	20.38, 19.61	8.15, 7.55	63
Corner extrusion 50x50	type A01-7		2.0	17.69	7.05	63
Double face extrusion 50x50	type A02-4		2.0	19.59, 18.17	7.83, 7.27	64
Angle extrusion 50x45°	type A02-8		1.7	13.10	4.50	64
Face panel extrusion 50x50	type A03-8		2.2	20.40, 19.72	8.07, 7.89	65
Base extrusion 50x100	type A01-2		4.6	149.84, 41.25	29.97, 16.50	66
Heavy duty extrusion 50x100	type MA1-2		5.3	198.66, 50.28	39.73, 20.11	67
Face extrusion 50x100	type MA1-4		5.2	203.67, 54.31	40.73, 21.03	68
Base extrusion 100x100	type MA2-5		8.1	324.73	64.95	69
Heavy duty extrusion 100x100	type MA1-5		9.5	380.00, 365.00	76.00, 73.00	70
Beam extrusion 50x150	type MA1-3		7.1	608.31, 73.56	81.11, 29.42	71
Beam extrusion 50x200	type MA1-6		8.8	1315.83, 92.71	131.58, 37.08	72
Heavy duty extrusion 100x200	type MA1-9		17.0	2442.53, 718.61	244.25, 143.72	73
















40 mm base extrusion
















40 mm base extrusion	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Four sided softline extrusion 40x40	type C10-0		1.6	9.6	4.57	74
Four sided softline extrusion 40x80	type C10-3		2.8	69.73, 18.52	17.43, 9.26	74
Four sided softline extrusion 80x80	type C10-4		4.4	119.40	29.85	75
Super lightweight extrusion 40x40	type C03-1		1.3	8.20	4.10	76
Lightweight extrusion 40x40	type C02-1		1.5	9.35	4.67	76
Base extrusion 40x40	type C01-1		2.0	11.70	5.75	77
Face extrusion 40x40	type C01-8		2.0	11.66, 11.67	5.78, 5.83	77
Corner extrusion 40x40	type C01-7		1.5	9.21	4.53	78
Double face extrusion 40x40	type C02-4		1.5	9.56, 9.21	4.78, 4.60	78
Face panel extrusion 40x40	type C02-2		1.6	9.78, 8.77	4.59, 4.39	79
Corner panel extrusion 40x40	type C02-7		1.6	9.25	4.58	79
Angle extrusion 45°	type C04-4		1.5	8.46, 9.11	3.01, 3.44	80
Angle extrusion 40x45°	type C02-8		1.2	6.30	2.70	80
Softline extrusion 40x40	type C03-8		1.3	6.70	2.97	81
Lightweight extrusion 40x80	type C02-3		2.8	64.90, 17.70	16.23, 8.85	82
Base extrusion 40x80	type C01-3		3.7	81.95, 22.74	20.49, 11.37	82
Face extrusion 40x80	type C01-5		2.6	64.40, 17.20	16.10, 8.60	83

40 mm base extrusion	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Lightweight extrusion 40x120	type C03-9		3.99	203.49, 25.75	33.91, 12.87	83
Beam extrusion 40x120	type C01-9		5.3	258.52, 33.43	43.09, 16.72	84
Beam extrusion 40x160	type C02-9		7.0	592.79, 44.36	74.09, 22.18	85
Angle extrusion 80x80x40	type C01-6		5.3	109.18	23.56	86
Base extrusion 80x80	type C01-4		6.0	154.70	38.68	87
Lightweight extrusion 80x80	type C03-4		4.4	115.66	28.92	87
Beam extrusion 80x120	type MC1-2		8.40	451.20, 219.76	75.20, 54.94	88
Heavy duty extrusion 80x160	type MC1-9		11.0	1018.98, 296.53	112.37, 74.13	89


















30 mm base extrusion	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Four sided softline extrusion 30x30	type B10-0		0.96	3.3	2.2	90
Super lightweight extrusion 30x30	type B03-1		0.7	2.63	1.76	90
Lightweight extrusion 30x30	type B02-1		0.9	2.95	1.97	91
Heavy duty extrusion 30x30	type MB1-1		1.1	3.82	2.54	91
Face extrusion 30x30	type B03-2		0.8	2.85, 2.83	1.90, 1.83	92
Face panel extrusion 30x30	type B02-2		0.9	2.93, 2.76	1.93, 1.84	92
Corner extrusion 30x30	type B02-3		0.8	2.70	1.75	93











30 mm base extrusion

30 mm base extrusion	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Corner panel extrusion 30x30	type B01-3		0.8	2.70	1.75	93
Double face extrusion 30x30	type B02-4		0.8	2.73, 2.74	1.82, 1.83	94
Softline extrusion 30x30	type B01-8		0.8	2.57	2.02	94
Angle extrusion 30°	type B04-3		0.9	3.23, 2.89	1.54, 1.48	95
Angle extrusion 45°	type B04-4		0.9	3.14, 2.91	1.44, 1.45	95
Angle extrusion 60°	type B04-6		0.9	3.07, 2.94	1.45, 1.51	96
Base extrusion 30x50	type B01-9		1.2	10.94, 4.33	4.38, 2.90	97
Face extrusion 30x50	type MB2-9		1.3	11.30, 4.55	4.52, 3.03	97
Face panel extrusion 30x50	type MB1-9		1.3	11.25, 4.84	4.50, 3.23	98
Face panel extrusion 30x60	type B03-6		1.5	19.33, 5.43	6.44, 3.60	98
Base extrusion 30x60	type B01-6		1.5	20.52, 5.20	6.84, 3.47	99
Base extrusion 60x60	type B02-6		2.4	35.83	11.94	99
Base extrusion 30x100	type MB1-2		2.3	80.77, 8.95	16.15, 5.97	100
Face panel extrusion 30x100	type B01-2		2.1	77.86, 8.79	15.57, 5.72	100
Face extrusion 30x300	type B03-3		5.10	1755.64, 26.06	117.04, 17.30	101

20 mm base extrusion	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Base extrusion 20x20	type D01-5		0.38	0.60	0.60	102
Corner extrusion 20x20	type D01-3		0.42	0.65	0.65	102
Face extrusion 20x20	type D01-8		0.39	0.68, 0.59	0.68, 0.59	102
Softline extrusion 20x20	type D03-8		0.35	0.47	0.47	103
Base extrusion 20x40	type D01-7		0.73	3.91, 1.10	1.95, 1.10	103
Face extrusion 20x40	type D02-8		0.75	4.15, 1.26	2.07, 1.18	103
Face extrusion 20x50	type D02-5		0.88	7.71, 1.58	3.08, 1.58	104
Face extrusion 20x100	type D02-1		1.55	55.5, 3.01	11.1, 3.01	104
Special extrusions	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Wall rail 50x18	type A19-9		0.9	–	–	106
Slot extrusion 16x40	type C08-1		1.0	–	–	106
Slot extrusion 20x80	type C08-2		2.4	54.49, 3.97	13.62, 3.97	107
Slot extrusion 20x120	type C08-3		4.42	177.95, 6.31	29.66, 6.31	107
Triple channel extrusion 30x15	type B05-1		0.32	–	–	108
Hand rail extrusion 50x50	type A19-1		1.65	13.00, 15.00	5.20, 6.00	108
19" auxiliary extrusion	type A05-2		0.5	–	–	109

Special extrusions

Special extrusions	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
19" auxiliary extrusion	type B05-2		0.4	–	–	109
Box frame extrusion 30x95	type B01-7		1.8	55.99, 7.94	11.79, 5.29	110
Runner extrusion 30x50	type B10-9		1.1	9.17, 4.51	3.37, 2.98	110
Box frame extrusion 20x40	type D01-6		0.7	2.60, 1.38	1.21, 1.38	111
Base 30 octagonal extrusion	type B15-3		2.8	51.01	14.09	111
Clamping extrusion 16x29	type A05-6		0.32	–	–	112
Clamping extrusion 16x50	type A05-7		0.46	–	–	112
Filler strip 13.5x50	type A05-8		0.34	–	–	112
U-clamping extrusion 8x13.5	type B19-6		0.14	–	–	113
Support extrusion 11x30.5	type B19-7		0.44	–	–	113
Aluminium guide extrusion 12x11	type B19-8		0.15	–	–	113
Winkelprofil 38x38	type A30-0		1.49	–	–	114
Angle extrusion 31x31	type C30-0		0.94	–	–	114
Angle extrusion 25x35	type A30-5		0.74	–	–	114
Angle extrusion 60x120	type A47-0		4.63	–	–	114
Angle extrusion 100x100	type A30-3		6.38	–	–	115
Angle extrusion 70x70	type C30-3		2.49	–	–	115

Special extrusions	Type		Weight [kg/m]	I _{x,y} [cm ⁴]	W _{x,y} [cm ³]	Page
Angle extrusion 60x60	type A30-2		2.75	–	–	115
Hinge extrusion 54x17	type A60-6		1.33	–	–	116
Hinge extrusion 44x17	type C60-6		1.11	–	–	116
Hinge extrusion 36.5x20	type A60-5		1.19	–	–	116
Handle strip extrusion 30x35	type B65-5		0.59	–	–	116
Base 50 block extrusion	type A34-0		1.58	–	–	117
Base 40 block extrusion	type C34-0		1.31	–	–	117
Base 30 block extrusion	type B34-0		0.51	–	–	117
Square pipe 55x55	type A19-5		1.25	21.85	7.85	118
Counterweight extrusion 50x100	type A19-2		3.33	41.81, 16.43	8.36, 6.57	119



Ordering overview

Extrusion machining codes

The order number is made up of the type of extrusion, with the machining code for each end and the length of the extrusion. The available codes for the machining are listed on the following chart. The code covers the most standard machining.

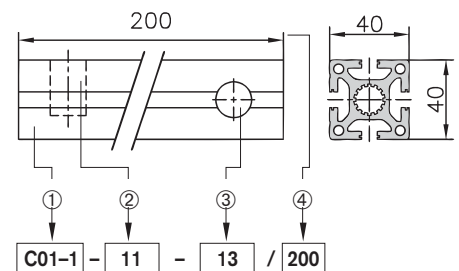
Special machinings are indicated with the order code «-99». In this case, a customer drawing is requested!

An item number is made up of the following:

- ① Select the appropriate design or special extrusion (extrusion type)
- ② Define the machining on the left side of the extrusion according to the following overview if the left side of the extrusion is to be left unmachined: Code -02
- ③ Define the machining on the right side of the extrusion according to the following overview if the right side of the extrusion is to be left unmachined: Code -02
- ④ Indicate the required extrusion length in mm/L

Special machining:

- ⑤ -99



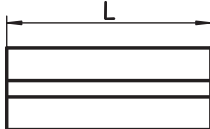
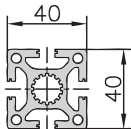

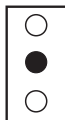
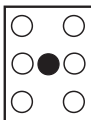


Order number
with standard machining

Order number
with additional special machining, the order code also indicates -99

Example: C01-1 - 11 - 13 - 99 / 200

MACHINING INFORMATION

MACHINING CODES (BC)

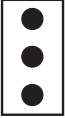


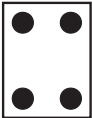

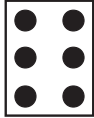
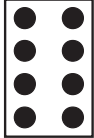
1. Cutting the extrusions to length without any other machining					-02
Extrusion cut to length, tolerance acc. to ISO 2768-m Example: C01-1-02-02/L					
2a. Cutting the extrusions to length and the main threads					
1 thread	M16 / M14 x thread length 50mm				-E1
	M16 / M14 x thread length 100mm				-03
	M16 / M14 x thread length 25mm				-E3
1 Heli-Coil insert	M6 x ~10mm (only for Ø 6mm)*				-H3
2 thread	M16 / M14 x thread length 50mm				-E2
	M16 / M14 x thread length 100mm			-04	
	M16 / M14 x thread length 25mm			-E4	
2 Heli-Coil inserts	M6 x ~10mm (only for Ø 6mm)*				-H4
* Only for 20 base extrusions with core Ø 6mm					

* Only for 20 base extrusions with core Ø 6mm

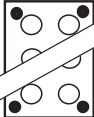


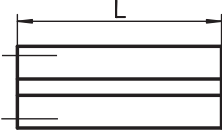
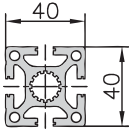
MACHINING INFORMATION

MACHINING CODES (BC)

2a. Cutting the extrusions to length and the main threads

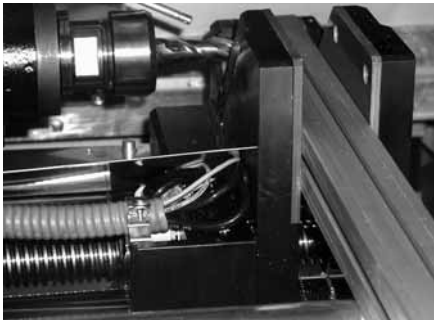
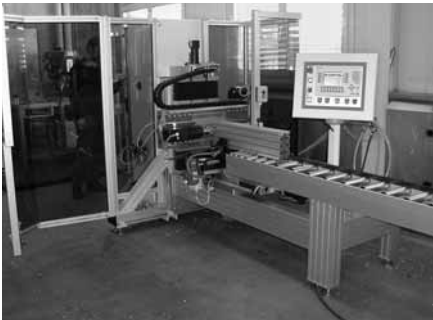
3 threads	M16 / M14 x thread length 50 M16 / M14 x thread length 100 M16 / M14 x thread length 25	 	-G3 -05 -E5
4 threads	M16 / M14 x thread length 50 M16 / M14 x thread length 100 M16 / M14 x thread length 25	  	-G4 -06 -E6
6 threads	M16 / M14 x thread length 50 M16 / M14 x thread length 100 M16 / M14 x thread length 25		-G5 -G6 -E7
8 threads	M16 / M14 x thread length 50 M16 / M14 x thread length 100 M16 / M14 x thread length 25		-G7 -G8 -E8

2b. Cutting the extrusions to length and auxiliary threads in the corners

4 threads	M6 x thread length 15mm		-07
4 threads	M8 x thread length 20mm	 	-08
Example: C01-1-07-02/L on one side 4x M6x15		 	

2c. Cutting the extrusions to length and threads according to drawing

X thread acc. to customer drawing	-09
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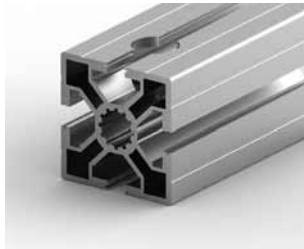


MACHINING INFORMATION

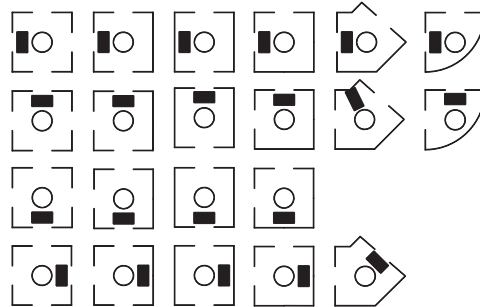
MACHINING CODES (BC)

3. Cutting the extrusions to length and PVS drilling

1 PVS hole



Symbolic representation of the extrusion cross-sections



-10

-11

-12

-13

1 PVS hole acc. to customer drawing

-19

2 PVS holes



Symbolic representation of the extrusion cross-sections



-20

-21

-23

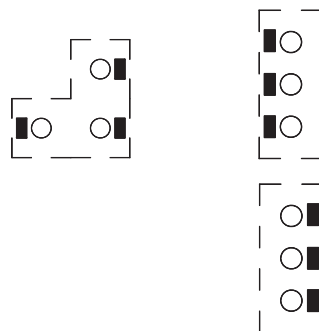
2 PVS holes acc. to customer drawing

-29

3 PVS holes



Symbolic representation of the extrusion cross-sections



-30

-33

3 PVS holes acc. to customer drawing

-39

*A different arrangement of the holes must be indicated on the drawing.

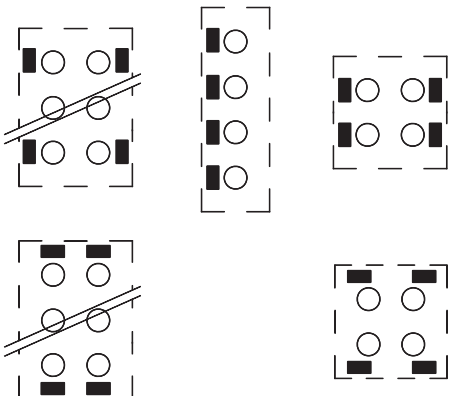
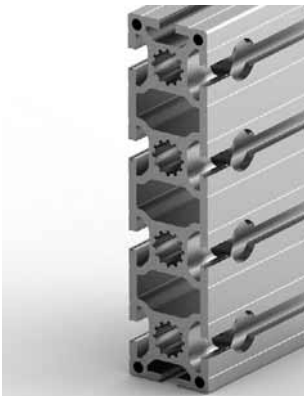
MACHINING INFORMATION

MACHINING CODES (BC)

3. Cutting the extrusion to length and PVS drilling

4 PVS holes

Symbolic representation of the extrusion cross-sections



4 PVS holes acc. to customer drawing

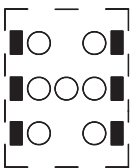
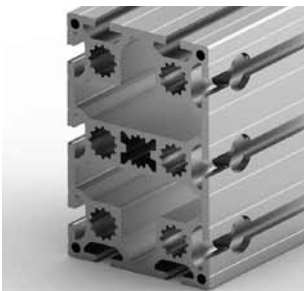
-40

-41

-49

6 PVS holes

Symbolic representation of the extrusion cross-sections



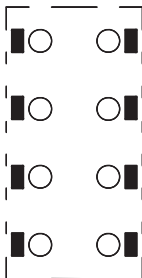
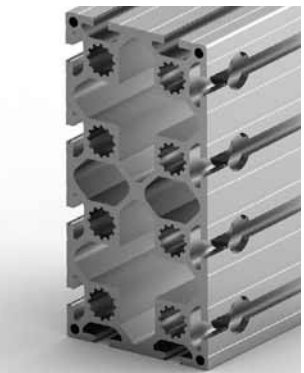
6 PVS holes acc. to customer drawing

-60

-69

8 PVS holes

Symbolic representation of the extrusion cross-sections



8 PVS holes acc. to customer drawing

-80

-89

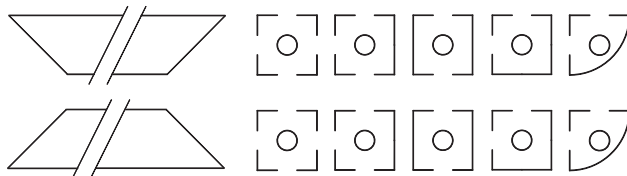
MACHINING INFORMATION

MACHINING CODES (BC)

Mitre cut extrusions

For mitre cuts on non-symmetrical extrusions, a drawing or sketch is required.

Mitre cut 45° (all extrusions)



Mitre cut

acc. to customer drawing

left

right

-50

-50

-51

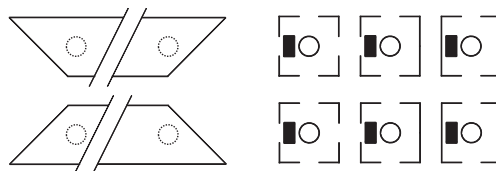
-51

-59

-59

Mitre cut extrusions with PVS-drilling

Mitre cut 45° + PVS hole (extrusions 50x50/40x40/30x30/20x20)



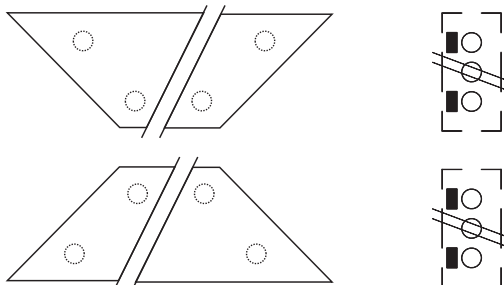
-70

-70

-71

-71

Mitre cut 45° + 2 PVS holes



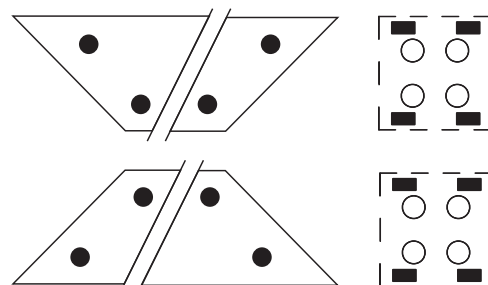
-72

-72

-73

-73

Mitre cut 45° + 4 PVS holes



-74

-74

-75

-75

Mitre cut + PVS hole(s) acc. to customer drawing

-79

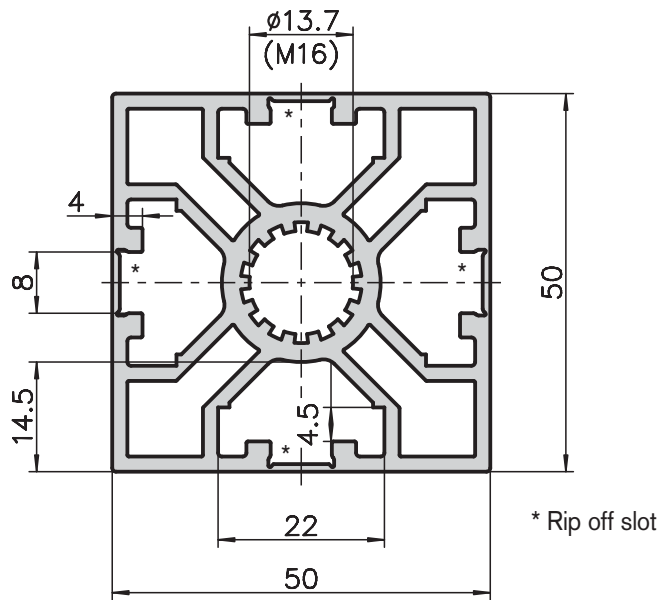
-79

6. Special machining

All machining which cannot be indicated by a code.

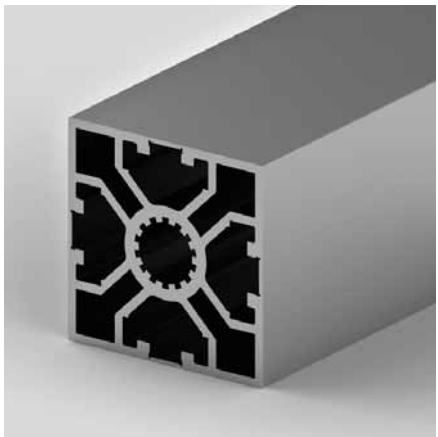
-99

Four sided softline extrusion 50x50
type A10-0



Application

The 50 series Softline extrusion is used to create stable, attractive and easily washable constructions. Ideal for clean room applications. Due to the small curved corners, there are no dirt grooves with a T-connection. A very decorative extrusion which offers the designer many application possibilities whilst at the same time also being lightweight and inexpensive.



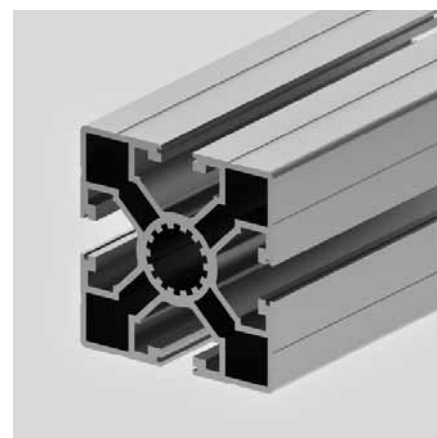
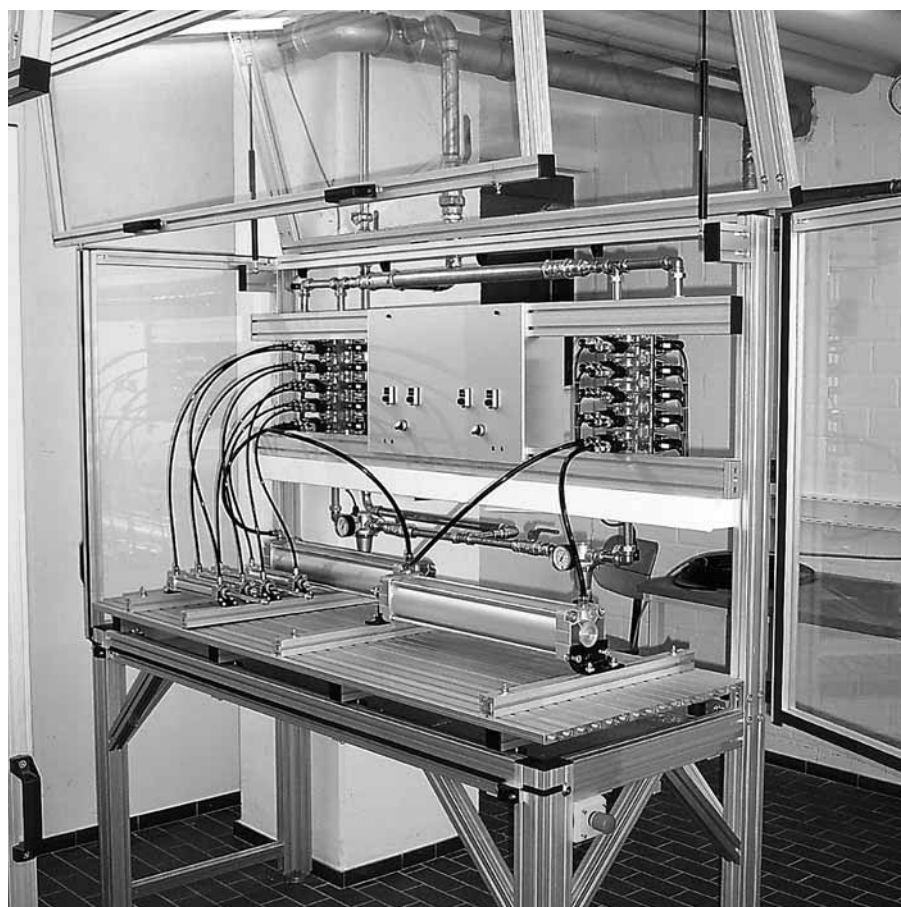
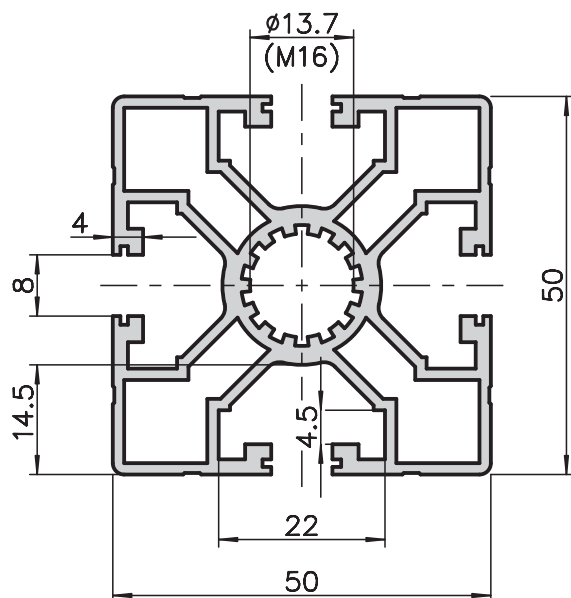
Technical data

$I_{x,y}$	=	20.55 cm ⁴
$W_{x,y}$	=	8.22 cm ³
Cross-section area	=	8.38 cm ²
Weight	=	2.26 kg/m

Order data Order number

Four sided softline extrusion 50x50	
Standard length 5000 mm	A10-0-00/5000
Four sided softline extrusion 50x50	
Cut to length	A10-0-02-02/...
Extra machining	Pages 55-59

Lightweight extrusion 50x50 type A02-1



Technical data

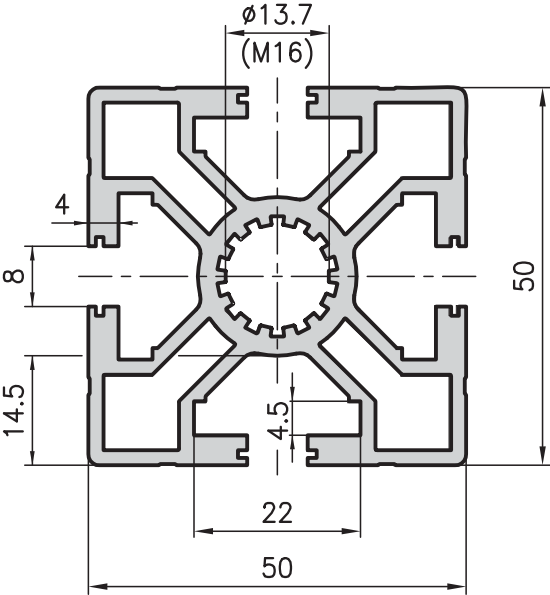
$I_{x,y}$	=	16.07 cm ⁴
$W_{x,y}$	=	6.42 cm ³
Cross-section area	=	6.71 cm ²
Weight	=	1.8 kg/m

Order data

Order number

Lightweight extrusion 50x50	
Standard length 5000 mm	A02-1-00/5000
Lightweight extrusion 50x50	
Cut to length	A02-1-02-02/...
Extra machining	Pages 55-59

50x50 base extrusion
type A01-1

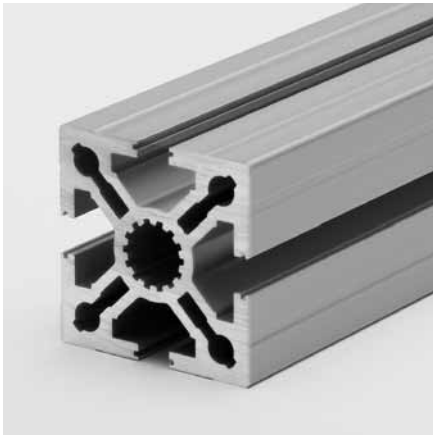
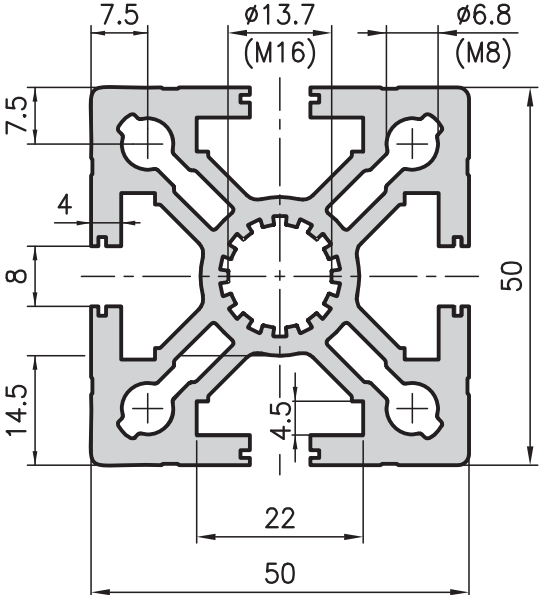


Technical data

$I_{x,y}$	=	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
50x50 base extrusion	
Standard length 5000 mm	A01-1-00/5000
Standard length 6000 mm	A01-1-01/6000
50x50 base extrusion	
Cut to length	A01-1-02-02/...
50x50 base extrusion roh	A01-1-R0/5000
Cut to length	A01-1-R0-02-02/...

50x50 heavy duty
extrusion type MA1-1



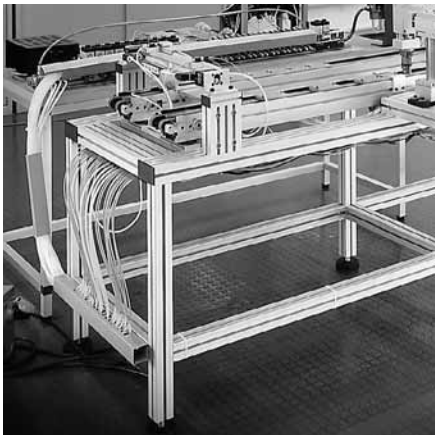
Technical data

$I_{x,y}$	=	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
50x50 heavy duty extrusion	
Standard length 5000 mm	MA1-1-00/5000
Standard length 6000 mm	MA1-1-01/6000
50x50 heavy duty extrusion	
Cut to length	MA1-1-02-02/...
Extra machining	Pages 55-59

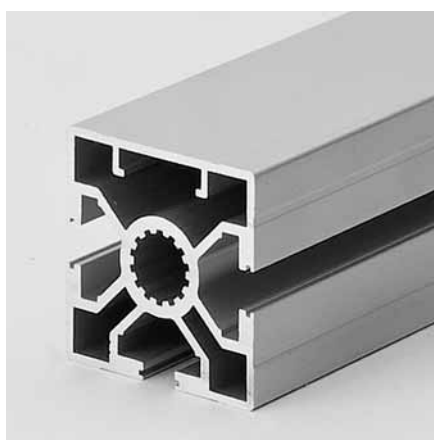
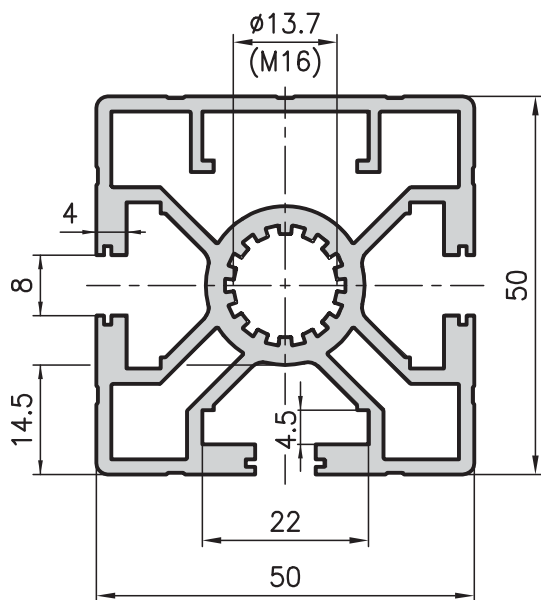
Application

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, 0.8x10 page 159.



Extra machining

50x50 face extrusion type A01-8



Technical data

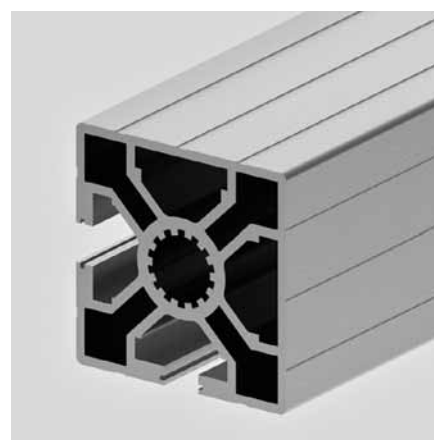
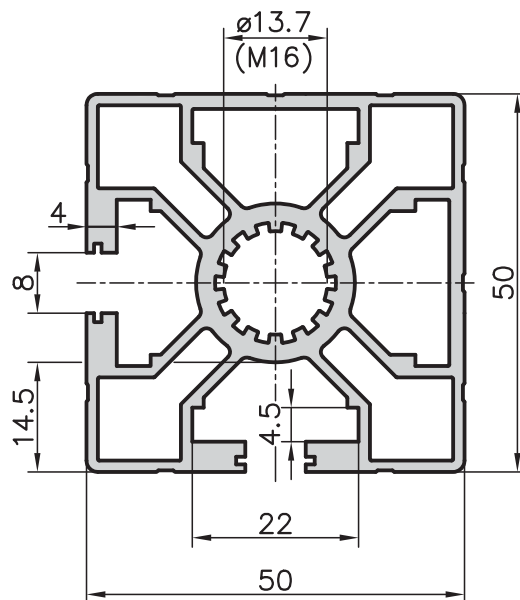
I_x	=	20.38 cm ⁴
I_y	=	19.61 cm ⁴
W_x	=	8.15 cm ³
W_y	=	7.55 cm ³
Cross-section area	=	8.01 cm ²
Weight	=	2.2 kg/m

Order data

Order number

50x50 face extrusion	
Standard length 5000 mm	A01-8-00/5000
50x50 face extrusion	
Cut to length	A01-8-02-02/...
Extra machining	Pages 55-59

50x50 corner extrusion type A01-7



Technical data

$I_{x,y}$	=	17.7 cm ⁴
$W_{x,y}$	=	7.05 cm ³
Cross-section area	=	7.5 cm ²
Weight	=	2.0 kg/m

Order data

Order number

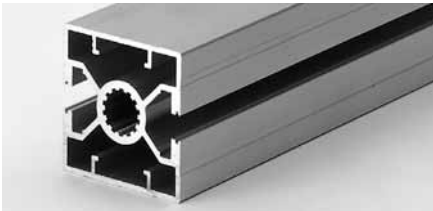
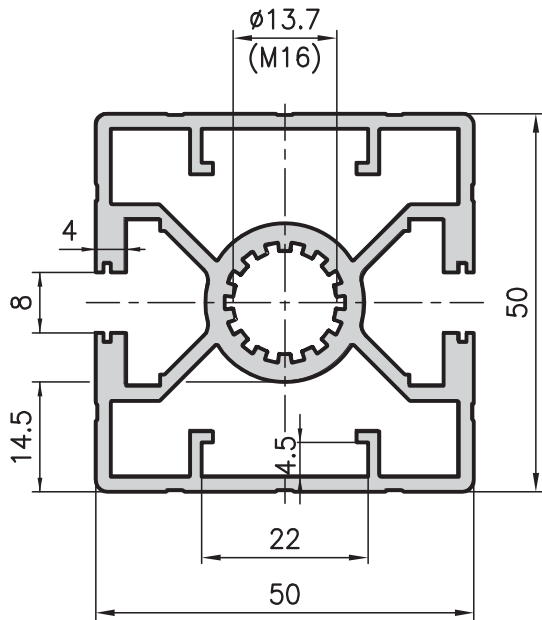
50x50 corner extrusion	
Standard length 5000 mm	A01-7-00/5000
50x50 corner extrusion	
Cut to length	A01-7-02-02/...
Extra machining	Pages 55-59

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 AC32-... type threaded plates. The small lugs inside the extrusion guide the plates.



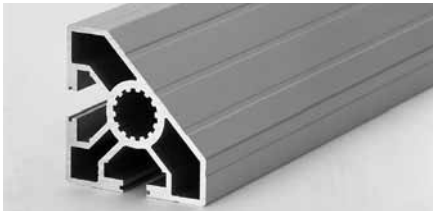
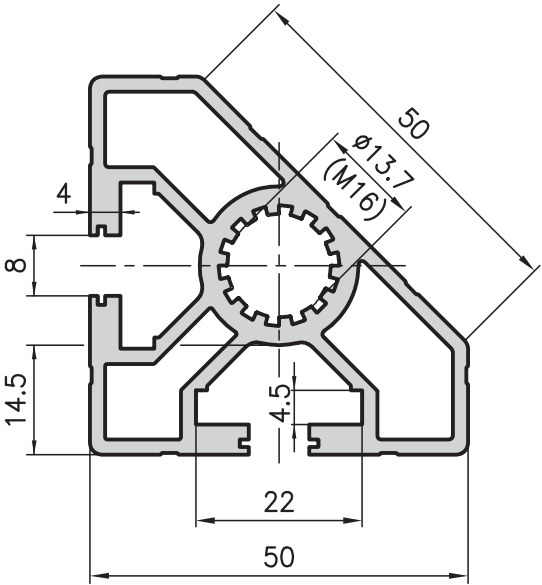
50x50 double face
extrusion type A02-4



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.

50x45° angle
extrusion type A02-8



Technical data

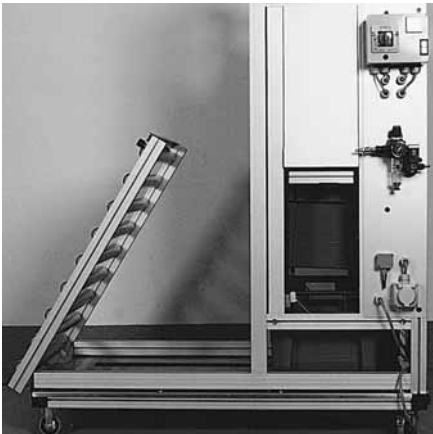
I_x	=	19.59 cm ⁴
I_y	=	18.17 cm ⁴
W_x	=	7.83 cm ³
W_y	=	7.27 cm ³
Cross-section area	=	7.39 cm ²
Weight	=	2.0 kg/m

Order data Order number

50x50 double face extrusion
Standard length 5000 mm A02-4-00/5000

50x50 double face extrusion
Cut to length A02-4-02-02/...

Extra machining Pages 55-59



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

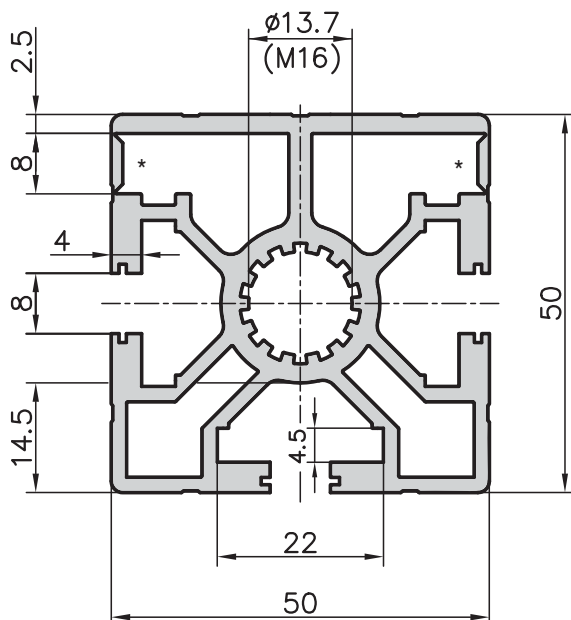
Order data Order number

50x45° angle extrusion
Standard length 5000 mm A02-8-00/5000

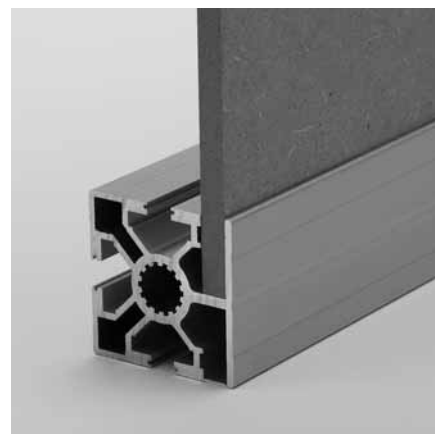
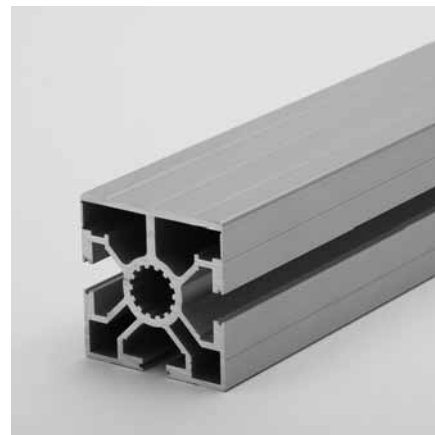
50x45° angle extrusion
Cut to length A02-8-02-02/...

Extra machining Pages 55-59

50x50 face extrusion with rip off panel slots type A03-8



* rip off slot



Application

The one face closed extrusion gives the possibility to open a slot to insert a panel, ideal for delicate solar-panels. Rip off the slot, if necessary put in a sealing strip, insert panels and mount the frame. The 8 mm panels fit perfectly in the rip off slot.

Technical data

I_x	=	20.40 cm ⁴
I_y	=	19.72 cm ⁴
W_x	=	8.07 cm ³
W_y	=	7.89 cm ³
Cross-section area	=	8.28 cm ²
Weight	=	2.2 kg/m

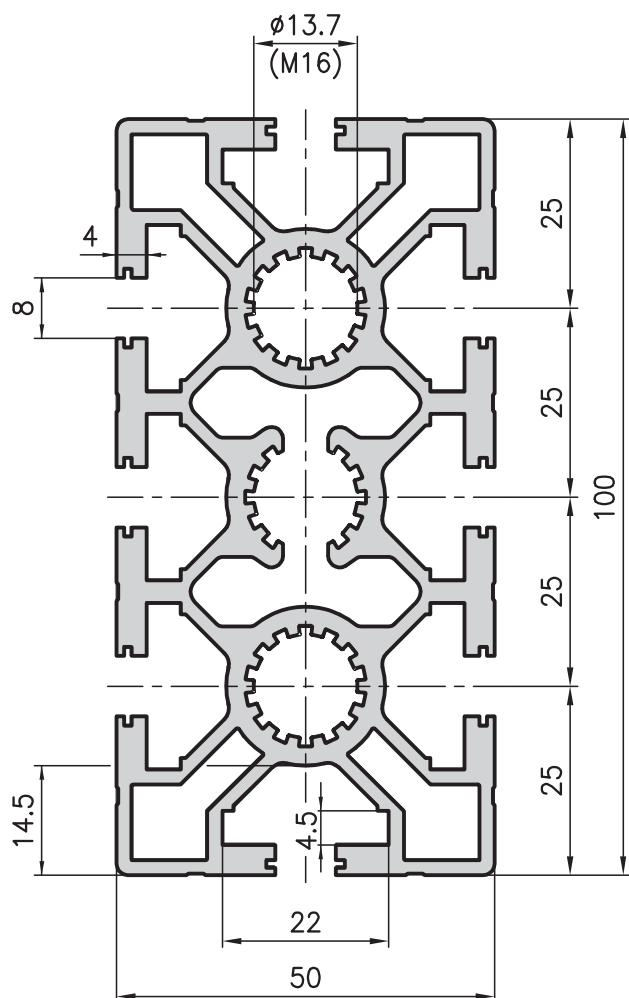
Order data

Order number

50x50 face extrusion with rip off slot	
Standard length 5000 mm	A03-8-00/5000
50x50 face extrusion with rip off slot	
Cut to length	A03-8-02-02/...
Extra machining	Pages 55-59



50x100 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

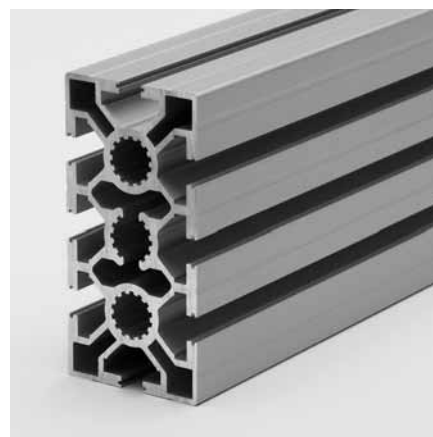
Order data

Order number

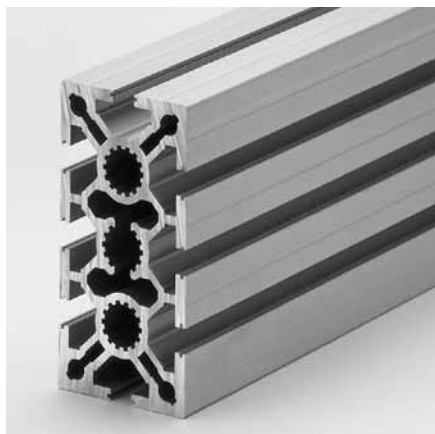
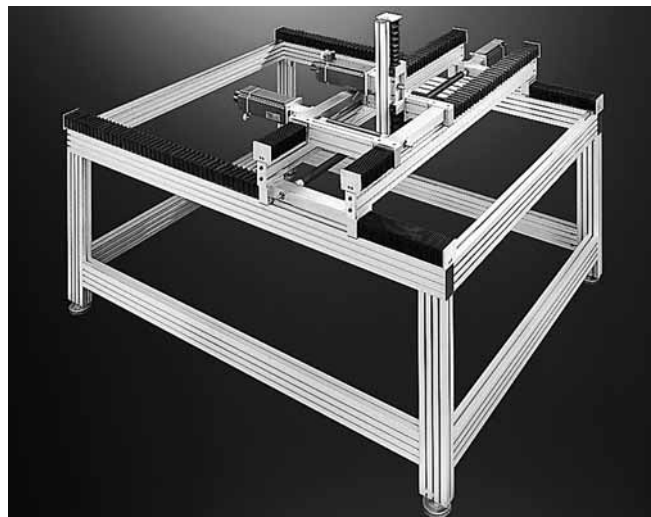
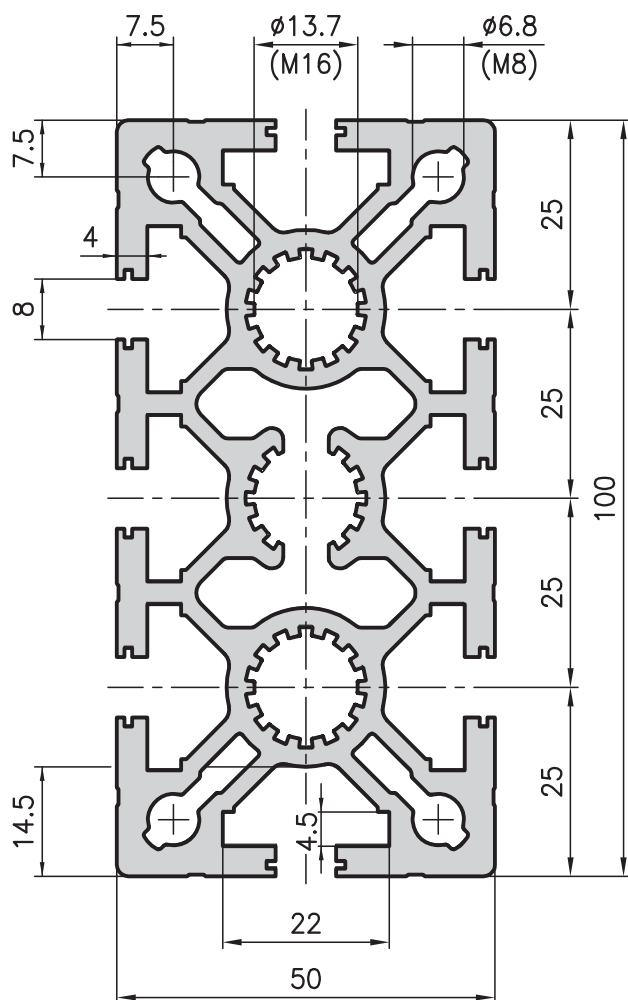
50x100 base extrusion	
Standard length 5000 mm	A01-2-00/5000
Standard length 6000 mm	A01-2-01/6000
50x100 base extrusion	
Cut to length	A01-2-02-02/...
Extra machining	Pages 55-59

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.



50x100 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

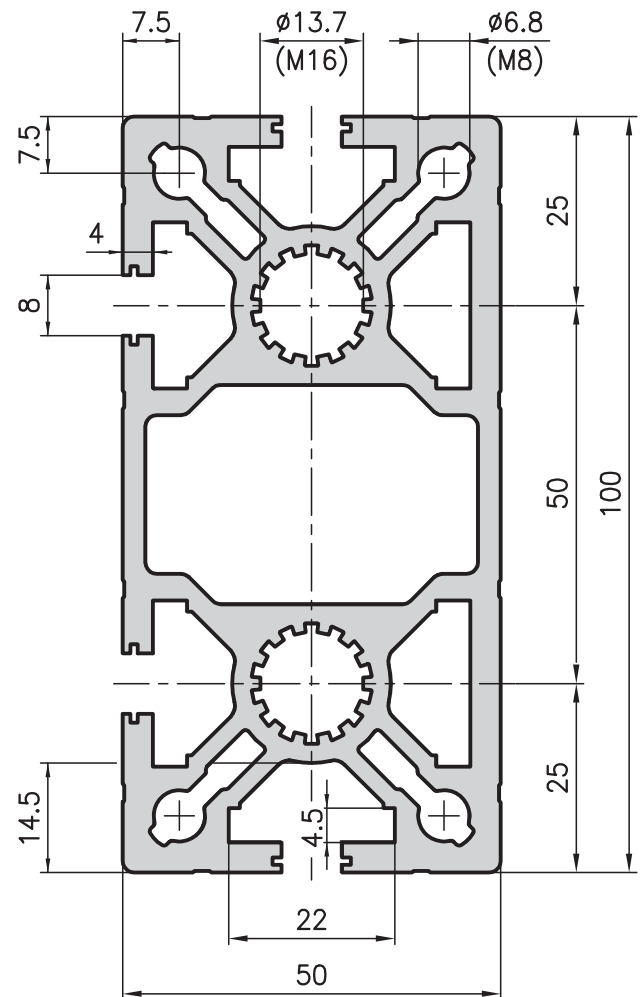
I_x	=	198.66 cm ⁴
I_y	=	50.28 cm ⁴
W_x	=	39.73 cm ³
W_y	=	20.11 cm ³
Cross-section area	=	19.79 cm ²
Weight	=	5.3 kg/m

Order data

Order number

50x100 heavy duty extrusion	
Standard length 5000 mm	MA1-2-00/5000
Standard length 6000 mm	MA1-2-01/6000
50x100 heavy duty extrusion	
Cut to length	MA1-2-02-02/...
Extra machining	Pages 55-59

50x100 face extrusion type MA1-4



Technical data

I_x	=	203.67 cm ⁴
I_y	=	54.31 cm ⁴
W_x	=	40.73 cm ³
W_y	=	21.03 cm ³
Cross-section area	=	19.34 cm ²
Weight	=	5.2 kg/m

Order data

Order number

50x100 face extrusion	
Standard length 5000 mm	MA1-4-00/5000
Standard length 6000 mm	MA1-4-01/6000

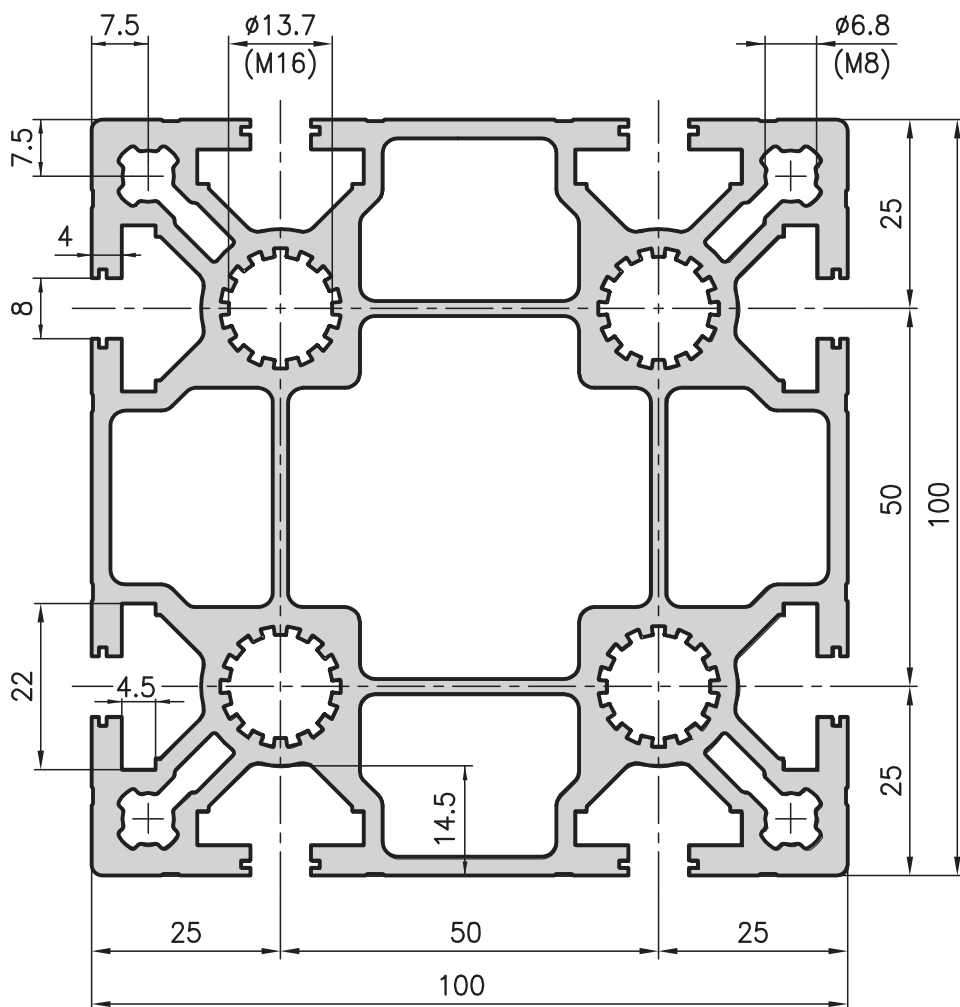
50x100 face extrusion	
Cut to length	MA1-4-02-02/...
Extra machining	Pages 55-59

Application

An extrusion which boasts all the advantages of the comparable A01-2 and MA1-2. In addition, its large inner cavity can be used to channel air, gas, water, oil, etc. The driving belt on a twin-belt conveyor can also be fed back in this chamber. The sealed face keeps dirt out. The extrusion can be extended using the closed threaded-plate slots. Simply drill a hole, place a threaded plate behind the hole and carry on building!



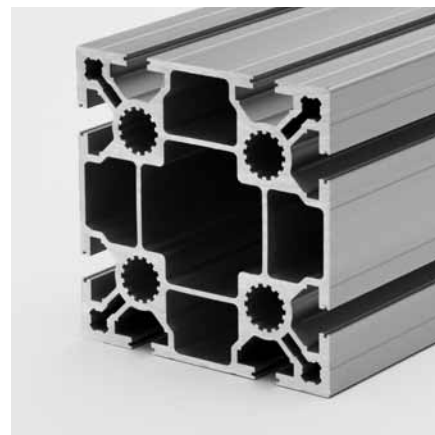
100x100 base extrusion type MA2-5



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

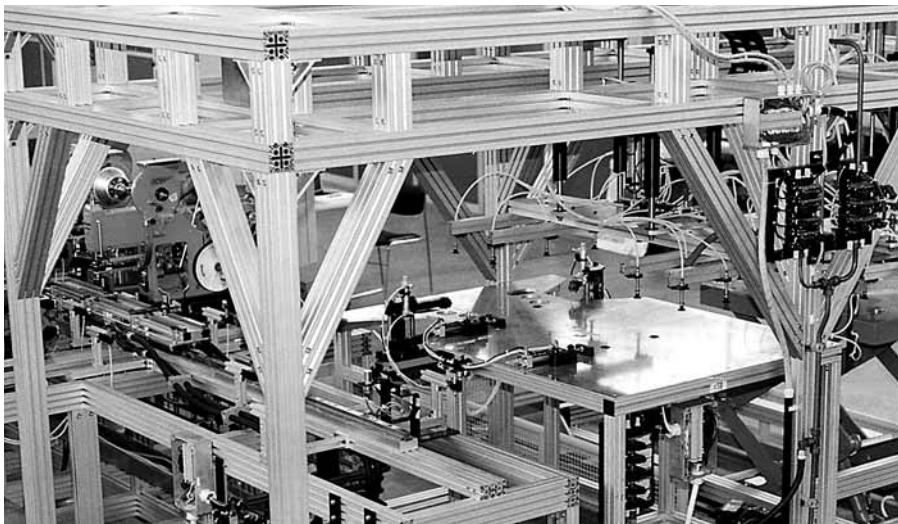
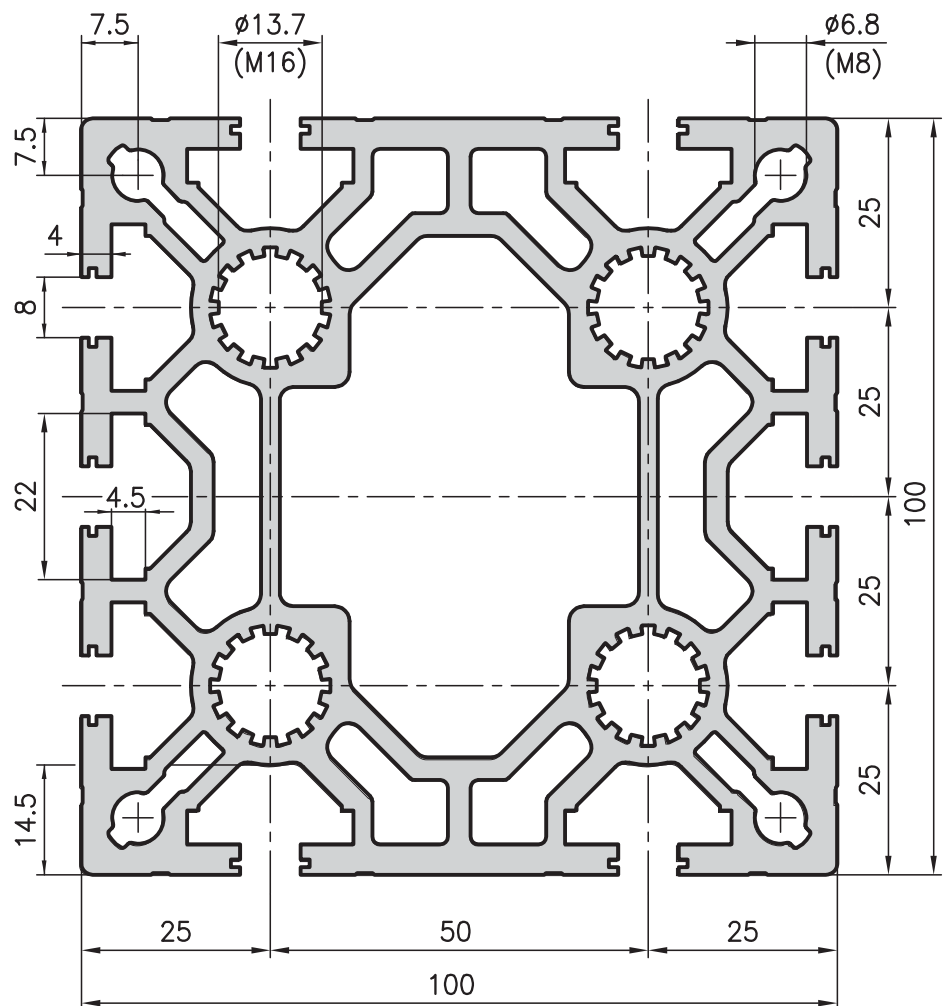
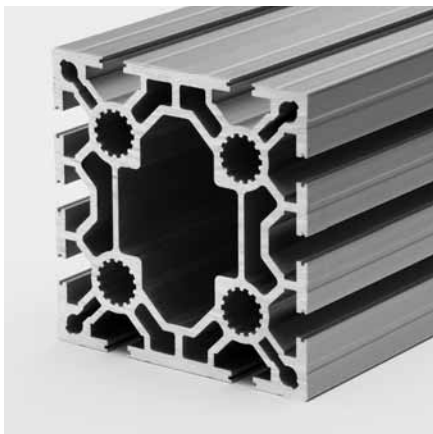
100x100 base extrusion	
Standard length 5000 mm	MA2-5-00/5000
Standard length 6000 mm	MA2-5-01/6000
100x100 base extrusion	
Cut to length	MA2-5-02-02/...
Extra machining	Pages 55-59



**100x100 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 100x200 heavy duty extrusion, MA1-9.



Technical data

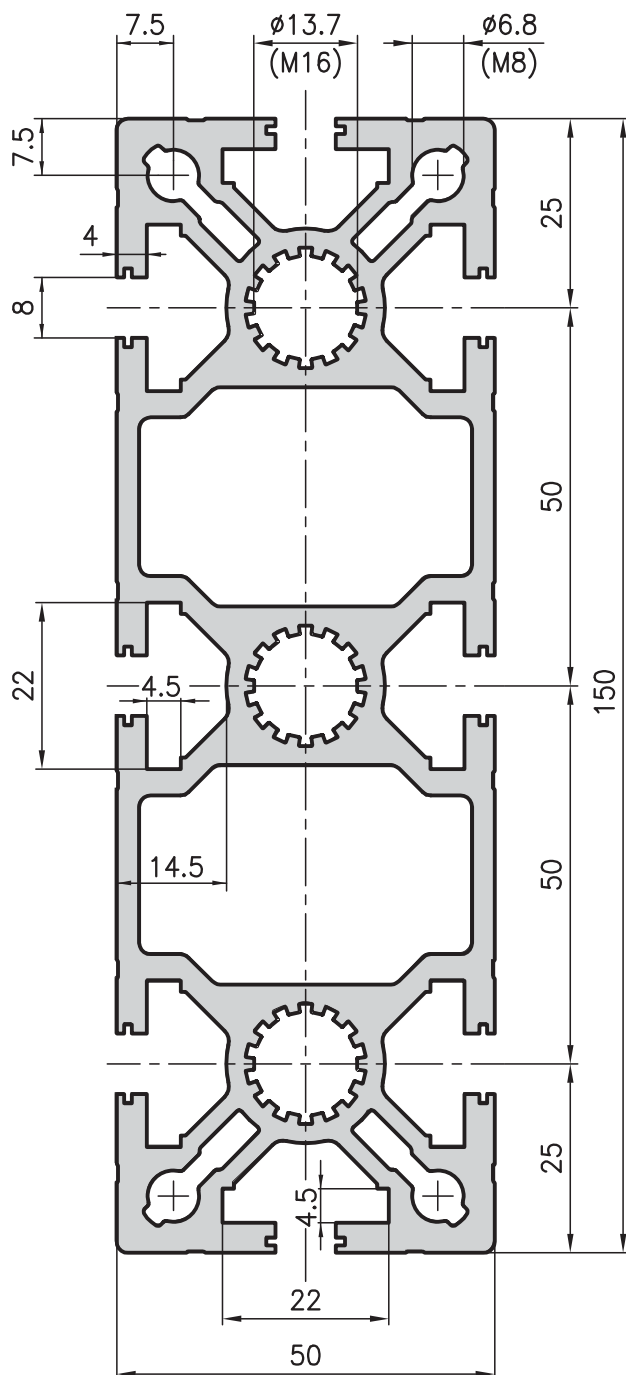
I _x	=	380.00 cm ⁴
I _y	=	365.00 cm ⁴
W _x	=	76.00 cm ³
W _y	=	73.00 cm ³
Cross-section area	=	35.19 cm ²
Weight	=	9.5 kg/m

Order data

Order number

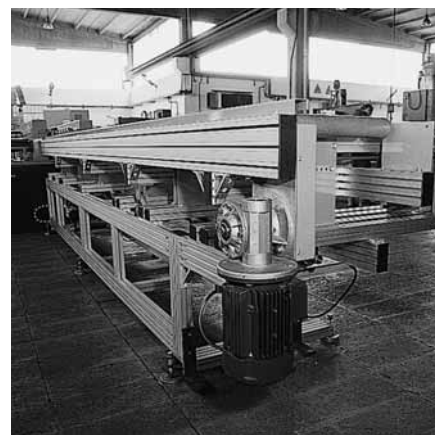
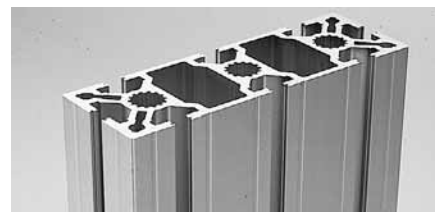
100x100 heavy duty extrusion	
Standard length 5000 mm	MA1-5-00/5000
Standard length 6000 mm	MA1-5-01/6000
100x100 heavy duty extrusion	
Cut to length	MA1-5-02-02/...
Extra machining	Pages 55-59

50x150 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

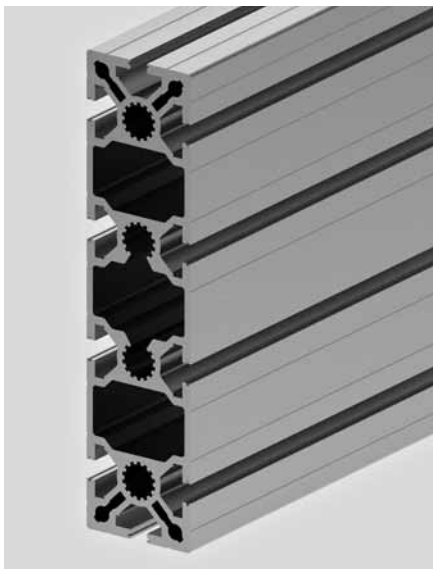
Order number

50x150 bearing extrusion	
Standard length 5000 mm	MA1-3-00/5000
Standard length 6000 mm	MA1-3-01/6000
50x150 bearing extrusion	
Cut to length	MA1-3-02-02/...
Extra machining	Pages 55-59

Beam extrusion 50x200 type MA1-6

Application

An optimum extrusion for large gantries and stable cross-beams. Together with the extrusion MA1-9, large robust constructions can be created. Similar to the MA1-3, this extrusion is mainly used to support heavy loads because of its excellent load-bearing characteristics.

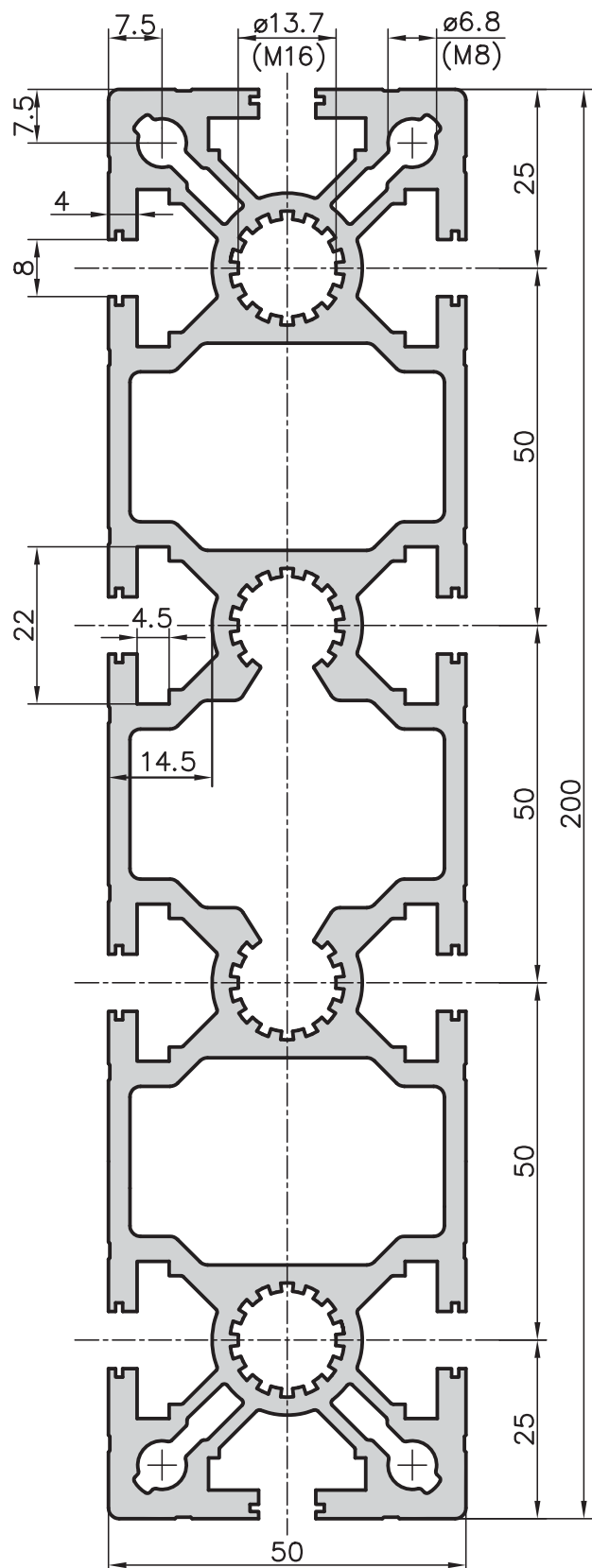


Technical data

I_x	=	1315.83 cm ⁴
I_y	=	92.71 cm ⁴
W_x	=	131.58 cm ³
W_y	=	37.08 cm ³
Cross-section area	=	32.74 cm ²
Weight	=	8.84 kg/m

Order data Order number

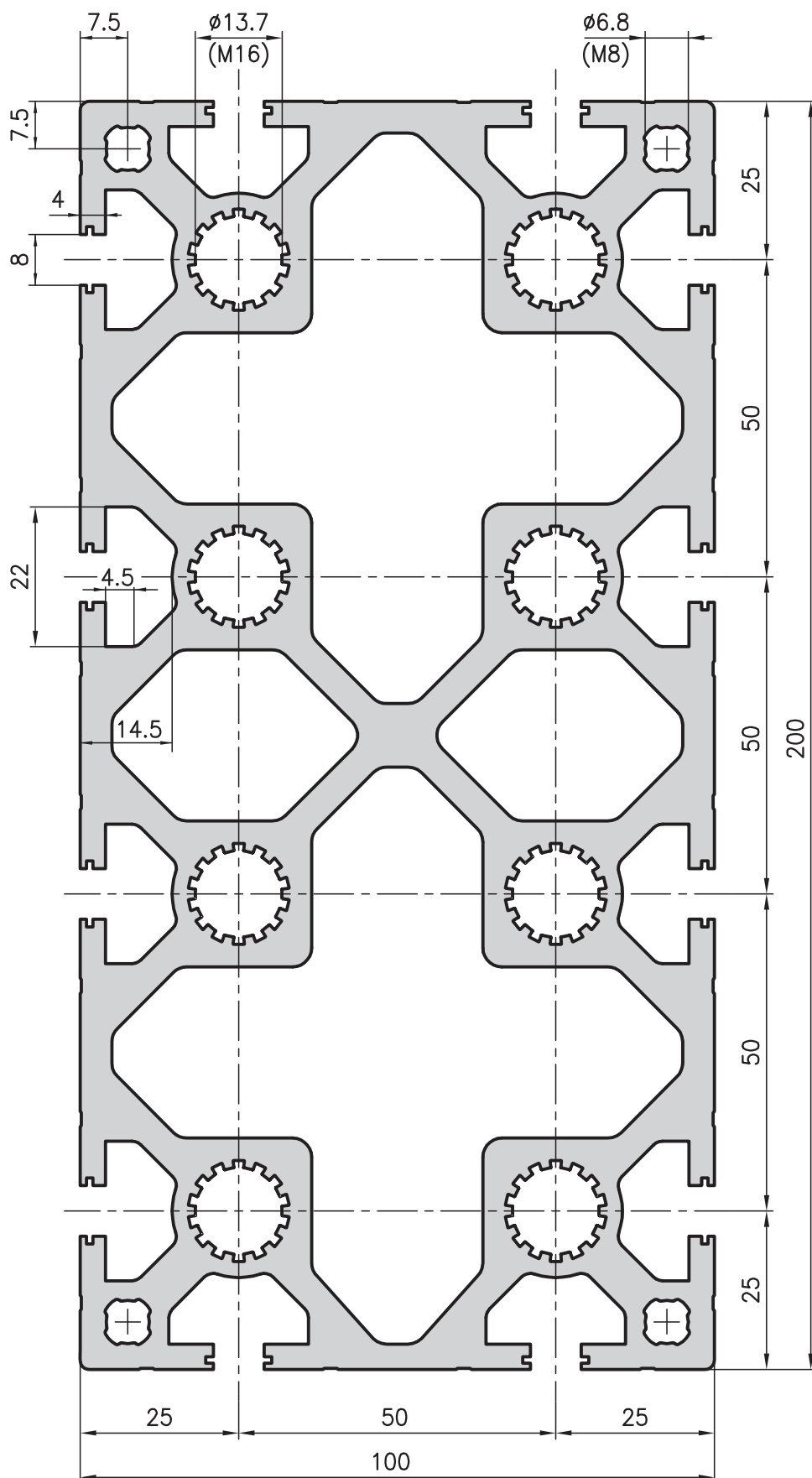
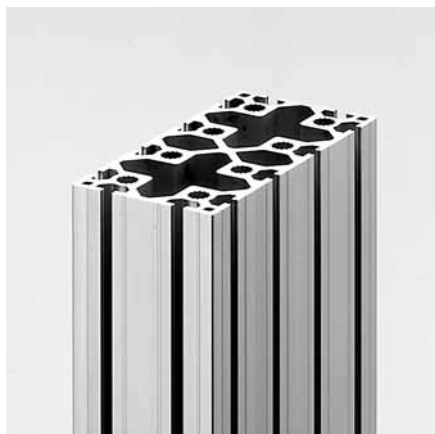
Beam extrusion 50x200	
Standard length 6000 mm	MA1-6-01/6000
Beam extrusion 50x200	
Cut to length	MA1-6-02-02/...
Extra machining	Pages 55-59



100x200 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

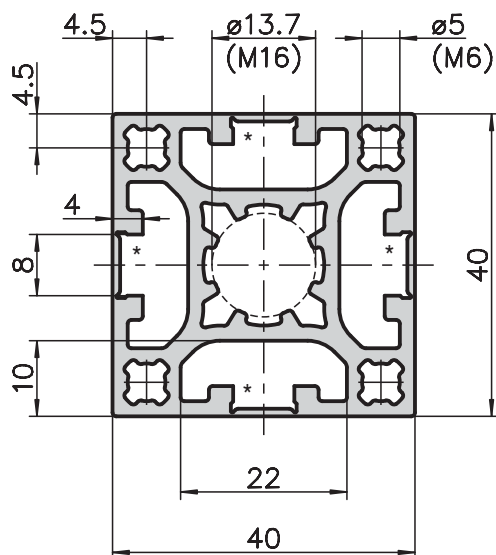
I_x	=	2442.53 cm ⁴
I_y	=	718.61 cm ⁴
W_x	=	244.25 cm ³
W_y	=	143.72 cm ³
Cross-section area	=	62.90 cm ²
Weight	=	17.0 kg/m

Order data

Order number

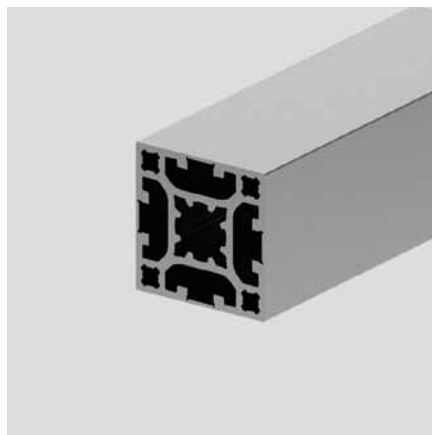
100x200 heavy duty extrusion	
Standard length 5000 mm	MA1-9-00/5000
Standard length 6000 mm	MA1-9-01/6000
100x200 heavy duty extrusion	
Cut to length	MA1-9-02-02/...
Extra machining	Pages 55-59

Four sided softline extrusion 40x40 type C10-0



Application

These extrusions are used in clean-room applications, in the food industry or anywhere where no open slots are to be found and where smooth surfaces are desired. Thanks to the rip off slots, all connection options are guaranteed.



Technical data

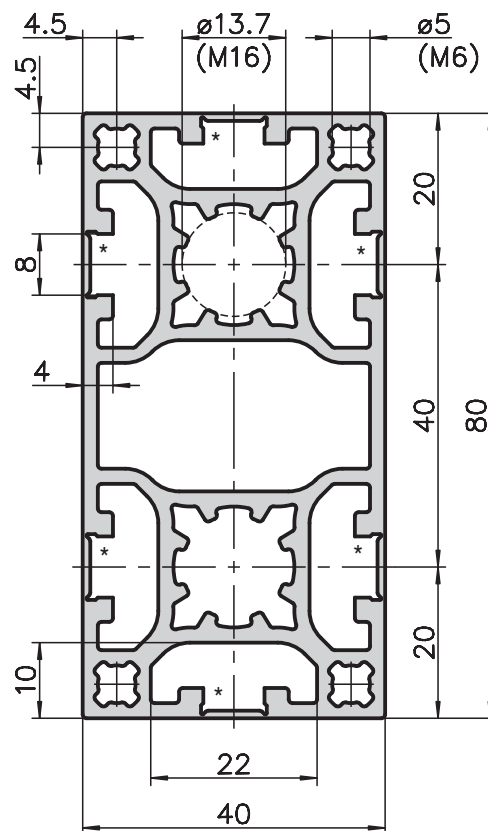
$I_{x,y}$	=	9.6 cm ⁴
$W_{x,y}$	=	4.75 cm ³
Cross-section area	=	5.97 cm ²
Weight	=	1.6 kg/m

Order data

Order number

Four sided softline extrusion 40x40	
Standard length 5000 mm	C10-0-00/5000
Four sided softline extrusion 40x40	
Cut to length	C10-0-02-02/...
Extra machining	Pages 55-59

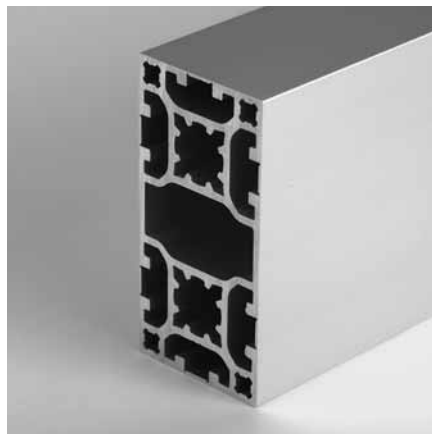
Four sided softline extrusion 40x80 type C10-3



* Rip off slot

Application

Same intended use as C10-0 but with greater stability because of the dimension 40x80mm.



Technical data

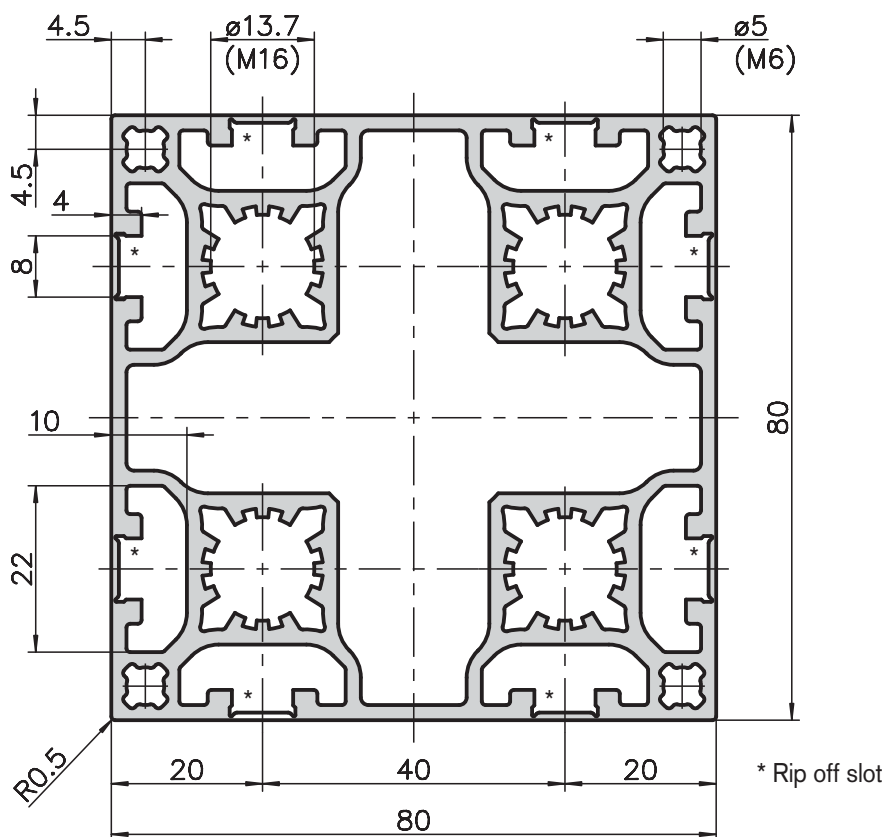
I _x	=	69.73 cm ⁴
I _y	=	18.52 cm ⁴
W _x	=	17.43 cm ³
W _y	=	9.26 cm ³
Cross-section area	=	10.34 cm ²
Weight	=	2.8 kg/m

Order data

Order number

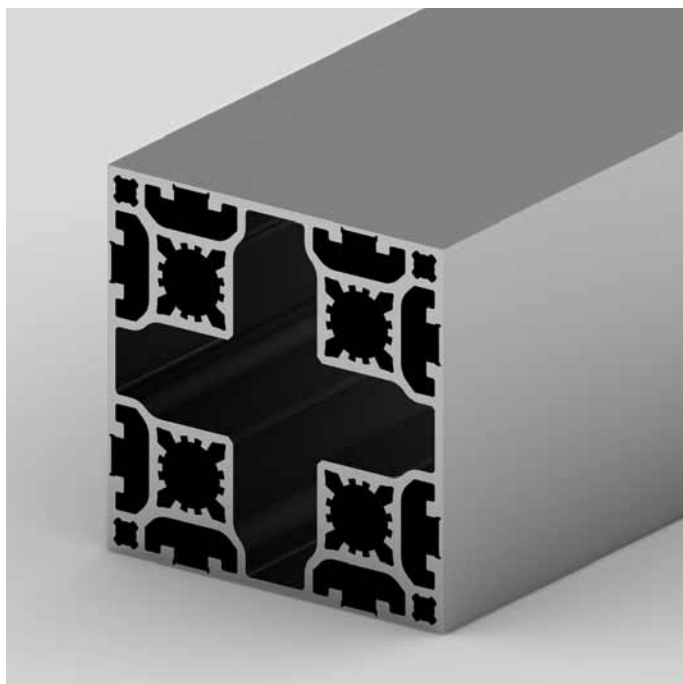
Four sided softline extrusion 40x80	
Standard length 5000 mm	C10-3-00/5000
Four sided softline extrusion 40x80	
Cut to length	C10-3-02-02/...
Extra machining	Pages 55-59

Four sided softline extrusion 80x80 type C10-4



Application

This lightweight, fully closed extrusion with a dimension 80x80, together with the 40x40 and 40x80 of the softline range of extrusions, is used in clean-room applications and for aesthetic applications where no slots are desired. The slots can be easily opened thanks to the predetermined breaking point. The proven KANYA connection technology can be easily used. Closing slots afterwards is inefficient and expensive! Partial opening of slots does not pose a problem, thereby allowing panels to be inserted into the slots of constructions.



Technical data

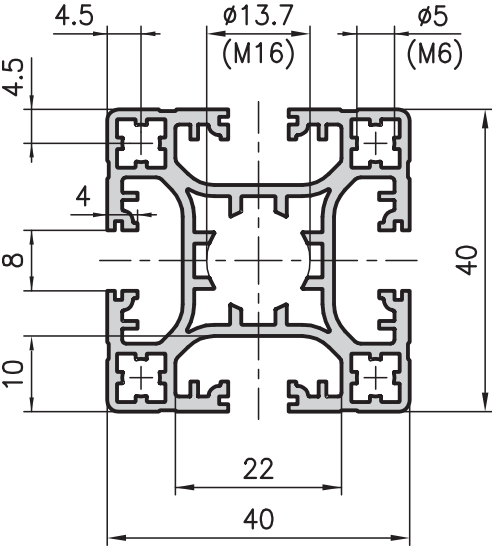
$I_{x,y}$	=	119.40 cm ⁴
$W_{x,y}$	=	29.85 cm ³
Cross-section area	=	16.36 cm ²
Weight	=	4.39 kg/m

Order data

Order number

Softline extrusion 80x40	
Standard length 5000 mm	C10-4-00/5000
Softline extrusion 80x80	
Cut to length	C10-4-02-02/...
Extra machining	Pages 55-59

40x40 super lightweight extrusion type C03-1



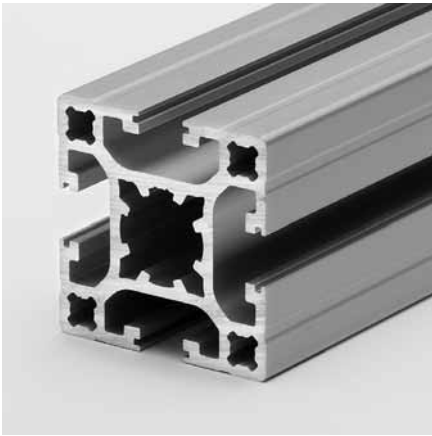
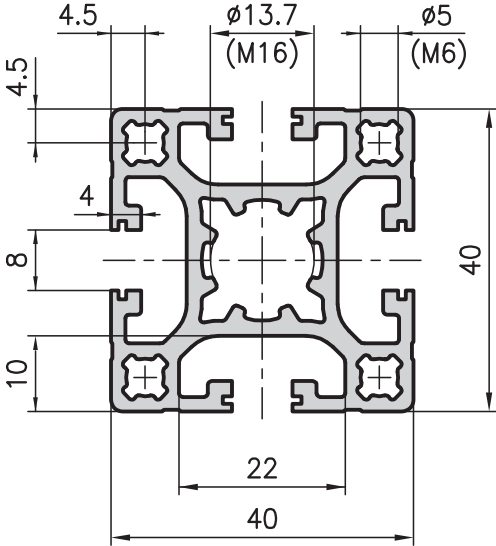
Technical data

$I_{x,y}$	=	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

40x40 super lightweight extrusion	
Standard length 5000 mm	C03-1-00/5000
40x40 super lightweight extrusion	
Cut to length	C03-1-02-02/...
Extra machining	Pages 55-59

40x40 lightweight extrusion type C02-1



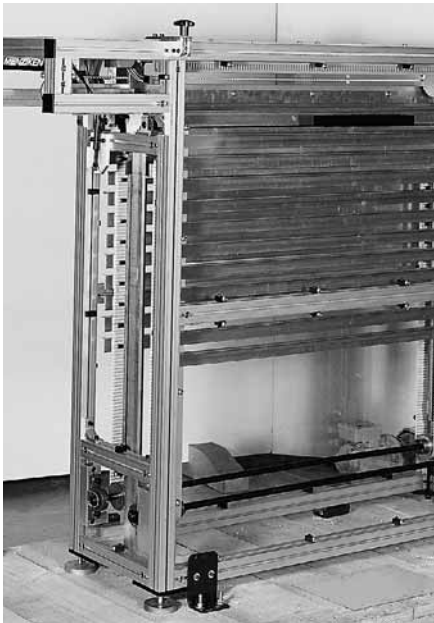
Technical data

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

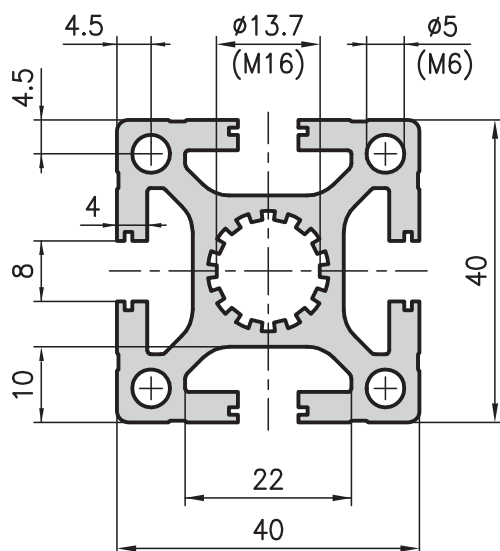
Order data Order number

40x40 lightweight extrusion	
Standard length 5000 mm	C02-1-00/5000
40x40 lightweight extrusion	
Cut to length	C02-1-02-02/...
Extra machining	Pages 55-59

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



40x40 base extrusion type C01-1



Technical data

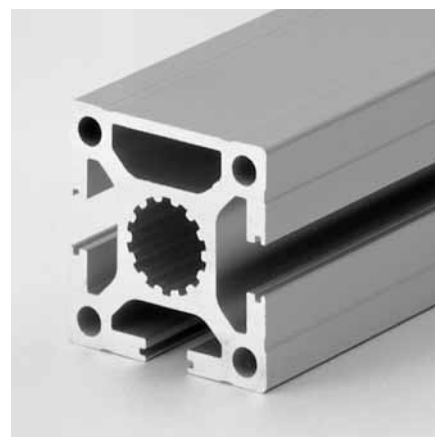
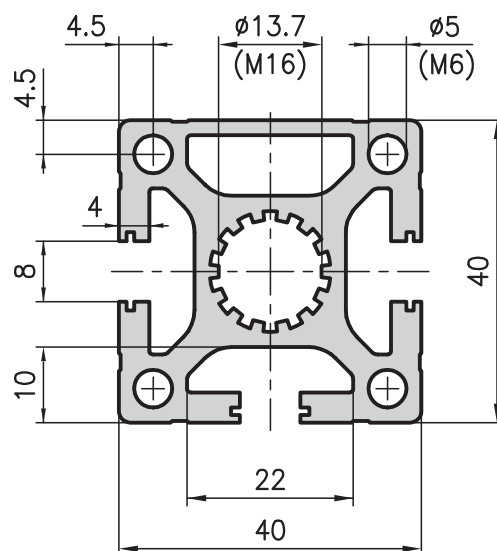
$I_{x,y}$	=	11.70 cm ⁴
$W_{x,y}$	=	5.75 cm ³
Cross-section area	=	7.29 cm ²
Weight	=	2.0 kg/m

Order data

Order number

40x40 base extrusion	
Standard length 5000 mm	C01-1-00/5000
40x40 base extrusion	
Cut to length	C01-1-02-02/...
Extra machining	Pages 55-59

40x40 face extrusion type C01-8



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

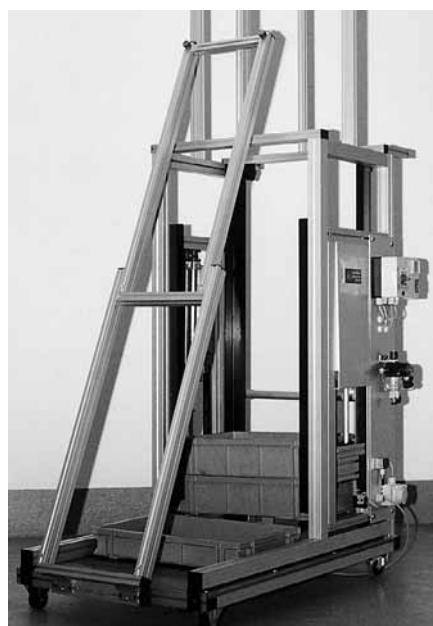
Order data

Order number

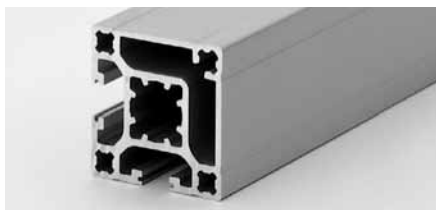
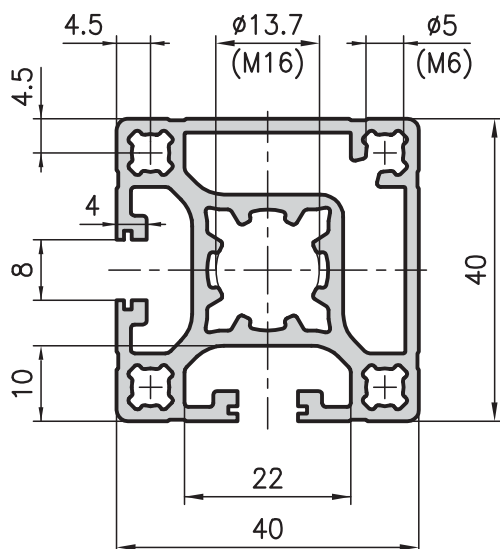
40x40 face extrusion	
Standard length 5000 mm	C01-8-00/5000
40x40 face extrusion	
Cut to length	C01-8-02-02/...
Extra machining	Pages 55-59

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.



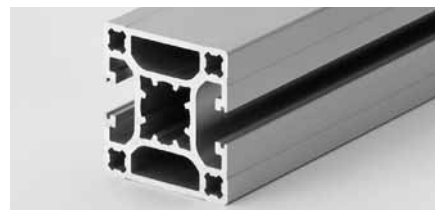
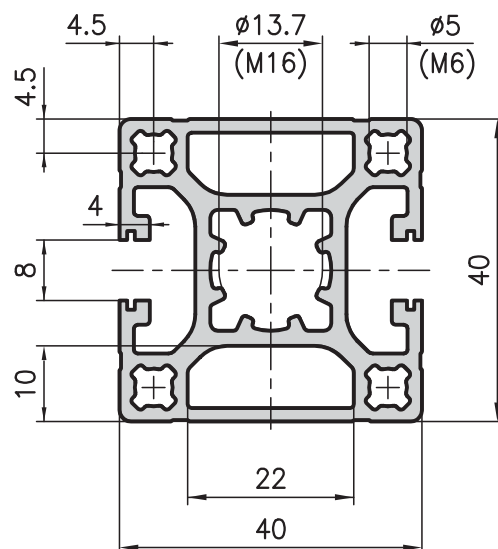
40x40 corner extrusion type C01-7



Application

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

40x40 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

$I_{x,y}$	=	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 data	Order number
40x40 corner extrusion	
Standard length 5000 mm	C01-7-00/5000
40x40 corner extrusion	
Cut to length	C01-7-02-02/...
Extra machining	Pages 55-59



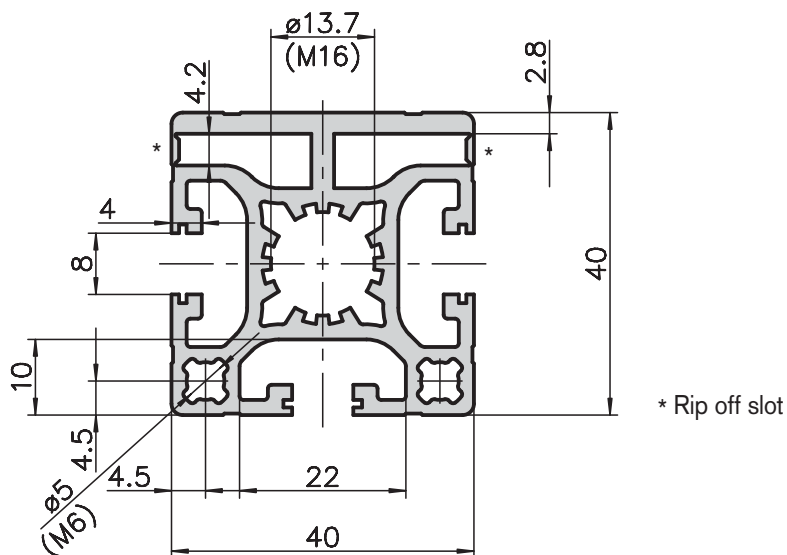
Technical data

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

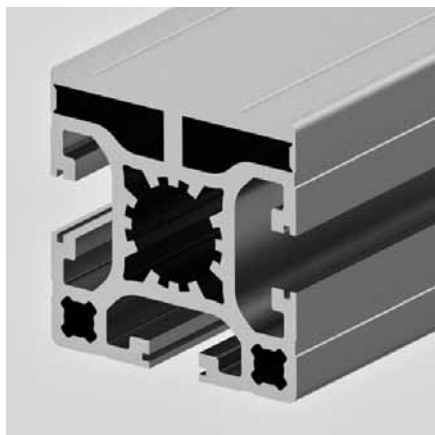
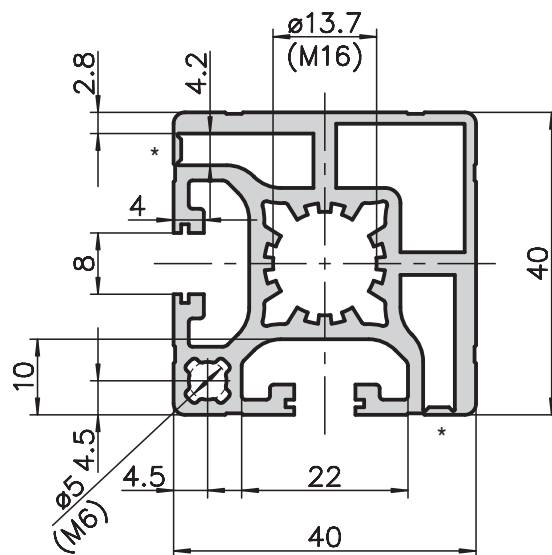
Order data

Order data	Order number
40x40 double face extrusion	
Standard length 5000 mm	C02-4-00/5000
40x40 double face extrusion	
Cut to length	C02-4-02-02/...
Extra machining	Pages 55-59

Face panel extrusion 40x40 type C02-2

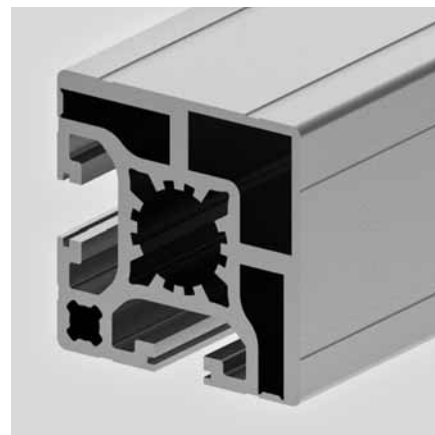


Corner panel extrusion 40x40 type C02-7



Application

Face and corner panel extrusions have rip off slots. This allows you to insert panels in the face extension. The associated surround extrusion C39-63 can be found on Page 161.



Technical data

I_x	=	9.78 cm ⁴
I_y	=	8.77 cm ⁴
W_x	=	4.59 cm ³
W_y	=	4.39 cm ³
Cross-section area	=	6.08 cm ²
Weight	=	1.64 kg/m

Order data Order number

Face panel extrusion 40x40	
Standard length 5000 mm	C02-2-00/5000
Face panel extrusion 40x40	
Cut to length	C02-2-02-02/...
Extra machining	Pages 55-59



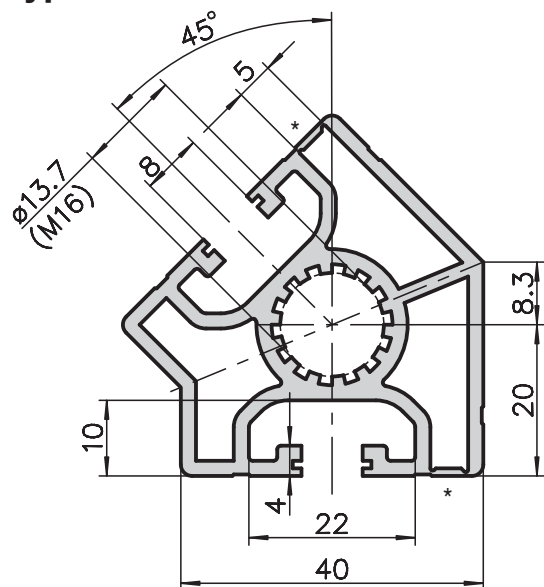
Technical data

$I_{x,y}$	=	9.25 cm ⁴
$W_{x,y}$	=	4.58 cm ³
Cross-section area	=	5.89 cm ²
Weight	=	1.6 kg/m

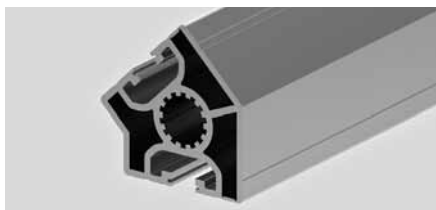
Order data Order number

Corner panel extrusion 40x40	
Standard length 5000 mm	C02-7-00/5000
Corner panel extrusion 40x40	
Cut to length	C02-7-02-02/...
Extra machining	Pages 55-59

Corner extrusion 45° type C04-4



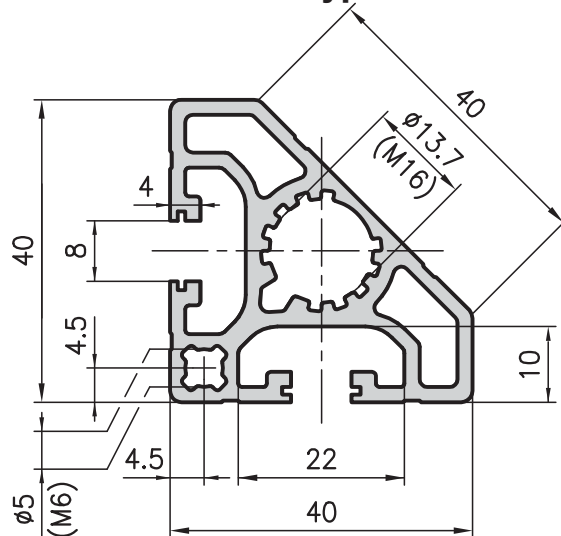
* Rip off slot



Application

Used for mitered constructions or as angle element for 45° connections.

40x45° 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	=	8.46 cm ⁴
I_y	=	9.11 cm ⁴
W_x	=	3.01 cm ³
W_y	=	3.44 cm ³
Cross-section area	=	5.52 cm ²
Weight	=	1.49 kg/m

Order data

Order data	Order number
40x40 corner extrusion 45°	
Standard length 5000 mm	C04-4-00/5000
40x40 corner extrusion 45°	
Cut to length	C04-4-02-02/...
Extra machining	Pages 55-59



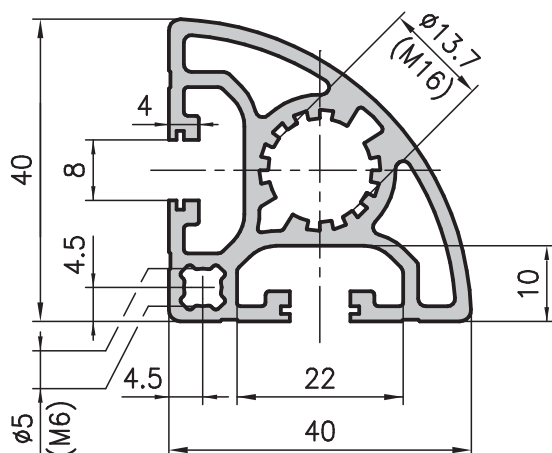
Technical data

$I_{x,y}$	=	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 data	Order number
40x45° angle extrusion	
Standard length 5000 mm	C02-8-00/5000
40x45° angle extrusion	
Cut to length	C02-8-02-02/...
Extra machining	Pages 55-59

Softline extrusion 40x40 type C03-8



Application

Worktables, furniture, display cabinets, picture frames and applications where sharp corners must be avoided

Technical data

$I_{x,y}$	=	6.70 cm ⁴
$W_{x,y}$	=	2.97 cm ³
Cross-section area	=	4.90 cm ²
Weight	=	1.3 kg/m

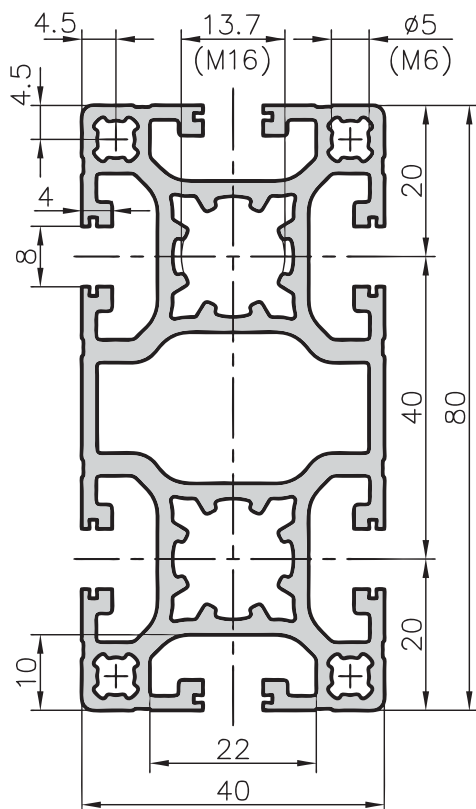
Order data

Order number

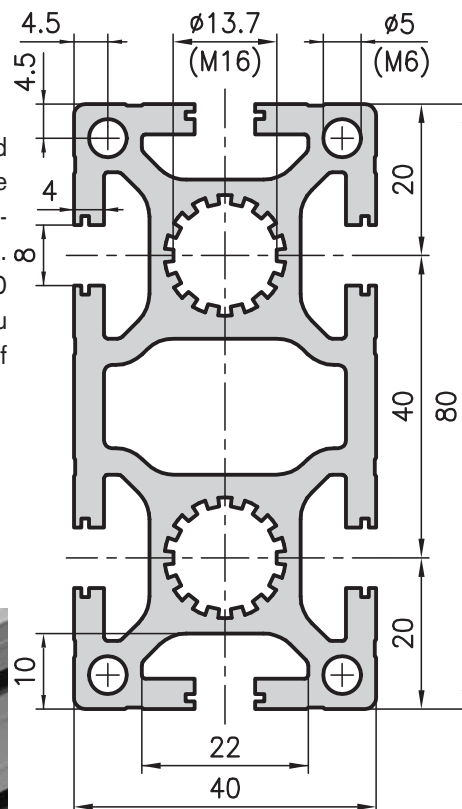
Softline extrusion 40x40	
Standard length 5000 mm	C03-8-00/5000
Softline extrusion 40x40	
Cut to length	C03-8-02-02/...
Extra machining	Pages 55-59



40x80 light extrusion type C02-3



40x80 base extrusion type C01-3



Application

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



Technical data

I_x	=	64.90 cm ⁴
I_y	=	17.70 cm ⁴
W_x	=	16.23 cm ³
W_y	=	8.85 cm ³
Cross-section area	=	10.20 cm ²
Weight	=	2.8 kg/m

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

40x80 light extrusion	
Standard length 5000 mm	C02-3-00/5000
40x80 light extrusion	
Cut to length	C02-3-02-02/...
Extra machining	Pages 55-59



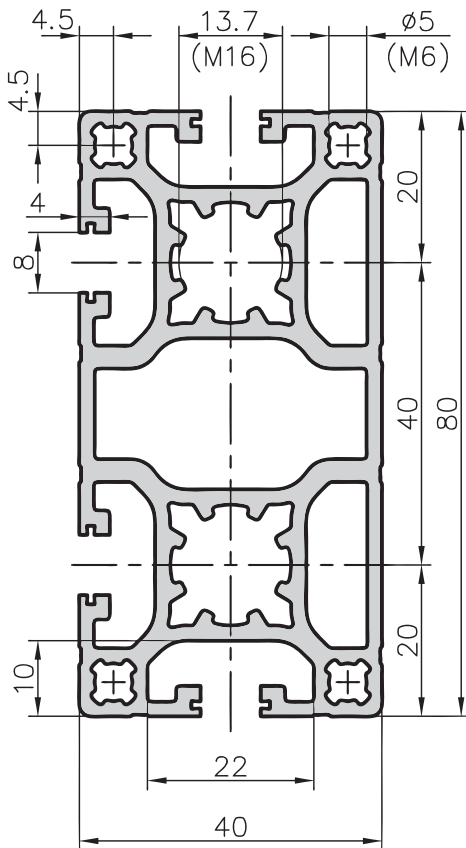
Technical data

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
------------	--------------

40x80 base extrusion	
Standard length 5000 mm	C01-3-00/5000
40x80 base extrusion	
Cut to length	C01-3-02-02/...
Extra machining	Pages 55-59

40x80 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.

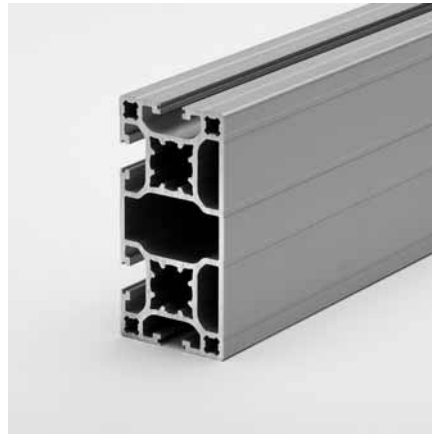
Technical data

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

40x80 face extrusion	
Standard length 5000 mm	C01-5-00/5000
40x80 face extrusion	
Cut to length	C01-5-02-02/...
Extra machining	Pages 55-59



Application

The light extrusion 40x120 with the rip off slots for use with the new connecting technology, PVS®-EASY, is a cost effective cross beam.

Technical data

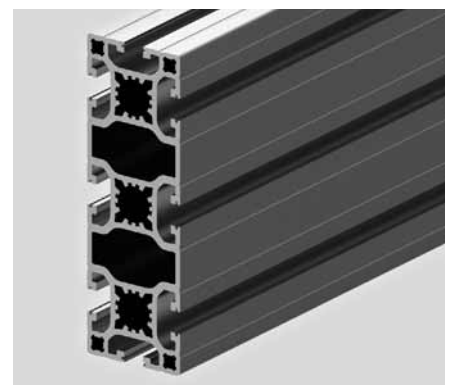
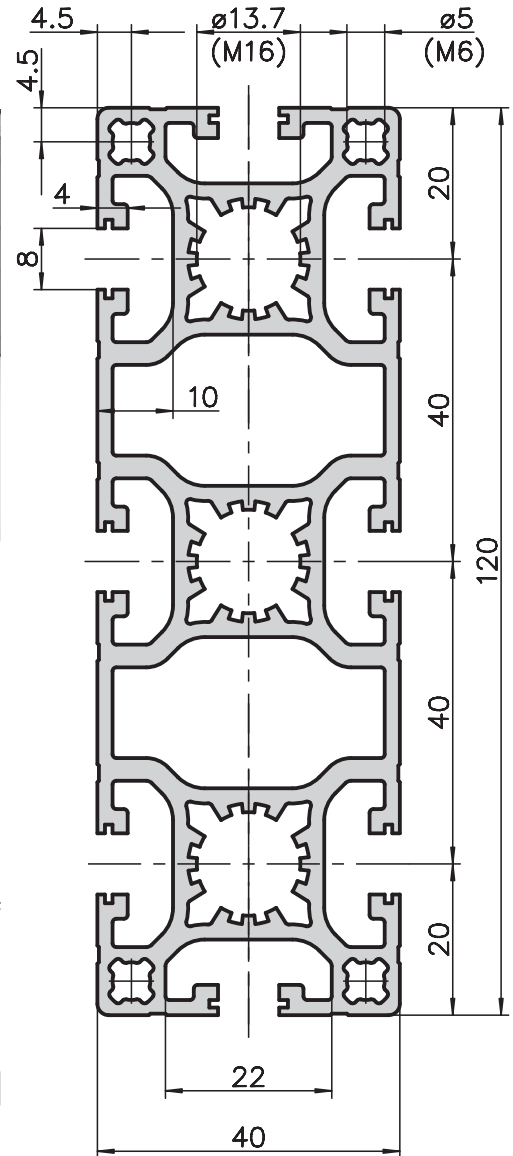
I _x	=	203.49 cm ⁴
I _y	=	25.75 cm ⁴
W _x	=	33.91 cm ³
W _y	=	12.87 cm ³
Cross-section area	=	14.77 cm ²
Weight	=	3.99 kg/m

Order data

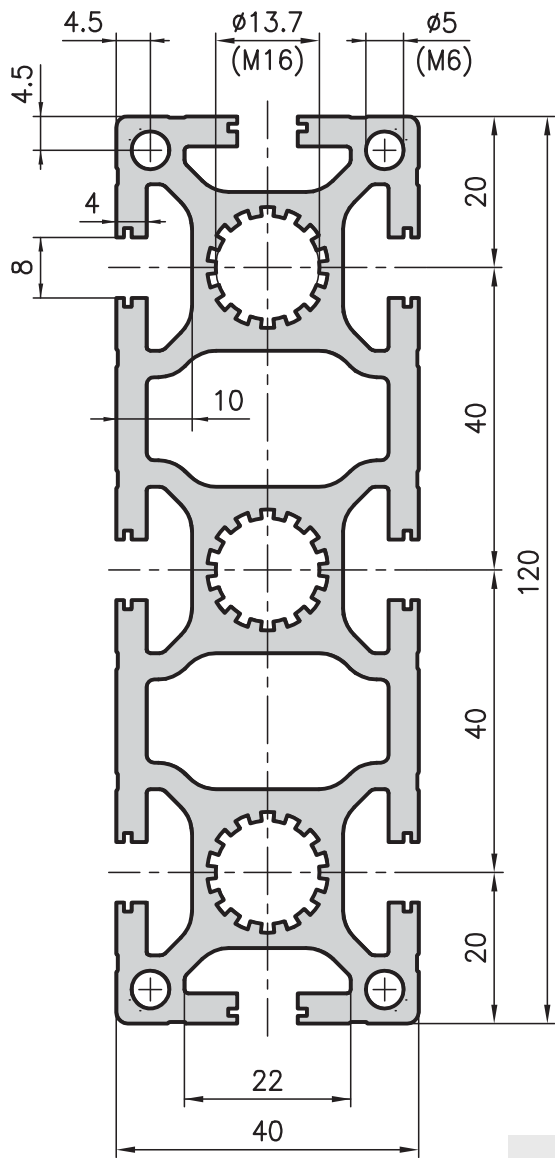
Order number

40x120 light extrusion	
Standard length 5000 mm	C03-9-00/5000
40x120 light extrusion	
Cut to length	C03-9-02-02/...
Extra machining	Pages 55-59

40x120 light extrusion type C03-9

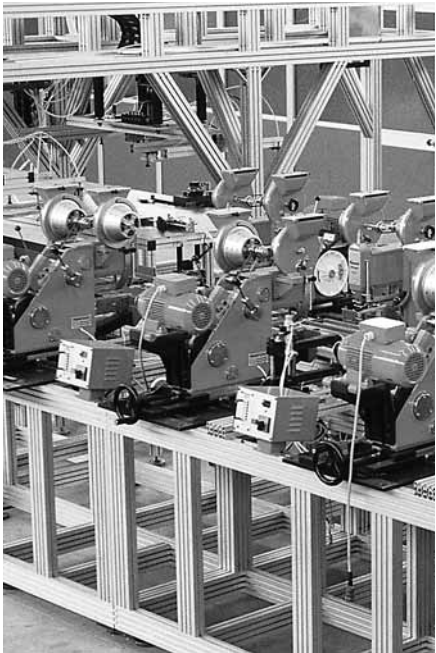


40x120 beam extrusion
type C01-9



Application

The C01-9 extrusion has the same properties as the MA1-3 bearing extrusion (50x150), with slightly lower load-bearing capability.



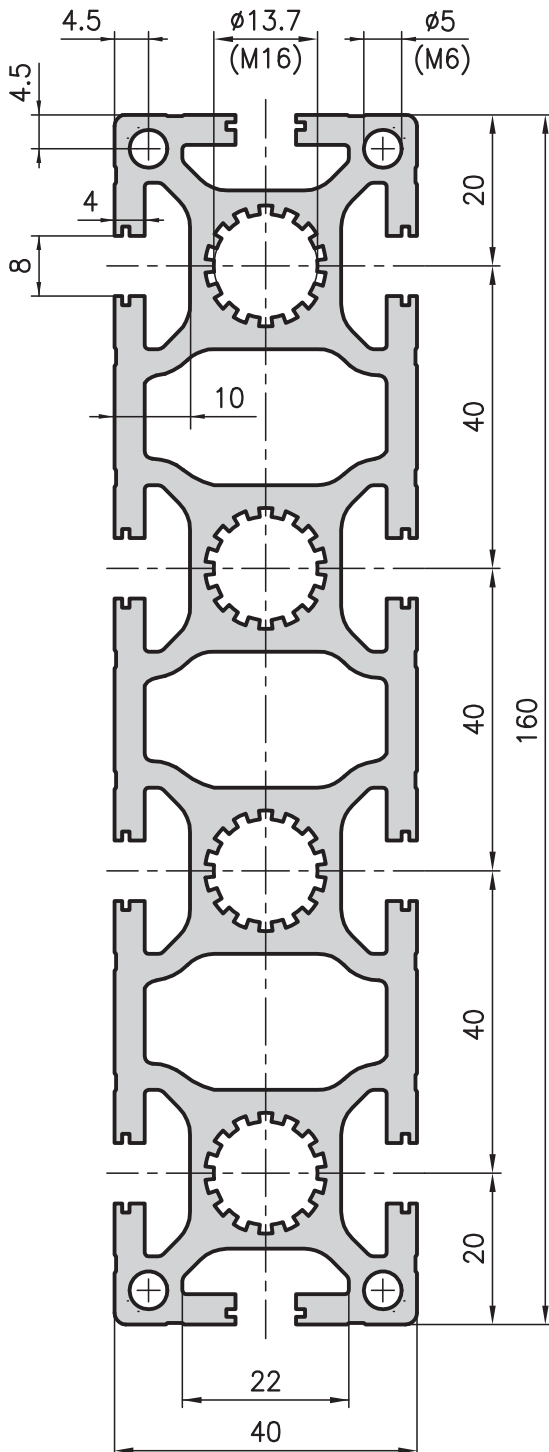
Technical data

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

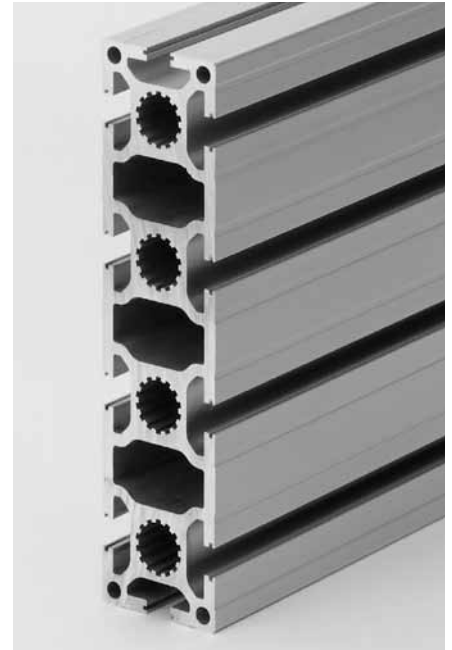
40x120 bearing extrusion	
Standard length 5000 mm	C01-9-00/5000
Standard length 6000 mm	C01-9-01/6000
40x120 bearing extrusion	
Cut to length	C01-9-02-02/...
Extra machining	Pages 55-59

40x160 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

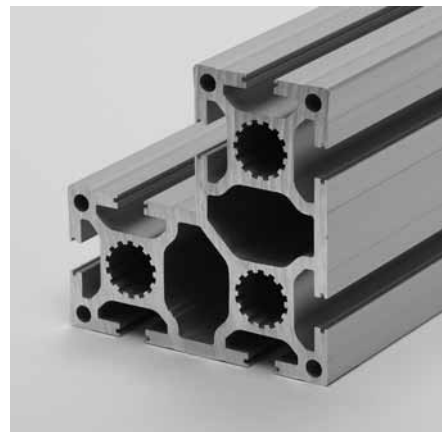
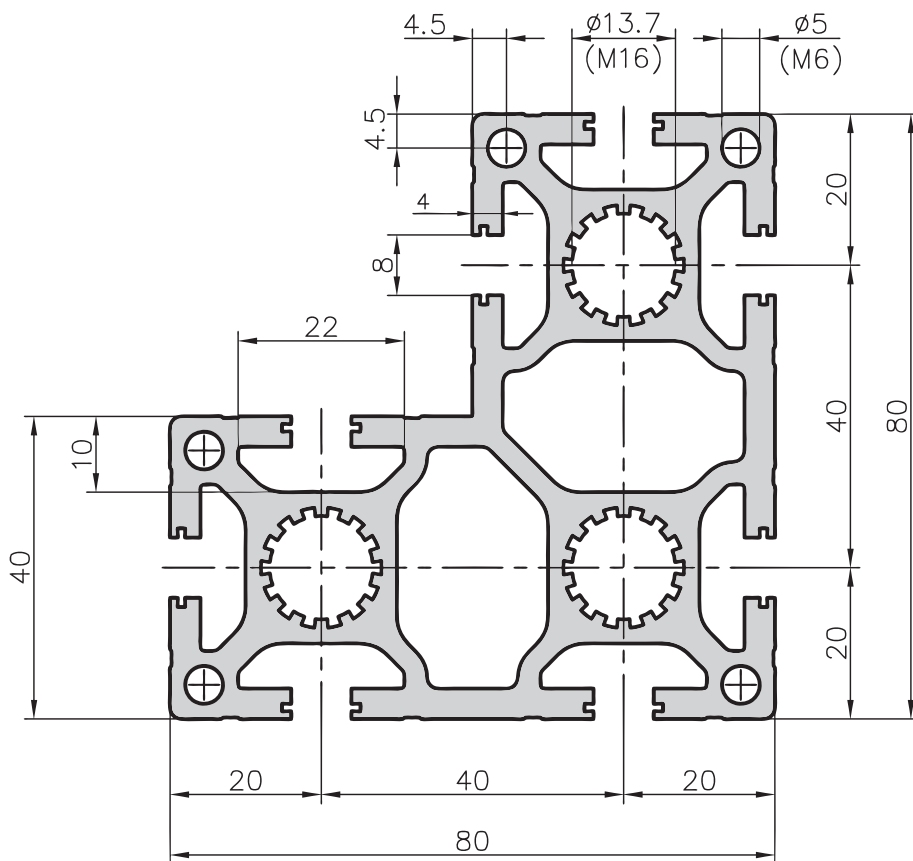
I _x	=	592.79 cm ⁴
I _y	=	44.36 cm ⁴
W _x	=	74.09 cm ³
W _y	=	22.18 cm ³
Cross-section area	=	25.83 cm ²
Weight	=	7.0 kg/m

Order data

Order number

40x160 bearing extrusion	
Standard length 5000 mm	C02-9-00/5000
Standard length 6000 mm	C02-9-01/6000
40x160 bearing extrusion	
Cut to length	C02-9-02-02/...
Extra machining	Pages 55-59

80x80x40 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

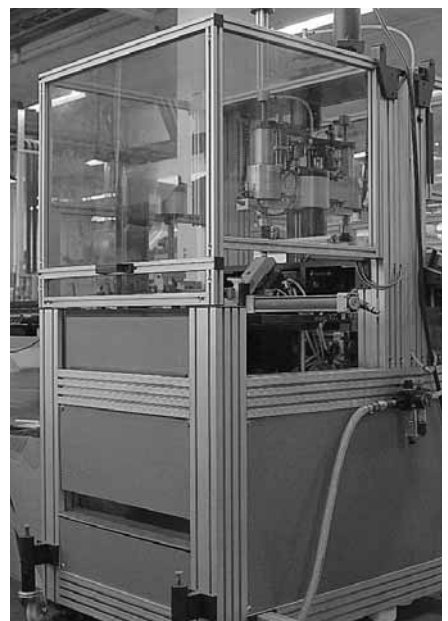
Application

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

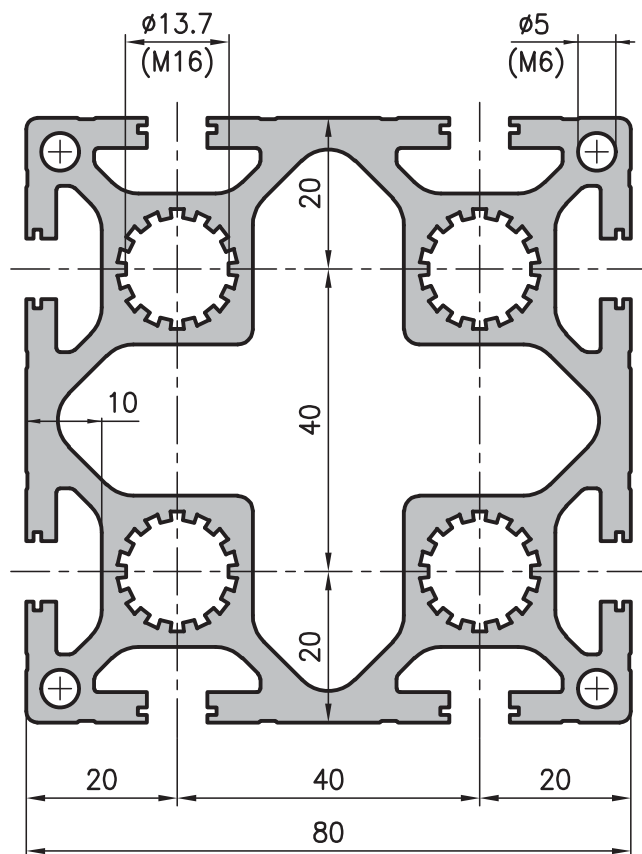
Order data

Order number

80x80x40 angle extrusion	
Standard length 5000 mm	C01-6-00/5000
80x80x40 angle extrusion	
Cut to length	C01-6-02-02/...
Extra machining	Pages 55-59



80x80 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. Especially C01-4 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

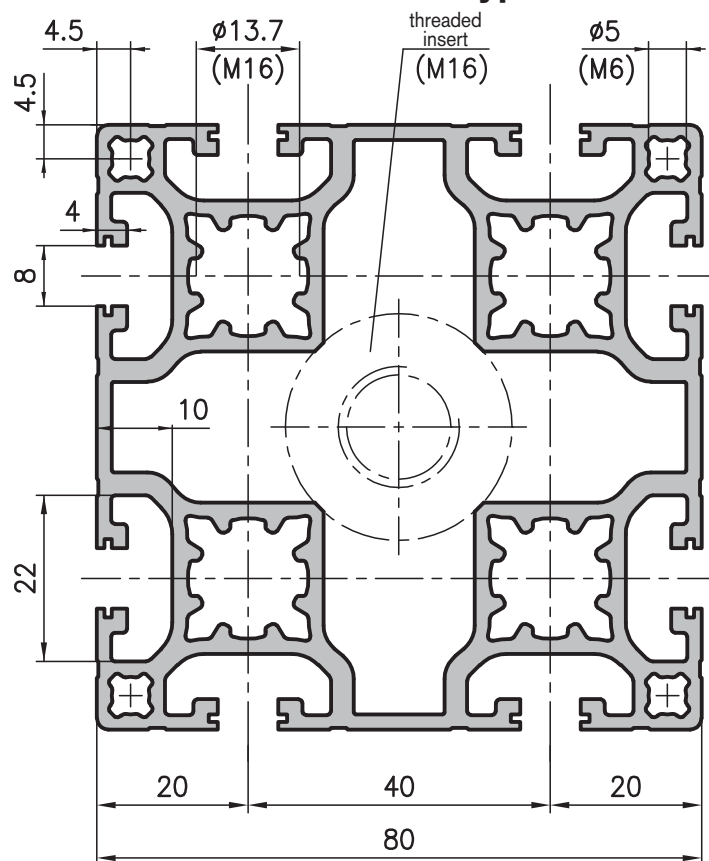
$I_{x,y}$	=	154.70 cm ⁴
$W_{x,y}$	=	38.68 cm ³
Cross-section area	=	22.10 cm ²
Weight	=	6.0 kg/m

Order data

Order number

80x80 base extrusion	
Standard length 5000 mm	C01-4-00/5000
Standard length 6000 mm	C01-4-01/6000
80x80 base extrusion	
Cut to length	C01-4-02-02/...
Extra machining	Pages 55-59

80x80 lightweight extrusion type C03-4



Technical data

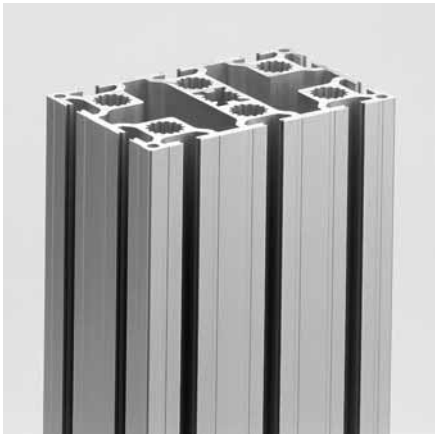
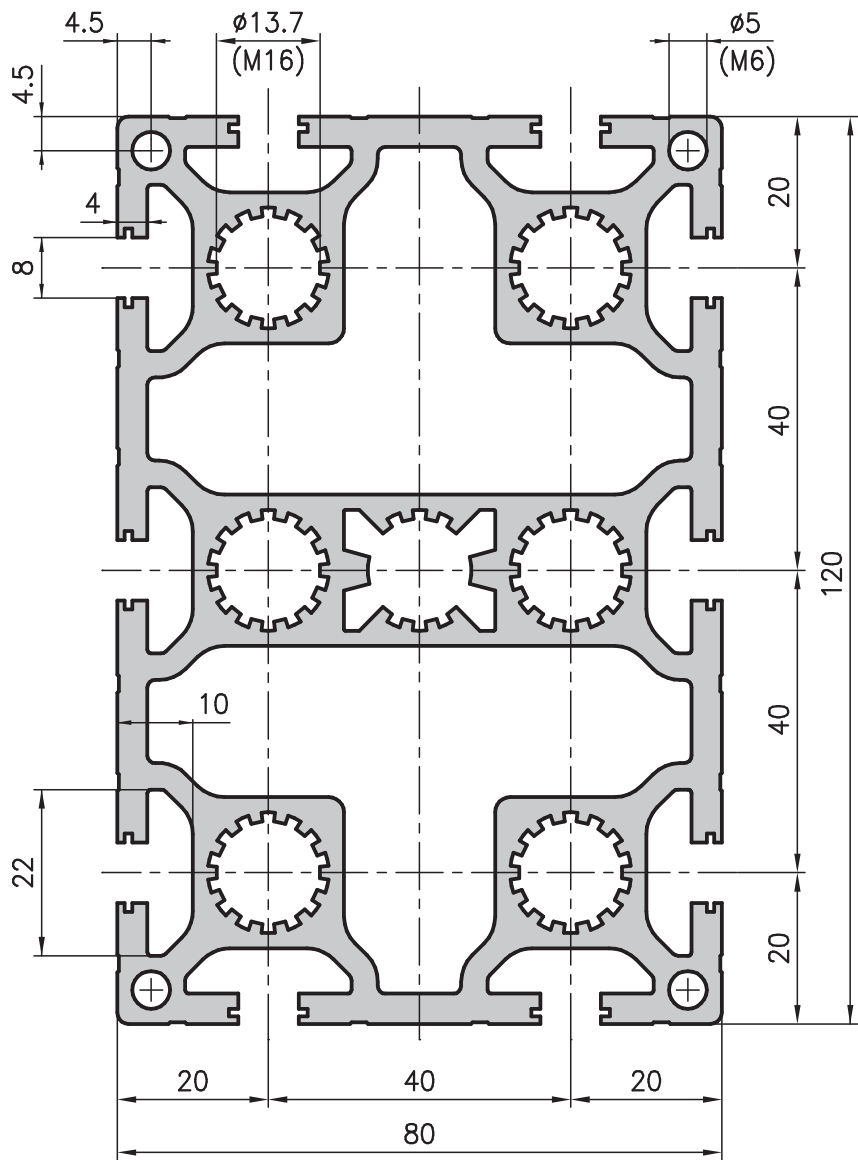
$I_{x,y}$	=	115.66 cm ⁴
$W_{x,y}$	=	28.92 cm ³
Cross-section area	=	16.30 cm ²
Weight	=	4.4 kg/m

Order data

Order number

Lightweight extrusion 80x80	
Standard length 5000 mm	C03-4-00/5000
Standard length 6000 mm	C03-4-01/6000
Lightweight extrusion 80x80	
Cut to length	C03-4-02-02/...
Extra machining	Pages 55-59

Beam extrusion
80x120 type MC1-2



Application

A universally useful extrusion with optimum static strength for large gantries and constructions under heavy load.

Technical data

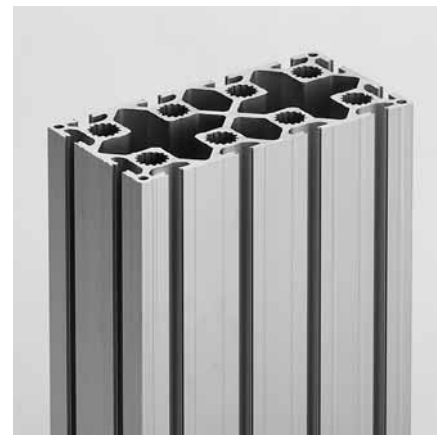
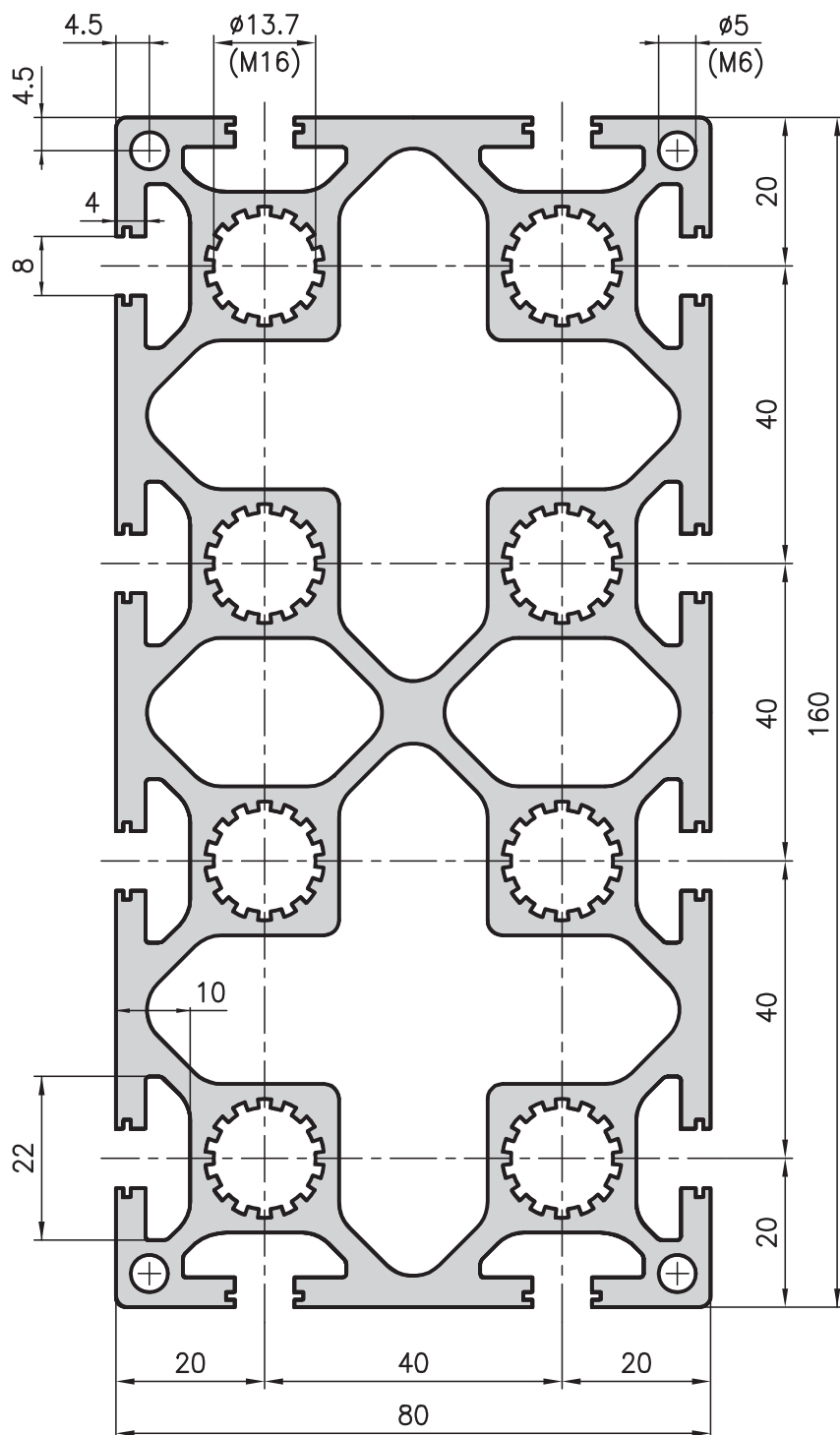
I_x	=	451.20 cm ⁴
I_y	=	219.76 cm ⁴
W_x	=	75.20 cm ³
W_y	=	54.94 cm ³
Cross-section area	=	31.07 cm ²
Weight	=	8.40 kg/m

Order data

Order number

Beam extrusion 80x120	
Standard length 6000 mm	MC1-2-01/6000
Beam extrusion 80x120	
Cut to length	MC1-2-02-02/...
Extra machining	Pages 55-59

80x160 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

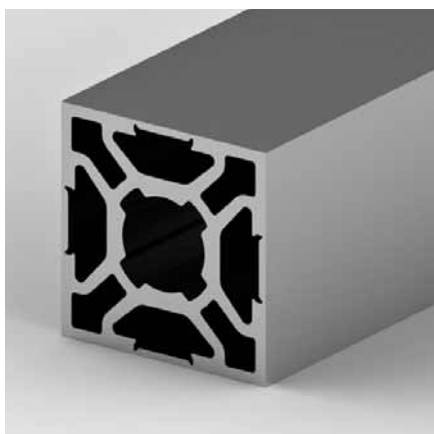
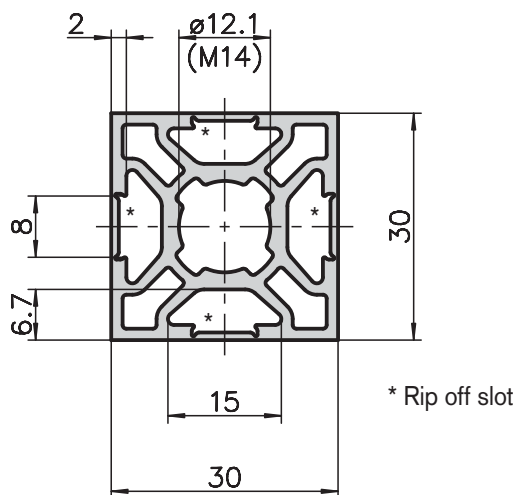
Order number

80x160 heavy duty extrusion	
Standard length 5000 mm	MC1-9-00/5000
Standard length 6000 mm	MC1-9-01/6000

80x160 heavy duty extrusion	
Cut to length	MC1-9-02-02/...

Extra machining	Pages 55-59
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Four sided softline extrusion 30x30 type B10-0



Technical data

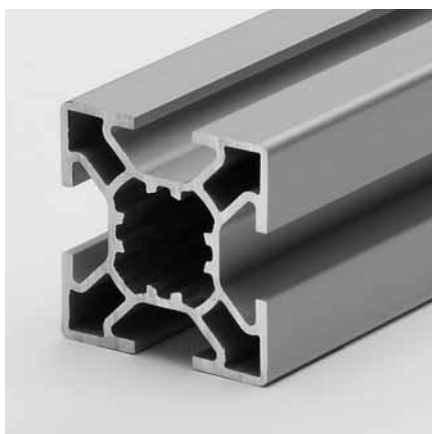
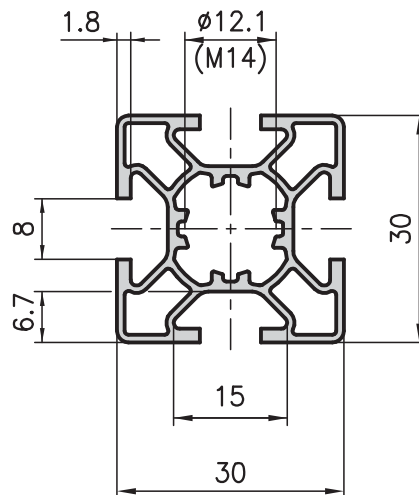
$I_{x,y}$	=	3.30 cm ⁴
$W_{x,y}$	=	2.20 cm ³
Cross-section area	=	3.57 cm ²
Weight	=	0.96 kg/m

Order data

Order number

Four sided softline extrusion 30x30	
Standard length 5000 mm	B10-0-00/5000
Four sided softline extrusion 30x30	
Cut to length	B10-0-02-02/...
Extra machining	Pages 55-59

Super lightweight extrusion 30x30 type B03-1



Application

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

Technical data

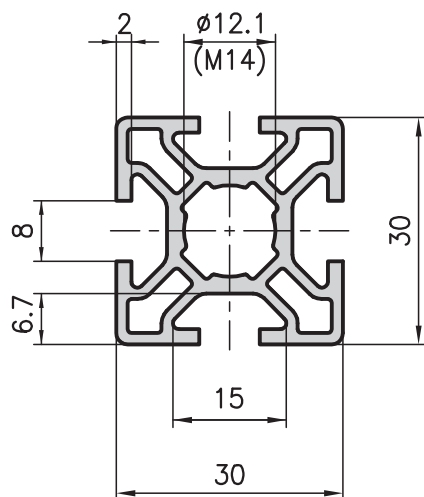
$I_{x,y}$	=	2.63 cm ⁴
$W_{x,y}$	=	1.76 cm ³
Cross-section area	=	2.62 cm ²
Weight	=	0.7 kg/m

Order data

Order number

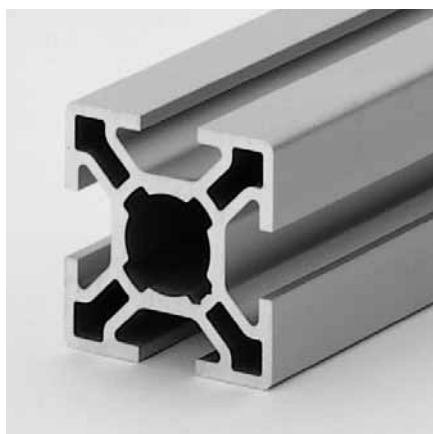
Super lightweight extrusion 30x30	
Standard length 5000 mm	B03-1-00/5000
Super lightweight extrusion 30x30	
Cut to length	B03-1-02-02/...
Extra machining	Pages 55-59

Lightweight extrusion 30x30 type B02-1



Application

With slots on all sides, this universally used lightweight extrusion is optimally constructed with regard to weight and strength. For lightweight enclosures and other small constructions, this is an inexpensive and sturdy extrusion.



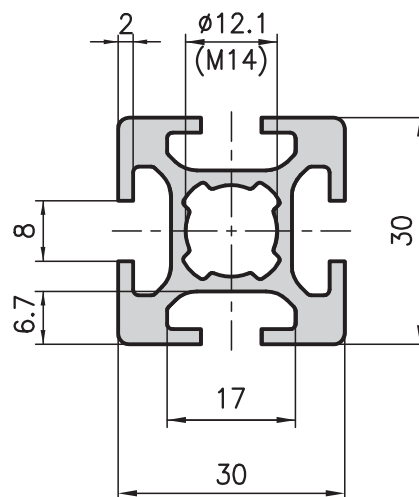
Technical data

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

Order data Order number

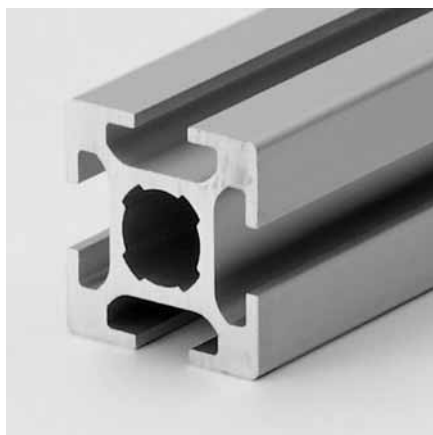
Lightweight extrusion 30x30	
Standard length 5000 mm	B02-1-00/5000
Lightweight extrusion 30x30	
Cut to length	B02-1-02-02/...
Extra machining	Pages 55-59

Heavy duty extrusion 30x30 type MB1-1



Application

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



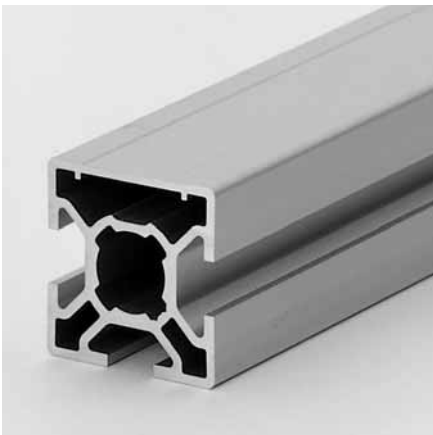
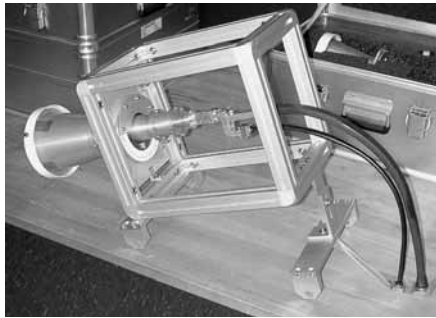
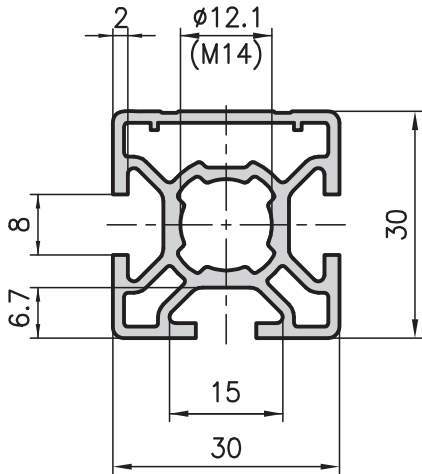
Technical data

$I_{x,y}$	=	3.82 cm ⁴
$W_{x,y}$	=	2.54 cm ³
Cross-section area	=	4.10 cm ²
Weight	=	1.1 kg/m

Order data Order number

Heavy duty extrusion 30x30	
Standard length 5000 mm	MB1-1-00/5000
Heavy duty extrusion 30x30	
Cut to length	MB1-1-02-02/...
Extra machining	Pages 55-59

30x30 face extrusion
type B03-2



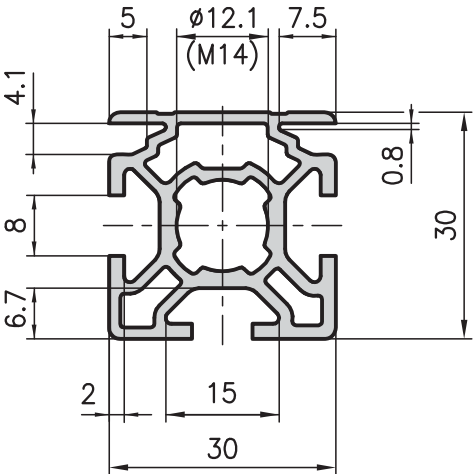
Technical data

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

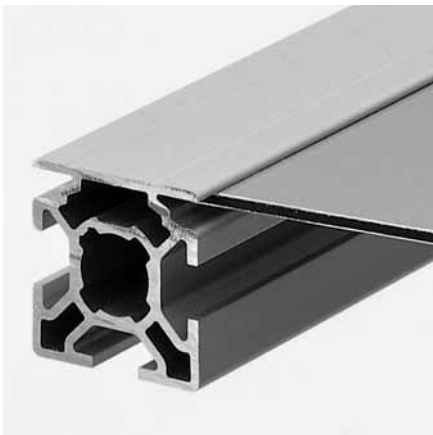
Order data Order number

30x30 face extrusion	
Standard length 5000 mm	B03-2-00/5000
30x30 face extrusion	
Cut to length	B03-2-02-02/...
Extra machining	Pages 55-59

30x30 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.



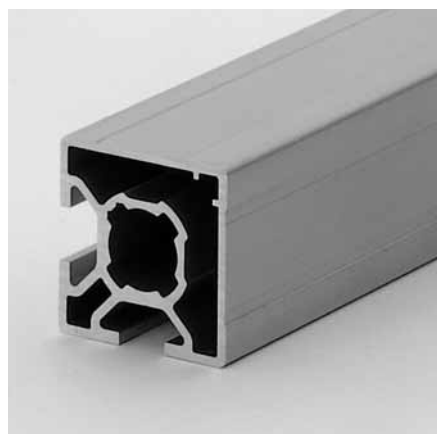
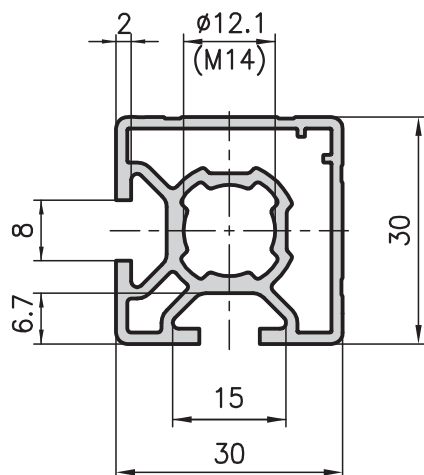
Technical data

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

30x30 face enclosure extrusion	
Standard length 5000 mm	B02-2-00/5000
30x30 face enclosure extrusion	
Cut to length	B02-2-02-02/...
Extra machining	Pages 55-59

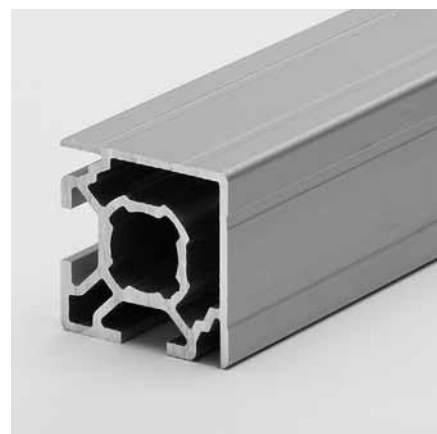
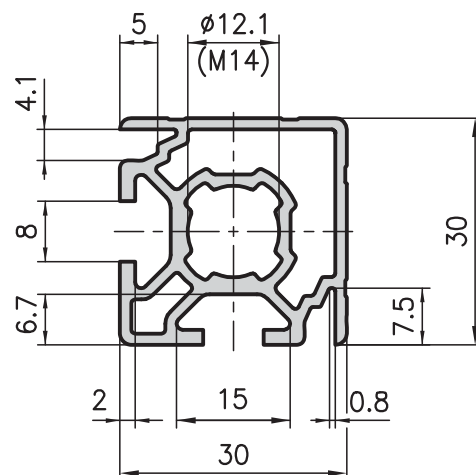
30x30 corner extrusion type B02-3



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.

30x30 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

30x30 corner extrusion	
Standard length 5000 mm	B02-3-00/5000
30x30 corner extrusion	
Cut to length	B02-3-02-02/...
Extra machining	Pages 55-59



Technical data

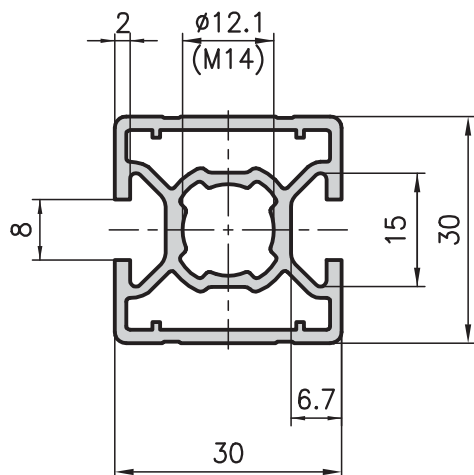
$I_{x,y}$	=	2.70 cm ⁴
$W_{x,y}$	=	1.75 cm ³
Cross-section area	=	2.98 cm ²
Weight	=	0.8 kg/m

Order data

Order number

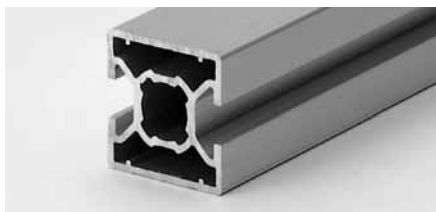
30x30 corner enclosure extrusion	
Standard length 5000 mm	B01-3-00/5000
30x30 corner enclosure extrusion	
Cut to length	B01-3-02-02/...
Extra machining	Pages 55-59

30x30 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

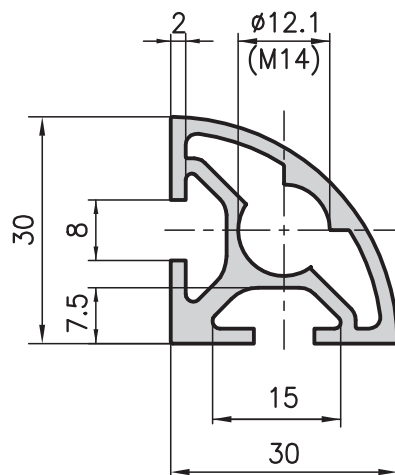
I_x	=	2.73 cm ⁴
I_y	=	2.74 cm ⁴
W_x	=	1.82 cm ³
W_y	=	1.83 cm ³
Cross-section area	=	2.91 cm ²
Weight	=	0.8 kg/m

Order data

Order number

30x30 double face extrusion	
Standard length 5000 mm	B02-4-00/5000
30x30 double face extrusion	
Cut to length	B02-4-02-02/...
Extra machining	Pages 55-59

30x30 softline extrusion type B01-8



Application

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



Technical data

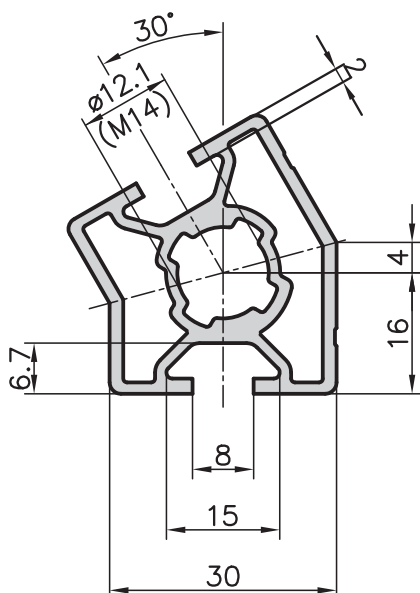
$I_{x,y}$	=	2.57 cm ⁴
$W_{x,y}$	=	2.02 cm ³
Cross-section area	=	2.91 cm ²
Weight	=	0.8 kg/m

Order data

Order number

30x30 softline extrusion	
Standard length 5000 mm	B01-8-00/5000
30x30 softline extrusion	
Cut to length	B01-8-02-02/...
Extra machining	Pages 55-59

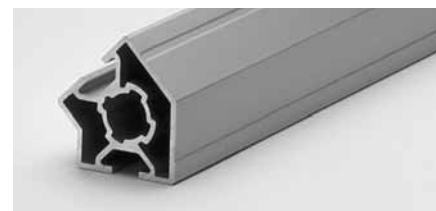
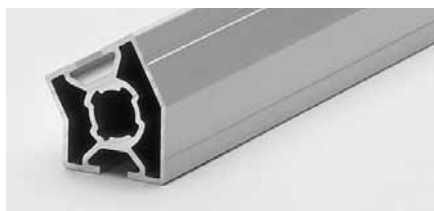
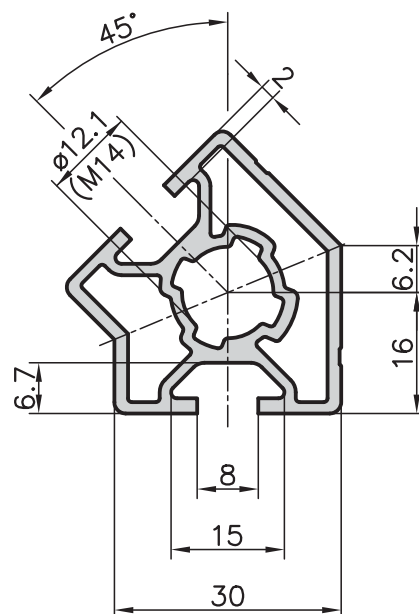
Corner extrusion 30° type B04-3



Application

For stands, tables, safety guards or display cabinets with sloping surfaces or for any angled construction. This group of extrusions ensures elegant shapes.

Corner extrusion 45° type B04-4



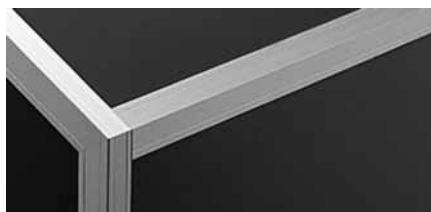
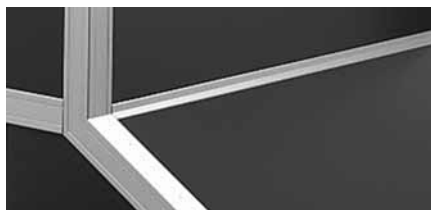
Technical data

I_x	=	3.23 cm ⁴
I_y	=	2.89 cm ⁴
W_x	=	1.54 cm ³
W_y	=	1.48 cm ³
Cross-section area	=	3.13 cm ²
Weight	=	0.9 kg/m

Order data

Order number

Corner extrusion 30°	
Standard length 5000 mm	B04-3-00/5000
Corner extrusion 30°	
Cut to length	B04-3-02-02/...
Extra machining	Pages 55-59



Technical data

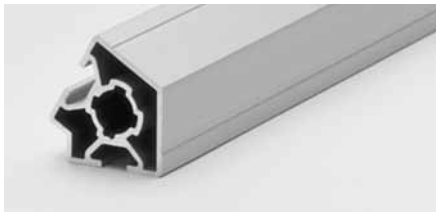
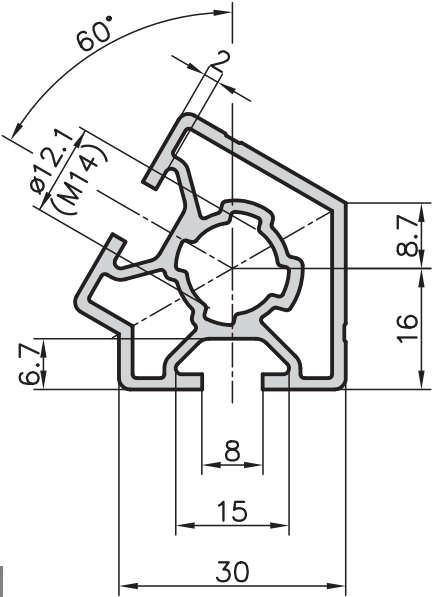
I_x	=	3.14 cm ⁴
I_y	=	2.91 cm ⁴
W_x	=	1.44 cm ³
W_y	=	1.45 cm ³
Cross-section area	=	3.13 cm ²
Weight	=	0.9 kg/m

Order data

Order number

Corner extrusion 45°	
Standard length 5000 mm	B04-4-00/5000
Corner extrusion 45°	
Cut to length	B04-4-02-02/...
Extra machining	Pages 55-59

Corner extrusion 60°
type B04-6



Technical data

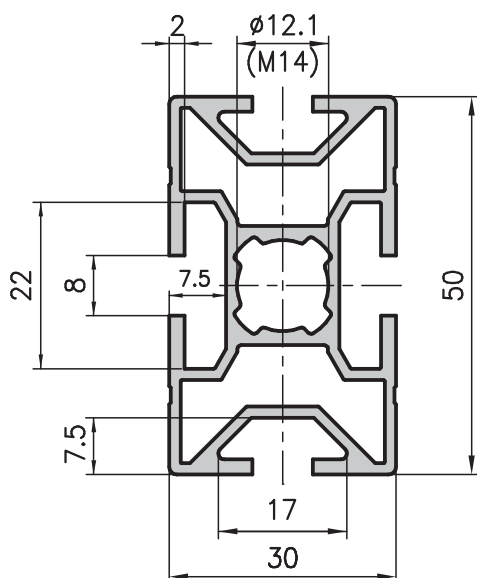
I_x	=	3.07 cm ⁴
I_y	=	2.94 cm ⁴
W_x	=	1.45 cm ³
W_y	=	1.51 cm ³
Cross-section area	=	3.04 cm ²
Weight	=	0.9 kg/m

Order data

Order number

Corner extrusion 60°	
Standard length 5000 mm	B04-6-00/5000
Corner extrusion 60°	
Cut to length	B04-6-02-02/...
Extra machining	Pages 55-59

Base extrusion 30x50 type B01-9



Application

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

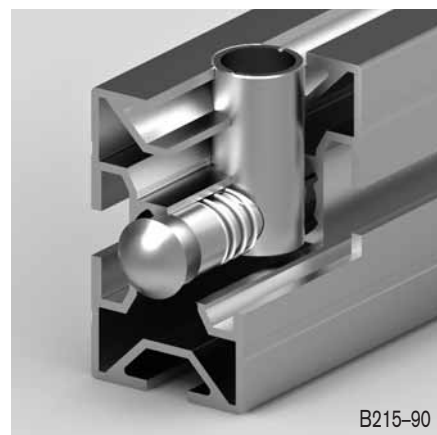
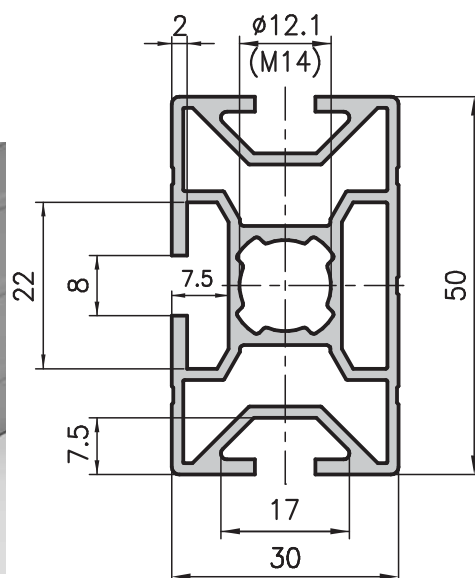


Application

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.

These extrusions need a special barrel if the connector is fitted on the short side (see image). The connectors with the long barrels have the following item numbers:

Face extrusion 30x50 type MB2-9



B215-90

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

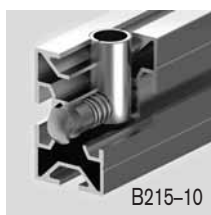
Order number

Base extrusion 30x50	
Standard length 5000 mm	B01-9-00/5000
Base extrusion 30x50	
Cut to length	B01-9-02-02/...
Extra machining	Pages 55-59

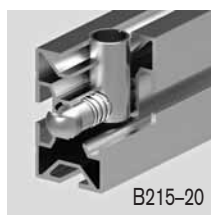
Order data

Order number

Round-headed connector	B215-90
Horizontal-headed connector	B215-10
Vertical-headed connector	B215-20



B215-10



B215-20

Technical data

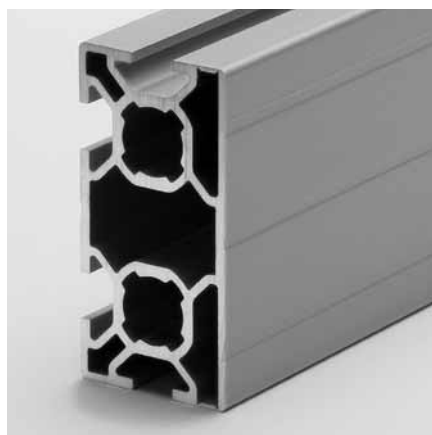
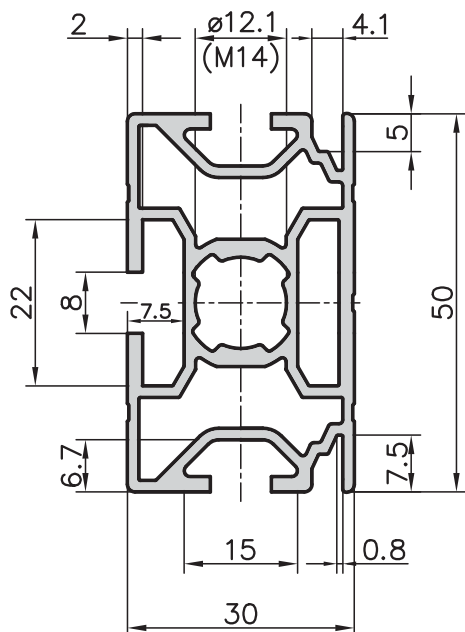
I_x	=	11.30 cm ⁴
I_y	=	4.55 cm ⁴
W_x	=	4.52 cm ³
W_y	=	3.03 cm ³
Cross-section area	=	4.52 cm ²
Weight	=	1.3 kg/m

Order data

Order number

Face extrusion 30x50	
Standard length 5000 mm	MB2-9-00/5000
Face extrusion 30x50	
Cut to length	MB2-9-02-02/...
Extra machining	Pages 55-59

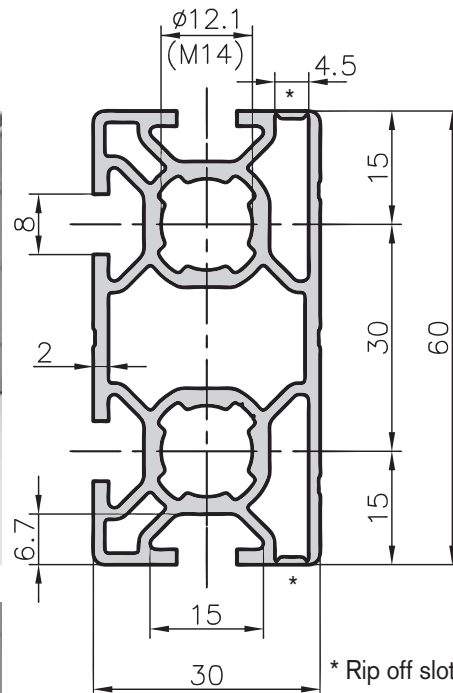
30x50 face extrusion with panel slots type MB1-9



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.

30x60 face extrusion with panel slots type B03-6



Application

With the same function as the extrusion type MB1-9 but with the difference being that the small slots have to be opened if they are required.

Technical data

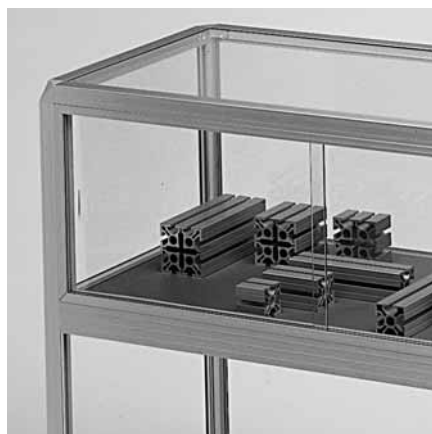
I_x	=	11.25 cm ⁴
I_y	=	4.84 cm ⁴
W_x	=	4.50 cm ³
W_y	=	3.23 cm ³
Cross-section area	=	5.00 cm ²
Weight	=	1.3 kg/m

Order data Order number

30x50 face extrusion with panel slots
Standard length 5000 mm MB1-9-00/5000

30x50 face extrusion with panel slots
Cut to length MB1-9-02-02/...

Extra machining Pages 55-59



Technical data

I_x	=	19.33 cm ⁴
I_y	=	5.43 cm ⁴
W_x	=	6.44 cm ³
W_y	=	3.60 cm ³
Cross-section area	=	5.48 cm ²
Weight	=	1.5 kg/m

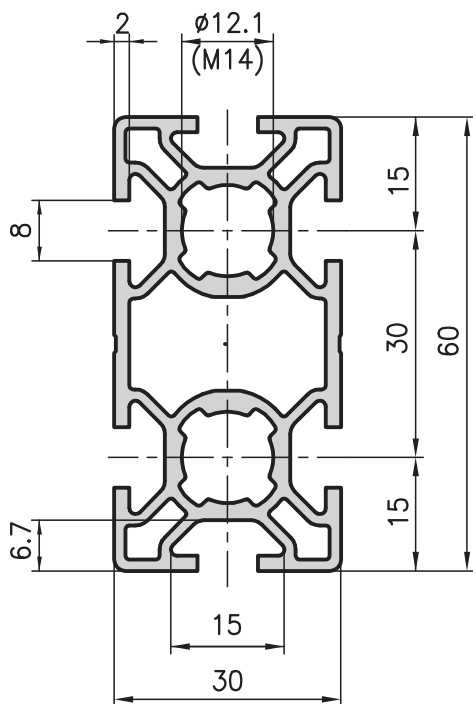
Order data Order number

30x60 face extrusion with panel slots
Standard length 5000 mm B03-6-00/5000

30x60 face extrusion with panel slots
Cut to length B03-6-02-02/...

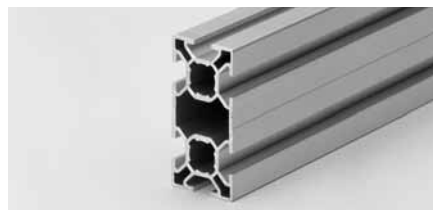
Extra machining Pages 55-59

30x60 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.



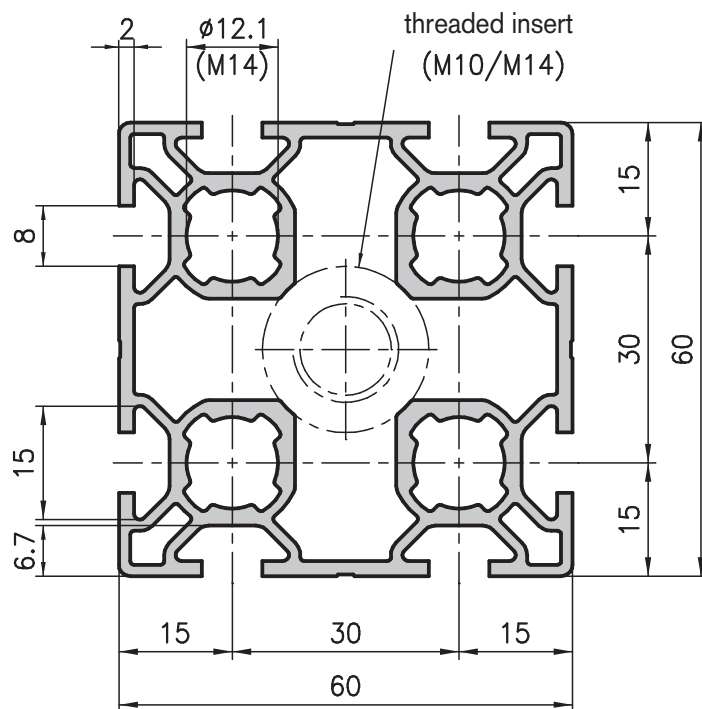
Technical data

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

30x60 base extrusion	
Standard length 5000 mm	B01-6-00/5000
30x60 base extrusion	
Cut to length	B01-6-02-02/...
Extra machining	Pages 55-59

60x60 base extrusion type B02-6



Application

Mainly used as a brace. Levelling feet and castors can be attached using the threaded inserts B33-60 or B33-64.



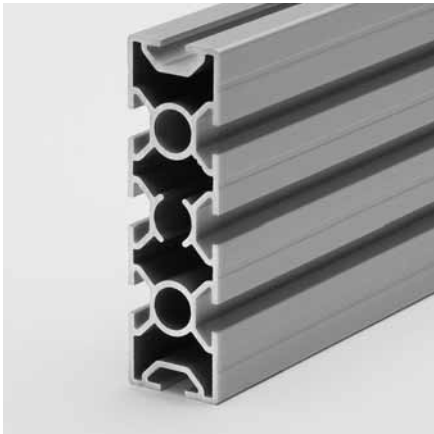
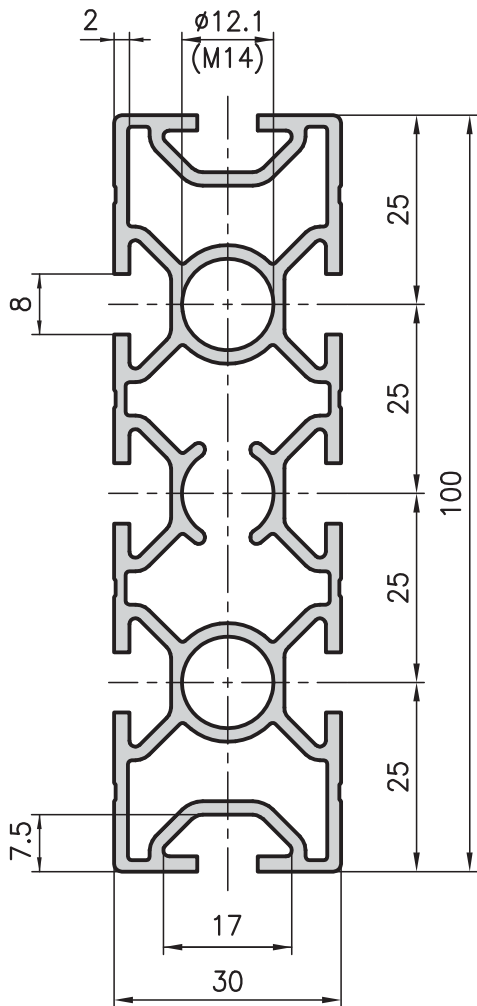
Technical data

$I_{x,y}$	=	35.83 cm ⁴
$W_{x,y}$	=	11.94 cm ³
Cross-section area	=	9.04 cm ²
Weight	=	2.4 kg/m

Order data Order number

60x60 base extrusion	
Standard length 5000 mm	B02-6-00/5000
60x60 base extrusion	
Cut to length	B02-6-02-02/...
Insert M10	B33-60
Insert M14	B33-64
Extra machining	Pages 55-59

30x100 base extrusion
type MB1-2



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 lightweight, sturdy extrusion which can be connected in many different configurations.

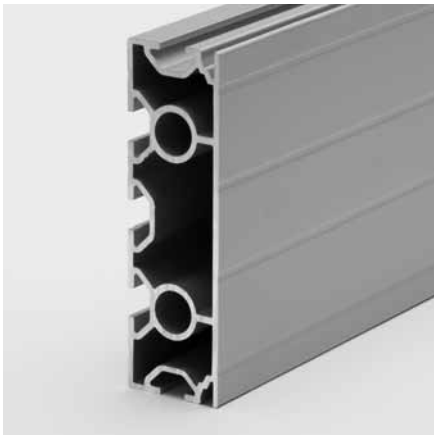
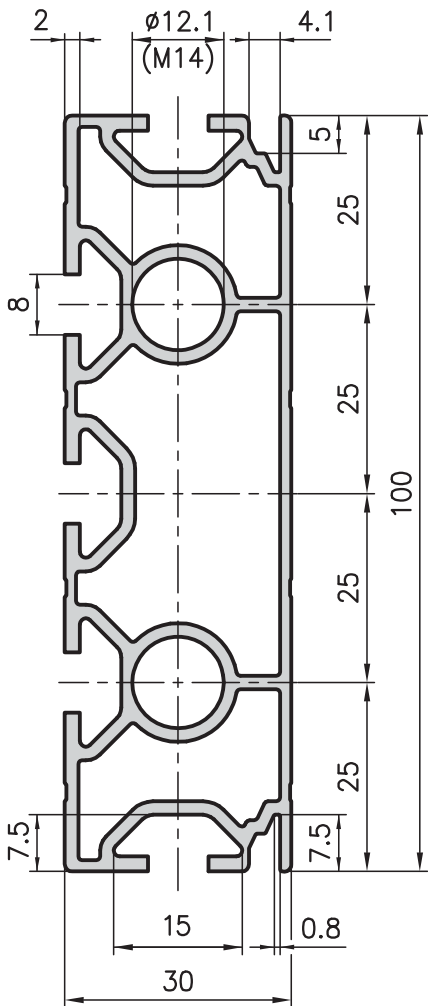
Technical data

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

30x100 base extrusion	
Standard length 5000 mm	MB1-2-00/5000
30x100 base extrusion	
Cut to length	MB1-2-02-02/...
Extra machining	Pages 55-59

30x100 face extrusion
with panel slots type B01-2



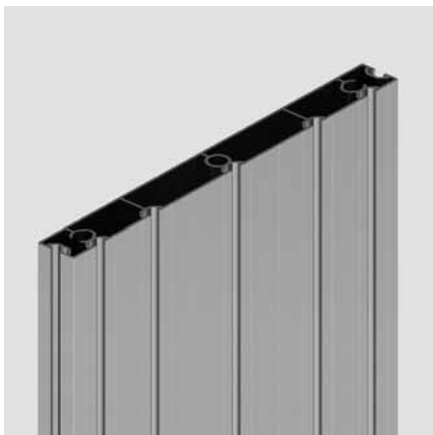
Technical data

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

30x100 face enclosure extrusion	
Standard length 5000 mm	B01-2-00/5000
30x100 face enclosure extrusion	
Cut to length	B01-2-02-02/...
Extra machining	Pages 55-59

30x300 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.

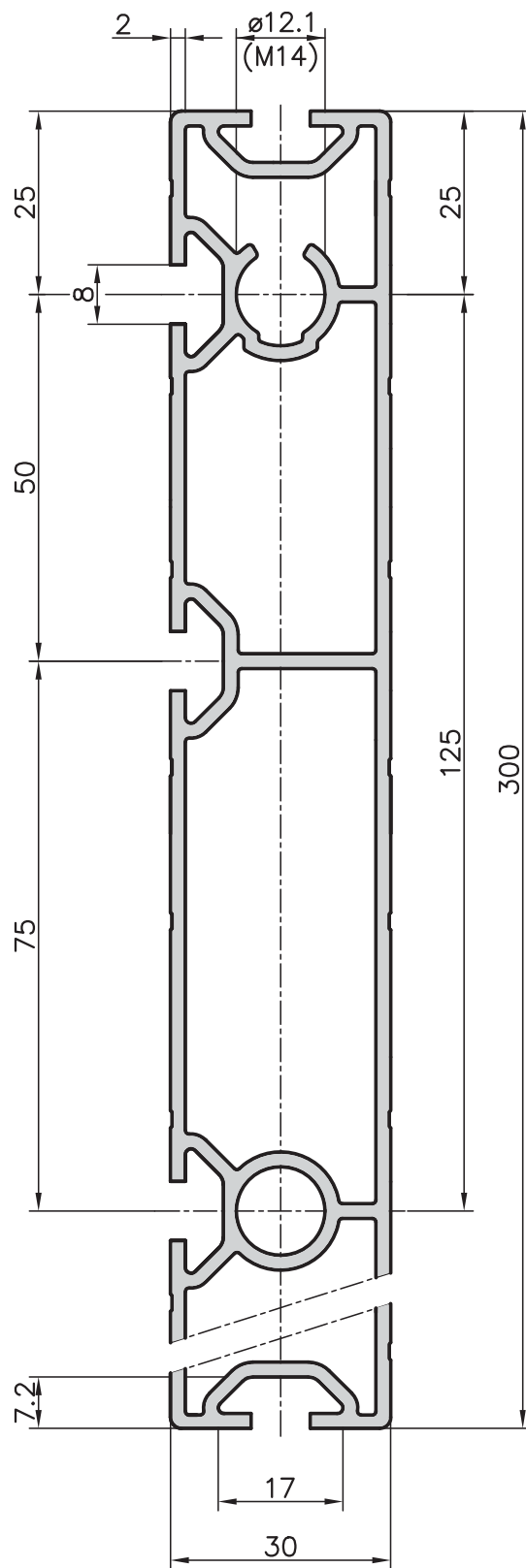
Technical data

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

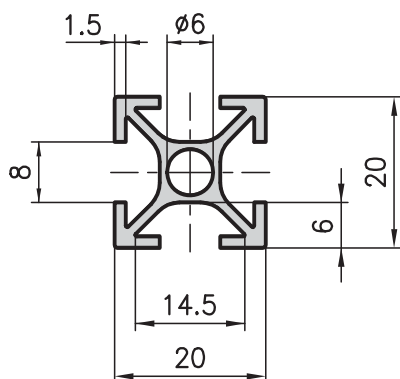
Order data

Order number

30x300 face extrusion	
Standard length 5000 mm	B03-3-00/5000
30x300 face extrusion	
Cut to length	B03-3-02-02/...
Extra machining	Pages 55-59



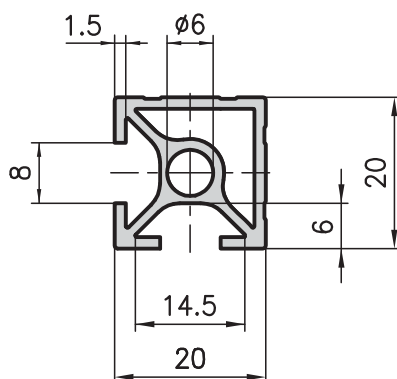
20x20 base extrusion type D01-5



Application

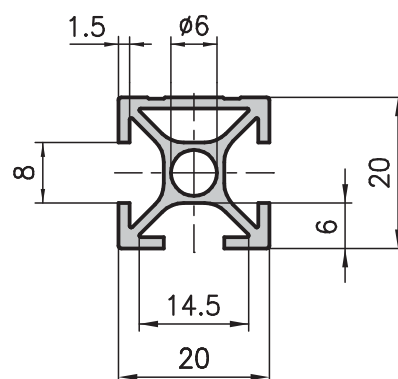
Due to their relatively low weight and strength this 20x20/40 range of extrusions can only be used for small loads, such as limit switches fixtures, smart work frames, small display cases, etc.

20x20 corner extrusion type D01-3

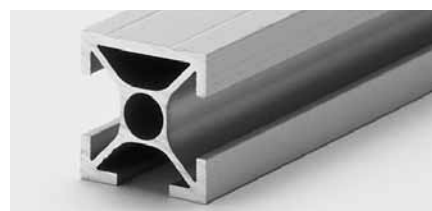
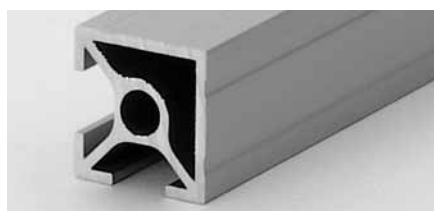
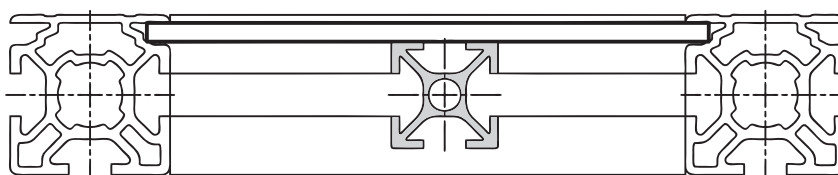


Helicoil inserts (DIN 8140) can be used for all extrusions with a core hole of Ø6
See machining code H3/H4.

20x20 face extrusion type D01-8



The 20x20 and 20x40 extrusions are also suitable as a support or reinforcement extrusion behind panels, which is in combination with the base 30 extrusion with panel slots (see sketch).



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

$I_{x,y}$	=	0.65 cm ⁴
$W_{x,y}$	=	0.65 cm ³
Cross-section area	=	1.54 cm ²
Weight	=	0.42 kg/m

Technical data

I_x	=	0.68 cm ⁴
I_y	=	0.59 cm ⁴
W_x	=	0.68 cm ³
W_y	=	0.59 cm ³
Cross-section area	=	1.46 cm ²
Weight	=	0.39 kg/m

Order data

Order number

20x20 base extrusion	
Standard length 5000 mm	D01-5-00/5000
20x20 base extrusion	
Cut to length	D01-5-02-02/...
Extra machining	Pages 55-59

Order data

Order number

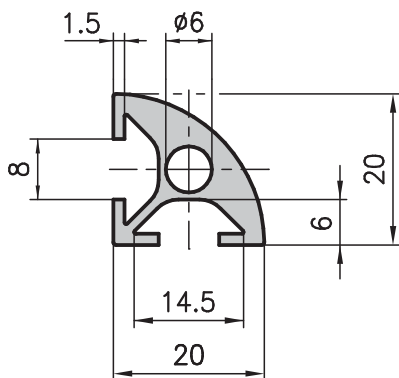
20x20 corner extrusion	
Standard length 5000 mm	D01-3-00/5000
20x20 corner extrusion	
Cut to length	D01-3-02-02/...
Extra machining	Pages 55-59

Order data

Order number

20x20 face extrusion	
Standard length 5000 mm	D01-8-00/5000
20x20 face extrusion	
Cut to length	D01-8-02-02/...
Extra machining	Pages 55-59

20x20 Softline extrusion type D03-8



Application

For small picture frames as well as for decorative application.



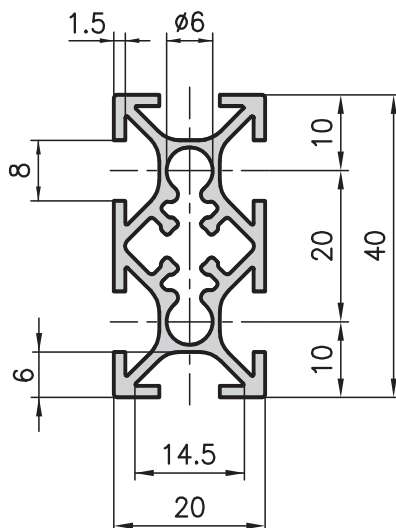
Technical data

$I_{x, y}$	=	0.47 cm ⁴
$W_{x, y}$	=	0.47 cm ³
Cross-section area	=	1.29 cm ²
Weight	=	0.35 kg/m

Order data

20x20 Softline extrusion	
Standard length 5000 mm	D03-8-00/5000
20x20 Softline extrusion	
Cut to length	D03-8-02-02/...
Extra machining	Pages 55-59

20x40 base extrusion type D01-7



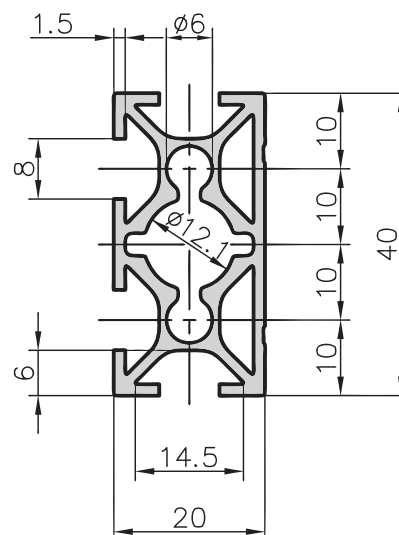
Technical data

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

20x40 base extrusion	
Standard length 5000 mm	D01-7-00/5000
20x40 base extrusion	
Cut to length	D01-7-02-02/...
Extra machining	Pages 55-59

20x40 face extrusion type D02-8



Application

A multi purpose extrusion, which is easily compatible with the base 40. The center hole is Ø12.1 so that the bigger connectors can also be used, making application possibilities even more versatile.

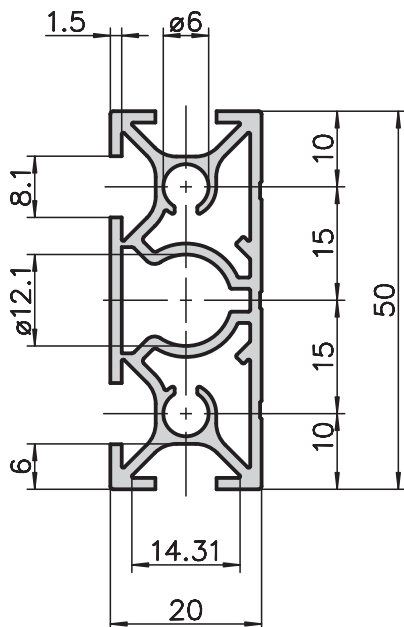
Technical data

I_x	=	4.15 cm ⁴
I_y	=	1.26 cm ⁴
W_x	=	2.07 cm ³
W_y	=	1.18 cm ³
Cross-section area	=	2.79 cm ²
Weight	=	0.75 kg/m

Order data

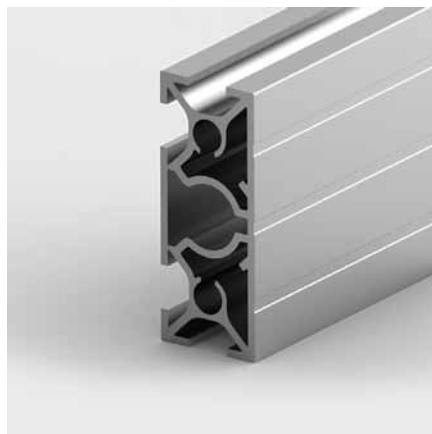
20x40 face extrusion	
Standard length 5000 mm	D02-8-00/5000
20x40 face extrusion	
Cut to length	D02-8-02-02/...
Extra machining	Pages 55-59

Face extrusion 20x50 type D02-5



Application

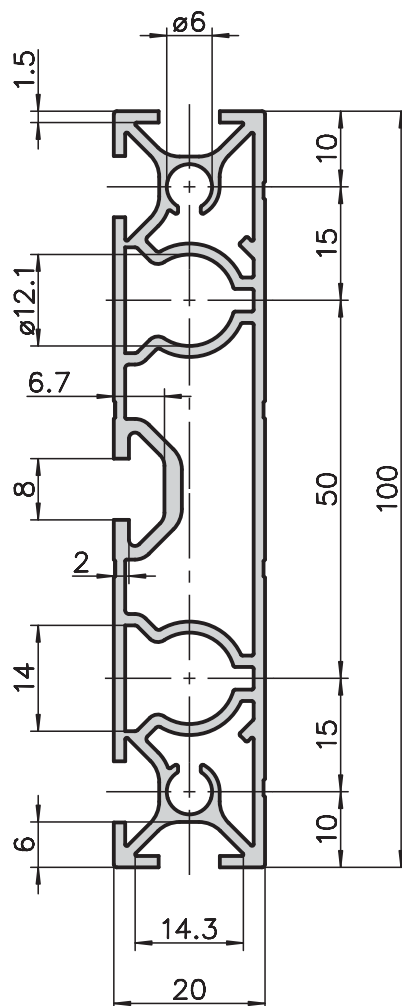
With this combination extrusion 20x50mm, the 20 series extrusion cross-sections can be easily connected to the 50 series ones. The large centre allows a connector of the 20 base with $\varnothing 12.1$ to be fitted



Application

This 20x100mm extrusion is lightweight and nevertheless very sturdy when positioned on its edge. Used in the construction of apparatus racks if closed faces are required. Can also be used as skirting boards along passages.

Face extrusion 20x100 type D02-1



Technical data

I_x	=	55.5 cm ⁴
I_y	=	3.01 cm ⁴
W_x	=	11.1 cm ³
W_y	=	3.01 cm ³
Cross-section area	=	5.7 cm ²
Weight	=	1.55 kg/m

Order data Order number

Face extrusion 20x100	
Standard length 5000 mm	D02-1-00/5000
Face extrusion 20x100	
Cut to length	D02-1-02-02/...
Extra machining	Pages 55-59



Technical data

I_x	=	7.71 cm ⁴
I_y	=	1.58 cm ⁴
W_x	=	3.08 cm ³
W_y	=	1.58 cm ³
Cross-section area	=	3.25 cm ²
Weight	=	0.88 kg/m

Order data Order number

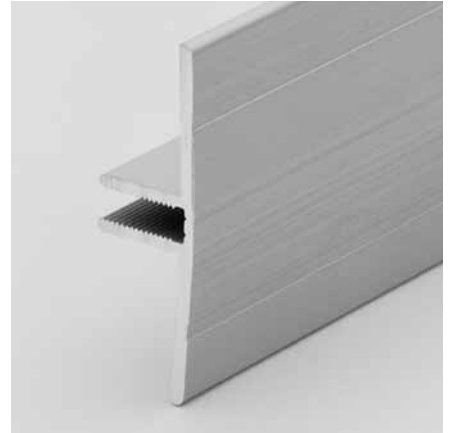
Face extrusion 20x50mm	
Standard length 5000 mm	D02-5-00/5000
Face extrusion 20x50mm	
Cut to length	D02-5-02-02/...
Extra machining	Pages 55-59

Our range also includes special cross-sections for accessories or aluminium extrusions for construction kits. From slot extrusions to angle extrusions and 19" extrusions, we can provide rods or blank cuts.

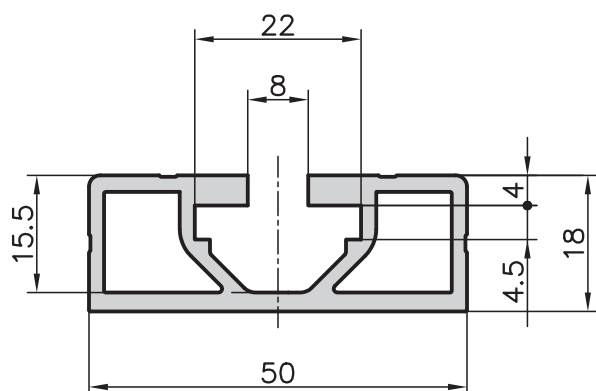
These special cross-sections are illustrated on the following pages along with the measurement data.

Some of these extrusions are stocked as raw since we finish them ourselves into accessories and they are only anodised afterwards.

If requested by the customer, we also produce special accessories from our extrusions.



Wall rail 18x50 type A19-9

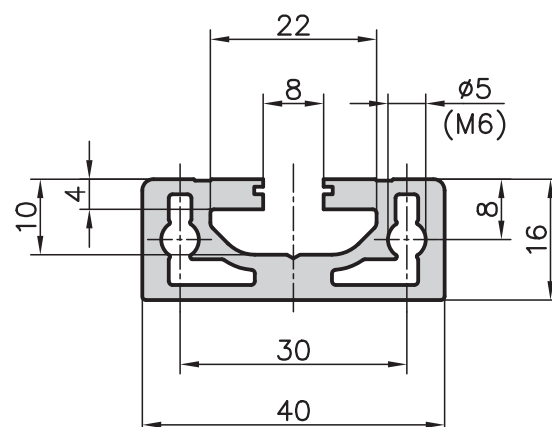


Application

This is a very slim extrusion. When screwed to walls, it provides an easy method of fixing adjustable shelves.



Slot extrusion 16x40 type C08-1



Application

A robust rail with the slot geometry of the 40 base. The slot base is solid in order to accommodate the thread holes. When fixed to walls with dowels, height adjustable shelves can be very easily attached to this extrusion rail.

Technical data

Cross-section area	=	3.47 cm ²
Weight	=	0.9 kg/m

Order data

Order number

Wall rail 18x50	
Standard length 5000 mm	A19-9-00/5000
Wall rail 18x50	
Cut to length	A19-9-02-02/...



Technical data

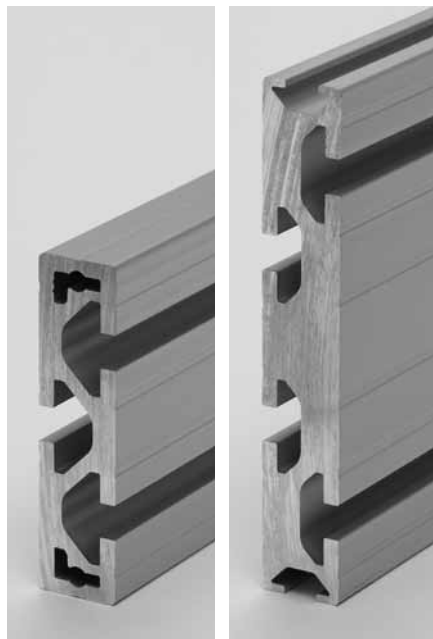
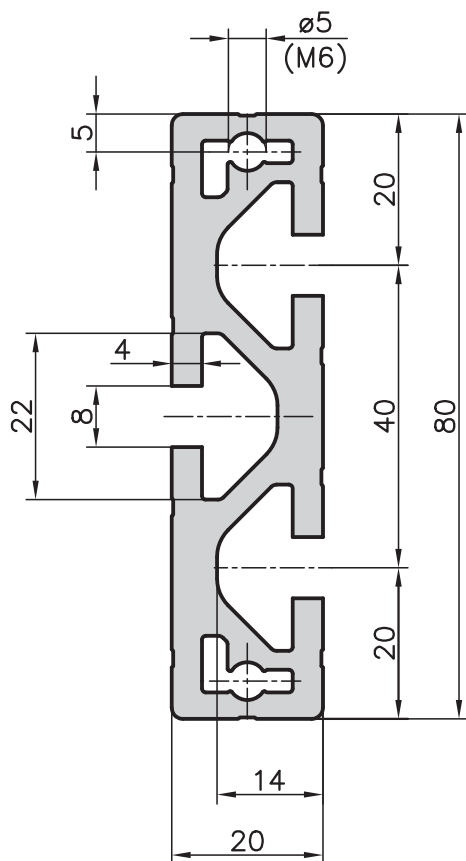
Cross-section area	=	3.55 cm ²
Weight	=	1.0 kg/m

Order data

Order number

Slot extrusion 16x40	
Standard length 5000 mm	C08-1-00/5000
Slot extrusion 16x40	
Cut to length	C08-1-02-02/...

20x80 slot extrusion type C08-2



Application

These slot extrusions are very versatile and can be used as a floor or adapter-plate, for heavy duty guidance, distance-holder as well as for fixing plates, etc.

Technical data

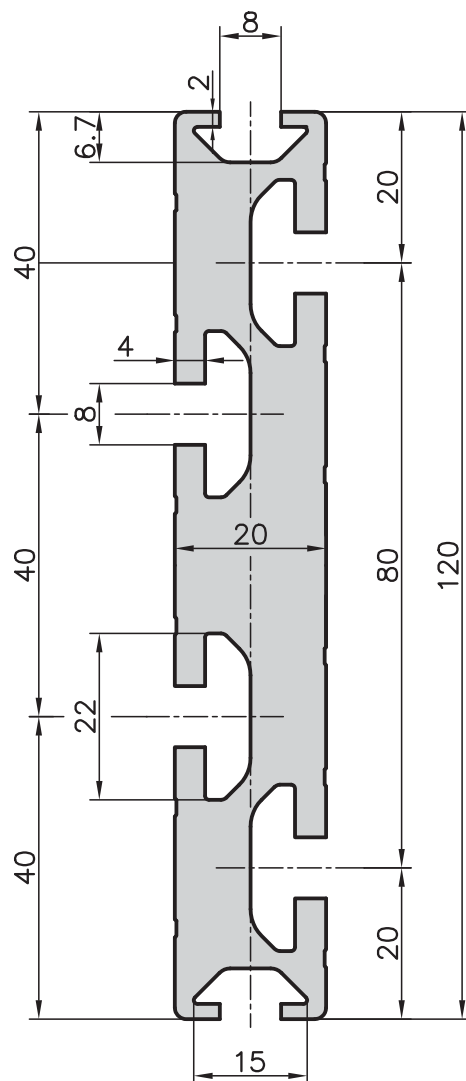
I_x	=	54.49 cm ⁴
I_y	=	3.97 cm ⁴
W_x	=	13.62 cm ³
W_y	=	3.97 cm ³
Cross-section area	=	8.90 cm ²
Weight	=	2.4 kg/m

Order data Order number

20x80 slot extrusion	
Standard length 5000 mm	C08-2-00/5000
20x80 slot extrusion	
Cut to length	C08-2-02-02/...



20x120 slot extrusion type C08-3



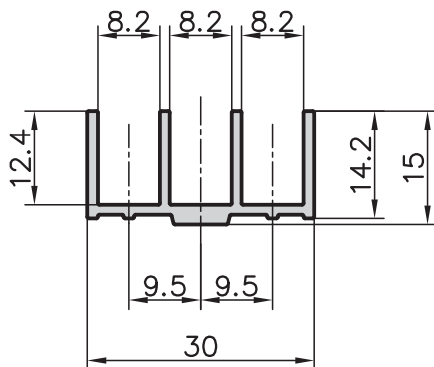
Technical data

I_x	=	177.95 cm ⁴
I_y	=	6.31 cm ⁴
W_x	=	29.66 cm ³
W_y	=	6.31 cm ³
Cross-section area	=	16.40 cm ²
Weight	=	4.42 kg/m

Order data Order number

20x120 slot extrusion	
Standard length 5000 mm	C08-3-00/5000
20x120 slot extrusion	
Cut to length	C08-3-02-02/...

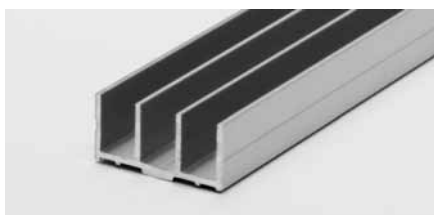
30x15 triple channel extrusion type B05-1



Application

A screw-on extrusion which is ideal for inserting panels, glazing and sliding doors, or any application requiring an attractive finish with functional reliability. The triple channel extrusion can slide onto standard extrusions with the base 30 mm.

The plastic extrusions B39-55 and B39-35 can be used to improve the sliding properties, to reduce the size of the slots or as clip-on covers.

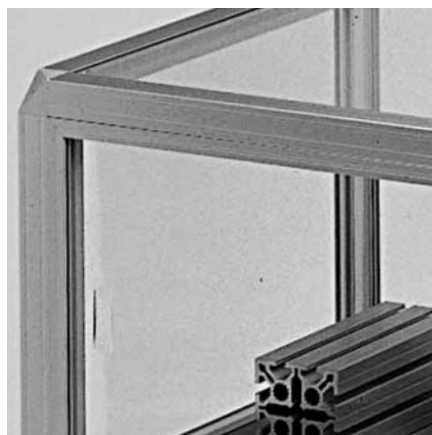
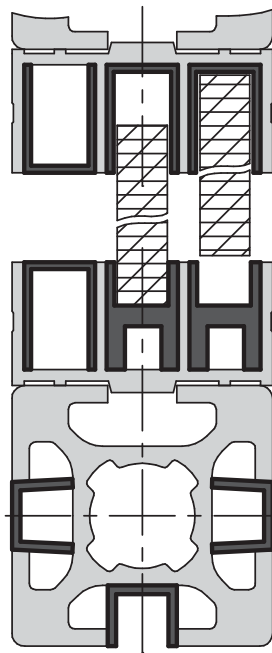


Technical data

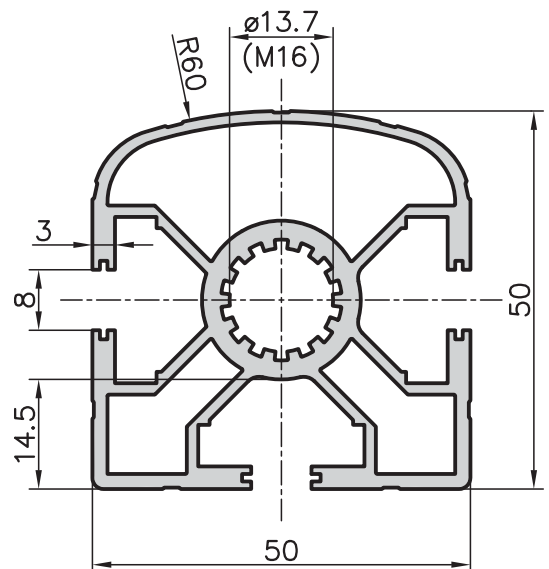
Cross-section area = 1.18 cm²
Weight = 0.32 kg/m

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

30x15 triple channel extrusion	
Standard length 5000 mm	B05-1-00/5000
30x15 triple channel extrusion	
Cut to length	B05-1-02-02/...



50x50 hand rail extrusion type A19-1



Application

Hand rail extrusion for staircase railings or fence tops.

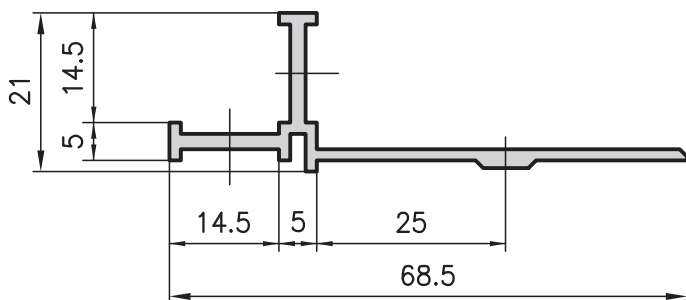
Technical data

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

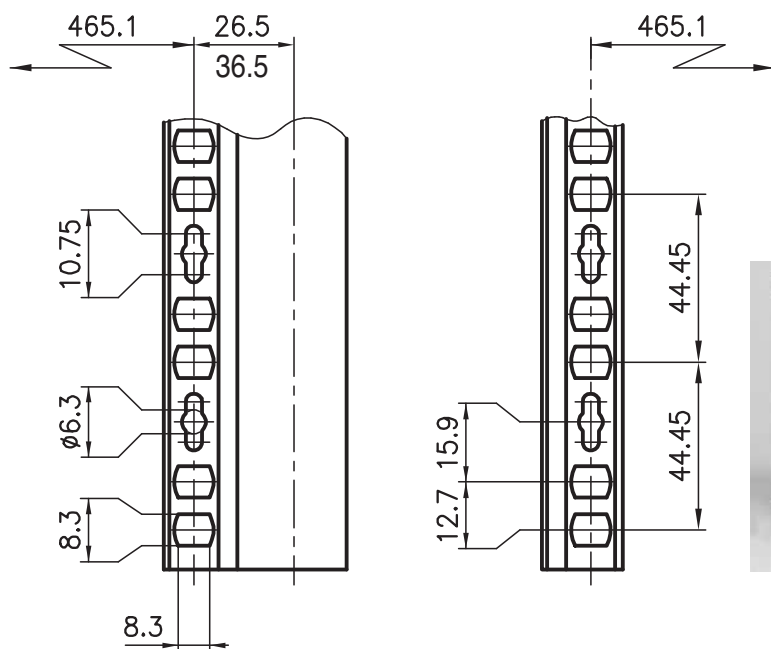
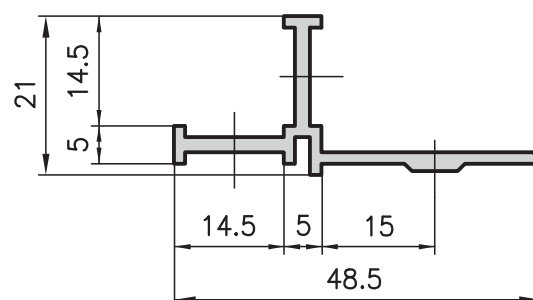
Order data	Order number
------------	--------------

50x50 hand rail extrusion	
Standard length 5000 mm	A19-1-00/5000
50x50 hand rail extrusion	
Cut to length	A19-1-02-02/...
Extra machining	Pages 55-59

19" auxiliary extrusion type A05-2



19" auxiliary extrusion type B05-2



Application

The screw-on extrusion allows 19" rack-ing 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.



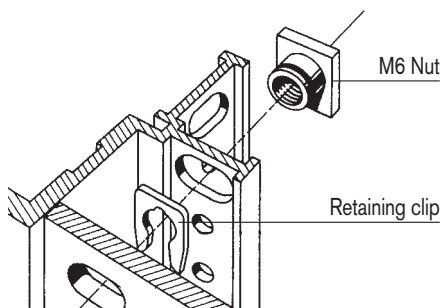
Technical data

Cross-section area	=	1.67 cm ²
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

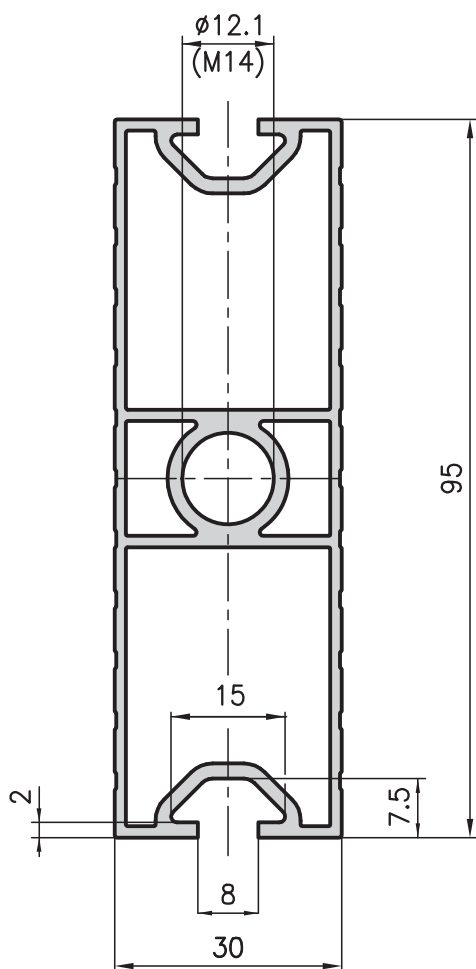
Cross-section area	=	1.37 cm ²
Weight	=	0.4 kg/m

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/...

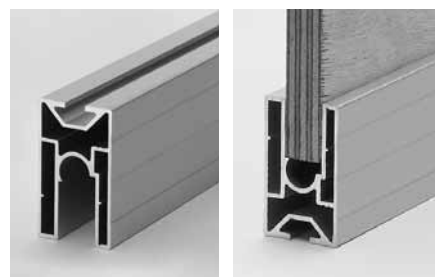
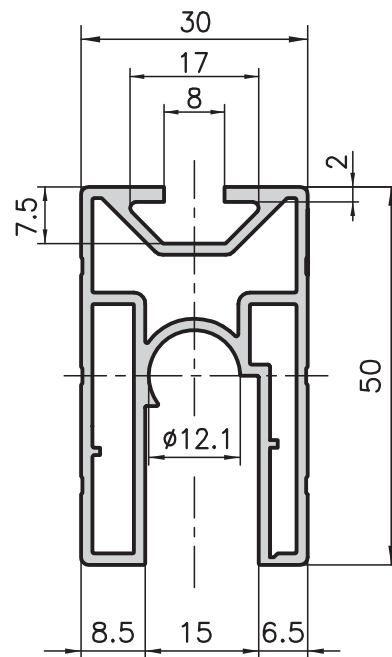
30x95 box frame extrusion type B01-7



Application

The basic material for the single and double wheeled runner (see page 151). However, it can also be used as a frame extrusion to hold thick panels in place.

30x50 runner extrusion type B10-9



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

30x95 box frame extrusion	
Standard length 5850 mm	B01-7-00/5000
30x95 box frame extrusion	
Cut to length	B01-7-02-02/...
Extra machining	Pages 55-59



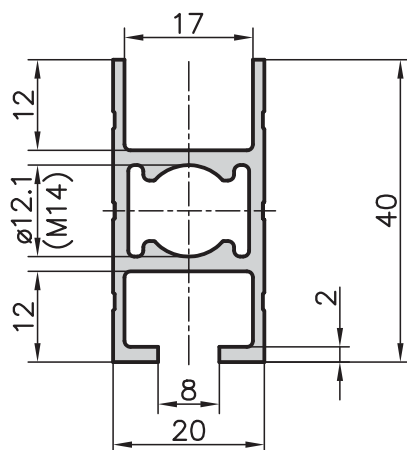
Technical data

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

Order data Order number

30x50 runner extrusion	
Standard length 5000 mm	B10-9-00/5000
30x50 runner extrusion	
Cut to length	B10-9-02-02/...
Extra machining	Pages 55-59

20x40 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.

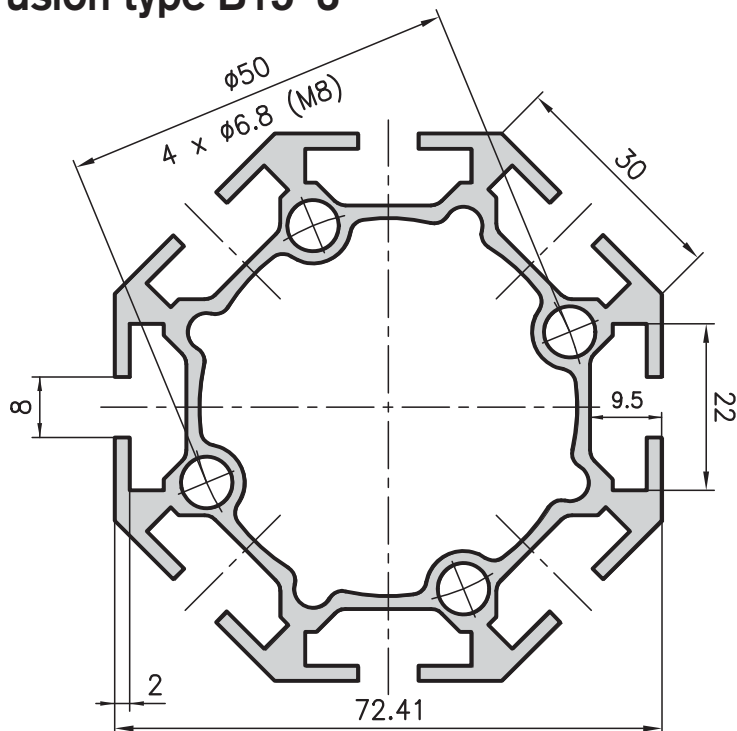
Technical data

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 number

20x40 box frame extrusion	
Standard length 5000 mm	D01-6-00/5000
20x40 box frame extrusion	
Cut to length	D01-6-02-02/...
Extra machining	Pages 55-59

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. An elegant extrusion for interior decoration such as tables, carriages, etc.



Technical data

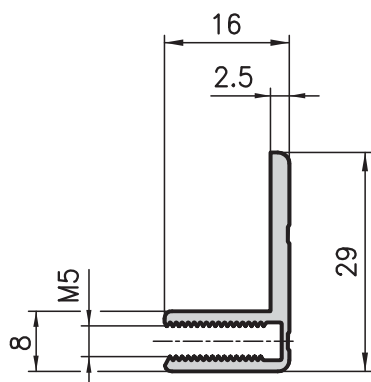
$I_{x,y}$	=	51.01 cm ⁴
$W_{x,y}$	=	14.09 cm ³
Cross-section area	=	10.30 cm ²
Weight	=	2.8 kg/m

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 55-59



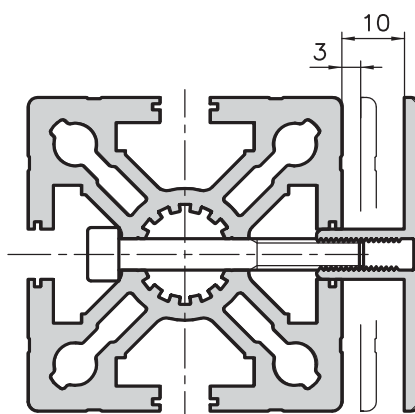
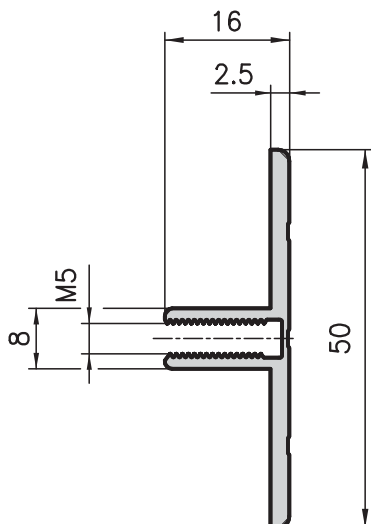
16x29 clamping extrusion type A05-6



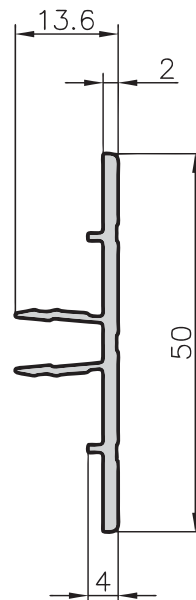
Application

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!

16x50 double clamping extrusion type A05-7

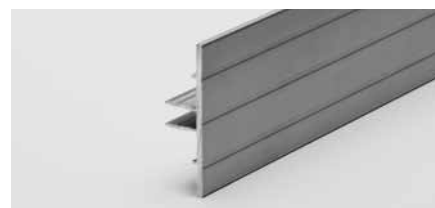
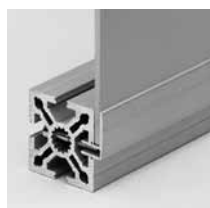
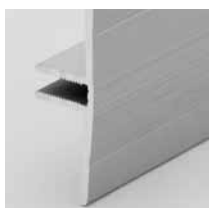
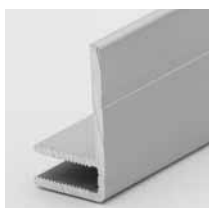


13.5x50 panel clamp extrusion type A05-8



Application

Similar to the clamping extrusion but with the additional benefit, that this extrusion can be clipped in. Ideal for ALUCO-BOND- and DIBOND- panels or other sheets with a thickness of 2mm and respectively 4 mm (2 snap-in positions for clamping!)



Technical data

Cross-section area	=	1.18 cm ²
Weight	=	0.32 kg/m

Order data

Order number

16x29 clamping extrusion	
Standard length 5000 mm	A05-6-00/5000
16x29 clamping extrusion	
Cut to length	A05-6-02-02/...

Technical data

Cross-section area	=	1.70 cm ²
Weight	=	0.46 kg/m

Order data

Order number

16x50 double clamping extrusion	
Standard length 5000 mm	A05-7-00/5000
16x50 double clamping extrusion	
Cut to length	A05-7-02-02/...

Technical data

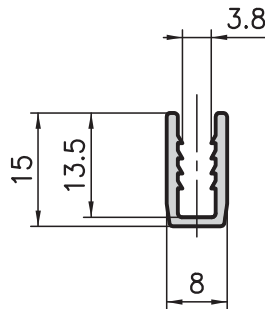
Cross-section area	=	1.26 cm ²
Weight	=	0.34 kg/m

Order data

Order number

13.5x50 panel clamp extrusion	
Standard length 6000 mm	A05-8-00/6000
13.5x50 panel clamp extrusion	
Cut to length	A05-8-02-02/...

8x13.5 U-clamping extrusion type B19-6

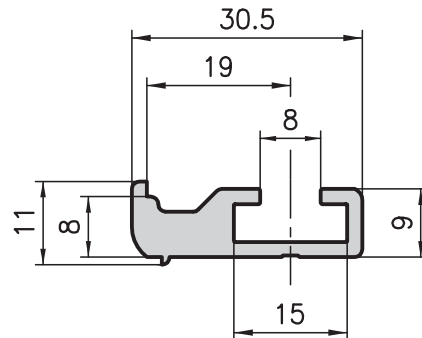


Application

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

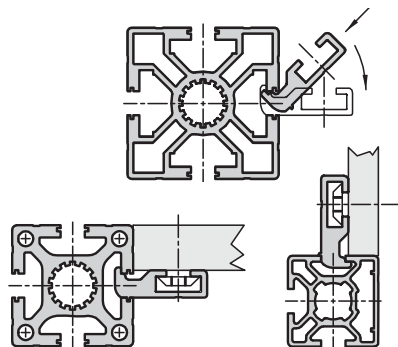
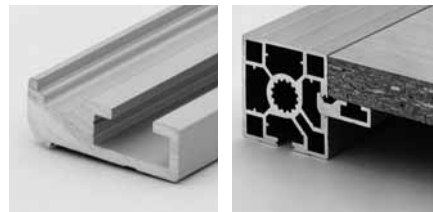


11x30.5 support extrusion type B19-7



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	=	0.53 cm ²
Weight	=	0.14 kg/m

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

8x13.5 U-clamping extrusion	
Standard length 5000 mm	B19-6-00/5000
8x13.5 U-clamping extrusion	
Cut to length	B19-6-02-02/...

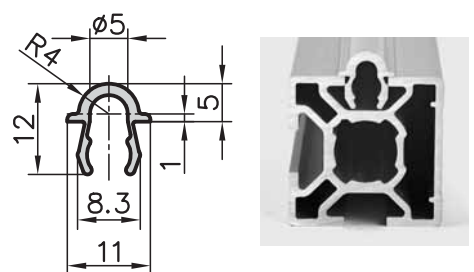
Technical data

Cross-section area	=	1.62 cm ²
Weight	=	0.44 kg/m

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

11x30.5 stop extrusion	
Standard length 5000 mm	B19-7-00/5000
11x30.5 stop extrusion	
Cut to length	B19-7-02-02/...

Aluminium guide extrusion type B19-8



Application

This aluminium guide can be easily clipped into all slots of Base 50/40/30. With 30 base extrusions, a snap-in function prevents the guide from falling out. With 50/40 base extrusions, the guide is jammed in the slot. If necessary, a steel pin Ø 6 can also be pressed in on the side which prevents any possible movement of the guide. Advantages of this guide are:

- Quick and easy fitting, and inexpensive
- Closed slots reduce the build up of dirt
- Can be retrofitted at any time onto existing structures

Sliding doors are so easy and inexpensive to produce. Used especially in applications where the build up of dirt in an open slot or guide is to be prevented.

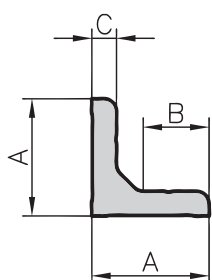
This extrusion is primarily used as a running rail for the concave roller.

Wheeled runner, see Page 151

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

Aluminium guide extrusion	
Standard length 5000 mm	B19-8-00/5000
Cut to length	B19-8-02-02/...

Angle extrusion type A30-0/C30-0

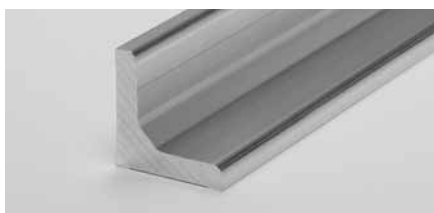


Measurement data

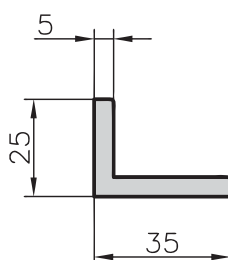
Typ	A	B	C
A30-0	38	21	8
C30-0	31	17	6

Technical dat

	A30-0	C30-0
Cross-section area	= 5.52 cm ²	3.46 cm ²
Weight	= 1.49 kg/m	0.94 kg/m



Angle extrusion type A30-5

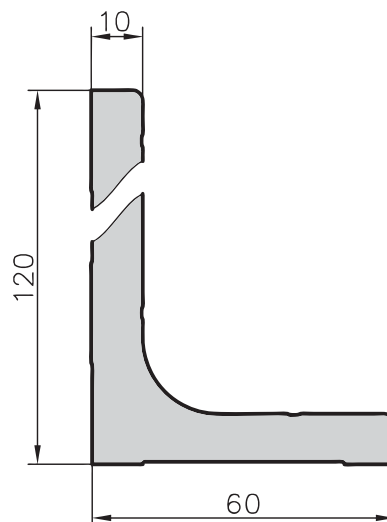


Application

Source material for mounting and fixing brackets or as support bracket.



Angle extrusion type A47-0



Application

Source material for floor bolting brackets or for reinforcements.



Order data

Order number

38x38 angle extrusion raw	
Standard length 3000 mm	A30-0-00/3000
38x38 angle extrusion raw	
Cut to length	A30-0-02-02/...
31x31 angle extrusion raw	
Standard length 3000 mm	C30-0-00/3000
31x31 angle extrusion raw	
Cut to length	C30-0-02-02/...

Technical data

Cross-section area	= 2.74 cm ²
Weight	= 0.74 kg/m

Order data

Order number

25x35 angle extrusion raw	
Standard length 5000 mm	A30-5-00/5000
25x35 angle extrusion raw	
Cut to length	A30-5-02-02/...

Technical data

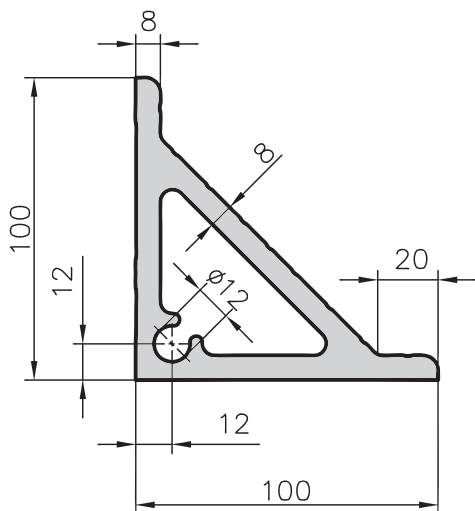
Cross-section area	= 17.15 cm ²
Weight	= 4.63 kg/m

Order data

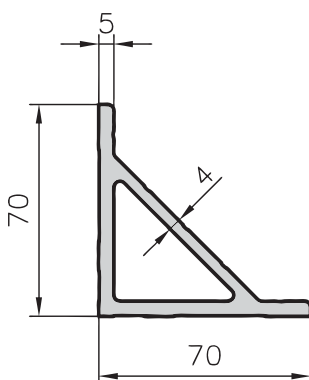
Order number

60x120 angle extrusion raw	
Standard length 3600 mm	A47-0-00/3600
60x120 angle extrusion raw	
Cut to length	A47-0-02-02/...

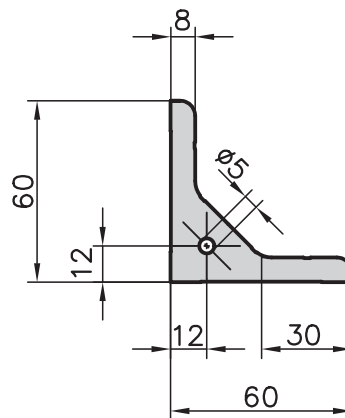
Angle extrusion type A30-3



Angle extrusion type C30-3

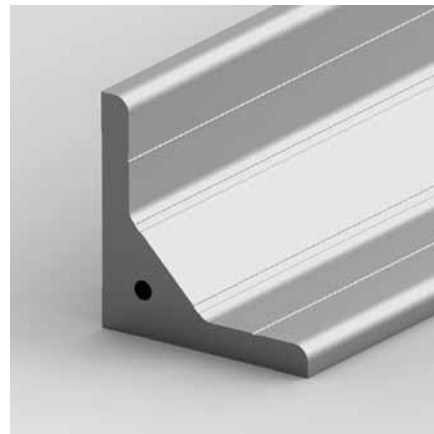
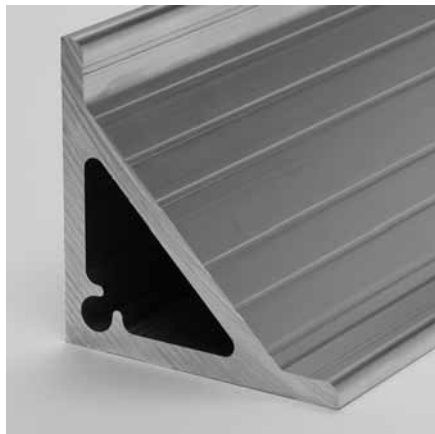


Angle extrusion type A30-2



Application

These very strong angle extrusions are the source material for the mounting brackets. They're also used to reinforce heavily loaded constructions.



Technical data

Cross-section area	= 23.63 cm ²
Weight	= 6.38 kg/m

Order data

Order number

100x100 angle extrusion raw	
Standard length 3000 mm	A30-3-00/3000
100x100 angle extrusion raw	
Cut to length	A30-3-02-02/...

Technical data

Cross-section area	= 9.23 cm ²
Weight	= 2.49 kg/m

Order data

Order number

70x70 angle extrusion raw	
Standard length 3000 mm	C30-3-00/3000
70x70 angle extrusion raw	
Cut to length	C30-3-02-02/...

Technical data

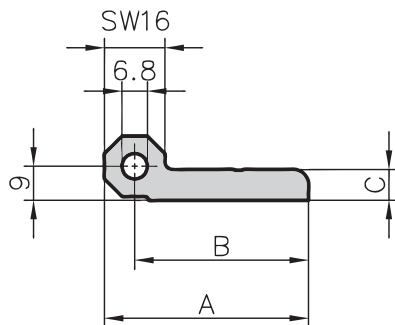
Cross-section area	= 10.15 cm ²
Weight	= 2.75 kg/m

Order data

Order number

60x60 angle extrusion raw	
Standard length 3000 mm	A30-2-00/3000
60x60 angle extrusion raw	
Cut to length	A30-2-02-02/...

Hinge extrusion type A60-6/C60-6



Measurement data

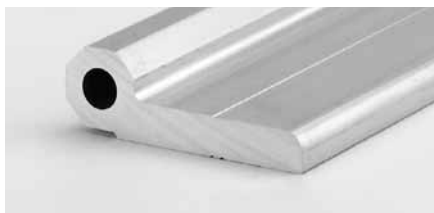
Typ	A	B	C
A60-6	54	46	8
C60-6	44	36	8

Application

Source material for the unHINGABLE and the heavy duty hinges or for producing special hinges.

Specification

Aluminium raw



Technical data

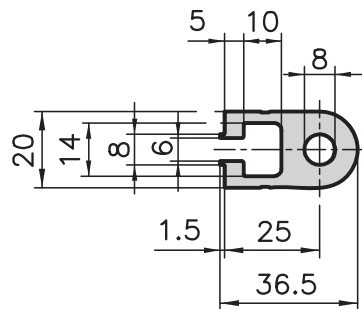
	A60-6	C60-6
Cross section area	= 4.91 cm ²	4.11 cm ²
Weight	= 1.33 kg/m	1.11 kg/m

Order data

Order number

17x54 hinge extrusion	
Standard length 3000 mm	A60-6-00/3000
17x54 hinge extrusion	
Cut to length	A60-6-02-02/...
17x44 hinge extrusion	
Standard length 3000 mm	C60-6-00/3000
17x44 hinge extrusion	
Cut to length	C60-6-02-02/...

Hinge extrusion type A60-5



Application

Source material for special hinges or as bearing for simple rotating-mechanism.

Specification

Aluminium anodised



Technical data

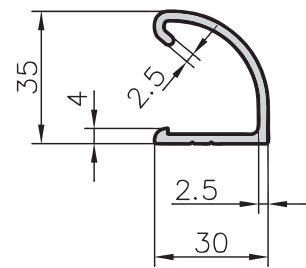
Cross-section area	= 4.40 cm ²
Weight	= 1.19 kg/m

Order data

Order number

20x36.5 hinge extrusion	
Standard length 5000 mm	A60-5-00/5000
20x36.5 hinge extrusion	
Cut to length	A60-5-02-02/...

Handle strip extrusion type B65-5



Application

Source material for handle strips or handles with special-length.

Specification

Aluminium anodised



Technical data

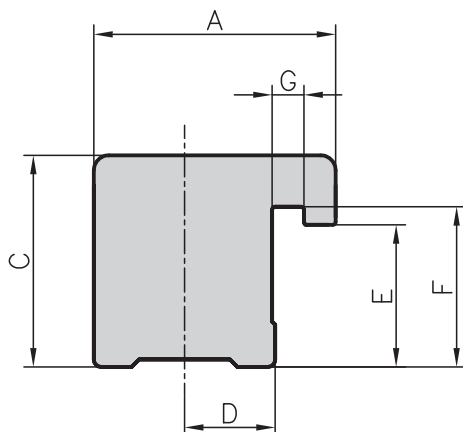
Cross-section area	= 2.18 cm ²
Weight	= 0.59 kg/m

Order data

Order number

30x35 handle strip extrusion	
Standard length 5000 mm	B65-5-00/5000
30x35 handle strip extrusion	
Cut to length	B65-5-02-02/...

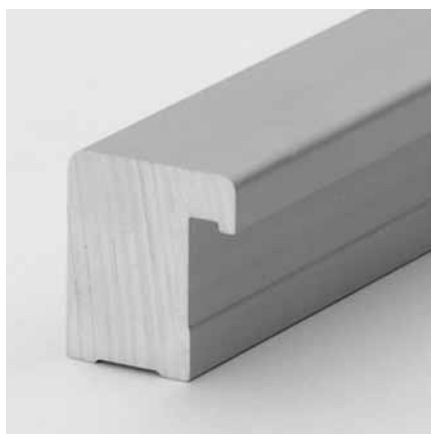
Clamping blocks



Application

To connect two extrusions of base 50, 40 and 30. A very sturdy cross or parallel connection is produced. Two clamping blocks are required to create the parallel connection.

Clamping blocks machined,
see page 134



Measurement data

Type	A	C	D	E	F	G	kg/m
30	17	15	6.5	9.4	10.6	2.1	0.51
40	25	22	10	14.4	15.6	4	1.31
50	25	27	10	19.4	20.6	4	1.58

Order data

Order number

Raw block extrusion

Base 50 extrusions

Standard length 3000 mm	A34-0-00/3000
Cut to length	A34-0-02-02/4

Base 40 extrusions

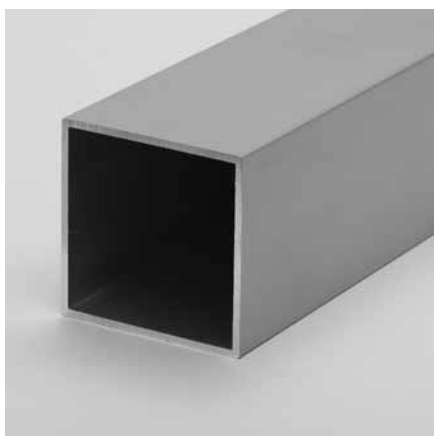
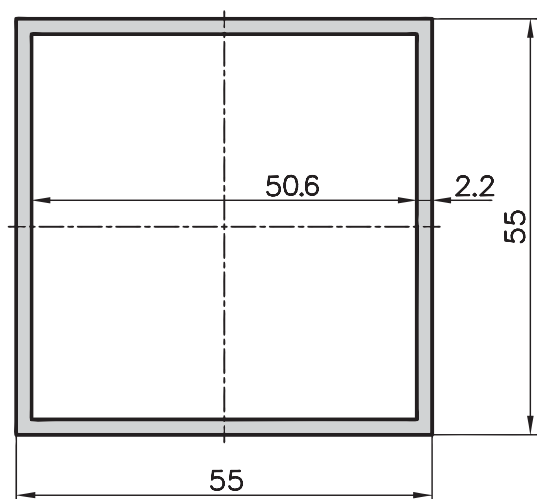
Standard length 3000 mm	C34-0-00/3000
Cut to length	C34-0-02-02/...

Base 30 extrusions

Standard length 3000 mm	B34-0-00/3000
Cut to length	B34-0-02-02/...

Square pipe

55x55 rectangular tube type A19-5



Application

With the rectangular tube and with the combination of a 50x50 extrusion a telescope function can be easily created. Can also be used as a guidance for a counter balance in a construction with a lift gate in addition to many «classic» rectangular tube applications.

Technical data

$I_{x,y}$	= 21.58 cm ⁴
$W_{x,y}$	= 7.85 cm ³
Cross-section area	= 4.64 cm ²
Weight	= 1.25 kg/m

Order data

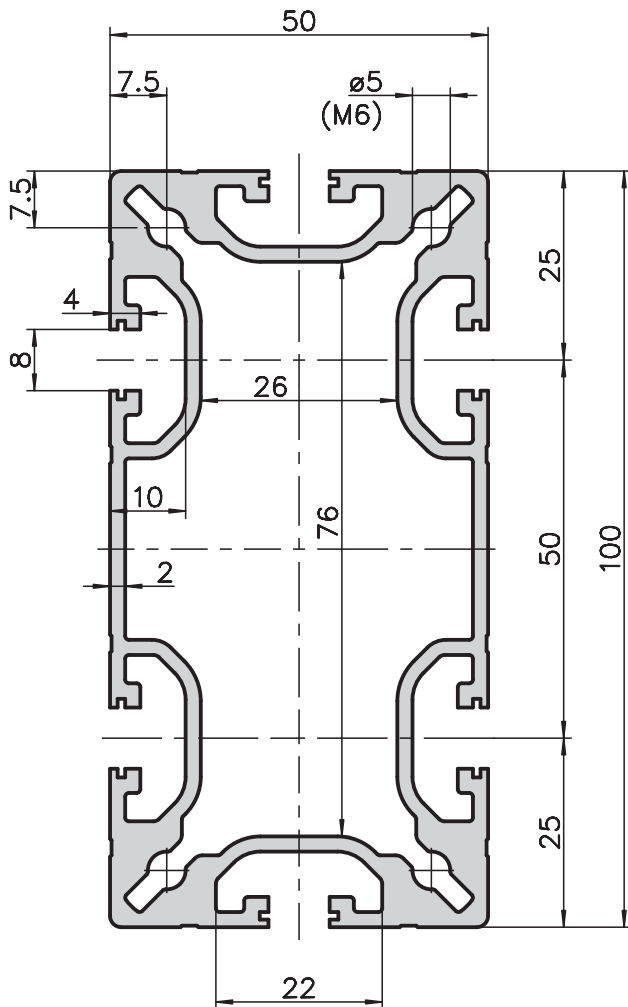
Order number

55x55 rectangular tube	
Standard length 6000mm	A19-5-01/6000
55x55 rectangular tube	
Cut to length	A19-5-02-02/....

Counter balance

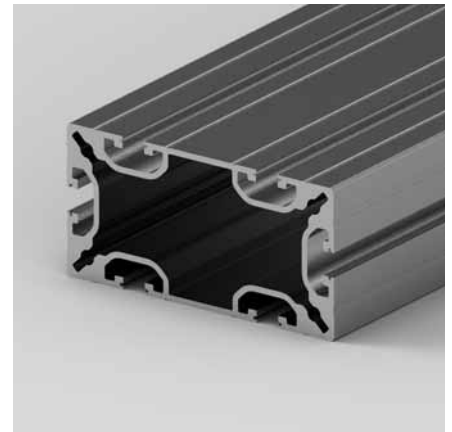


Counterweight extrusion 50x100 type A19-2



Application

Counterweights can be inserted into this extrusion for vertical sliding doors. This is a combination extrusion of base 40 + 50. The slots are based on the geometry of base 40 which is why base 40 accessories are the most suitable to use. This extrusion can be connected to the PVSDirect (page 129).



Technical data

I _x	=	41.82 cm ⁴
I _y	=	16.43 cm ⁴
W _x	=	8.36 cm ³
W _y	=	6.57 cm ³
Cross-section area	=	12.33 cm ²
Weight	=	3.33 kg/m

Order data

Order number

Counterweight extrusion 50x100
Standard length 6000mm A19-2-01/6000
Cut to length A19-2-02-02/...



Also available, a special «PVS® screw safe». For safety casings or covers which must not be removable using a standard Allen key.
(Item No. 125-80-S)

KANYA connection technology: PVS® ORIGINAL

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 centers 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.

PVS® connectors - overview

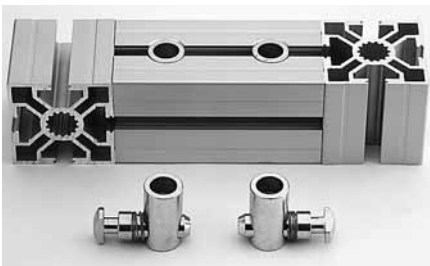
1. Universal connections



The round anchor head allows the extrusions to be set in any position, however it must first be pushed into the retaining slot. **Also available in stainless steel or providing electrical bonding. (electrically conducting)**



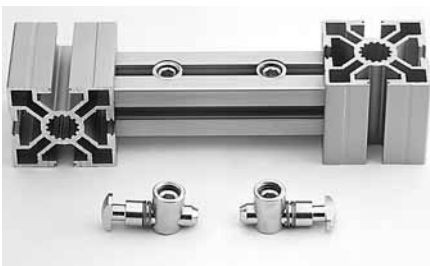
2. Standard connections



The milled anchor heads allow extrusions to be added subsequently. Horizontally and vertically milled anchor types are required to guarantee that every extrusion position is possible. **Also available in stainless steel or providing electrical bonding. (electrically conducting)**



3. Combination connections



To provide the optimum connection for all cross-sections, the combination connectors are used in a similar way to the standard connection.



4. Special connections



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



5. Mitred connections



The formed anchor head – 15°, 30° and 45° in both left and right designs – or with an articulated head to create connections at virtually any angle



6. Double mitred connections



The anchor which can be swivelled from 0° – 90° can be used universally and creates a sturdy frame with slots all around.



7. Extrusion extensions



The rigid anchor guarantees an extremely stable extrusion extension



8. Threaded connections



The threaded anchor (M6 / M8) enables the extrusion to be attached to other structures. And the erection of a machine safety guard on an existing work top without any additional fixings.



Universal-, standard- and special connectors

1. Universal connectors

Order number				Order number			
20	30	40	50	50	40	30	20
			A20-90 (-I/-P)*				A20-90 (-I/-P)*
			C20-90 (-I/-P)*				C20-90 (-I/-P)*
			B210-90 (-I/-P)*				B210-90 (-I/-P)*
			D210-90 (-I/-P)*				D210-90 (-I/-P)*
			DD210-90				DD210-90
			A20-95				A20-95
			C20-95				C20-95
			B210-95				B210-95
*....-P = universal connectors with electrical bonding				*....-P = universal connectors with electrical bonding			
*....-I = universal connectors stainless steel 1.4305				*....-I = universal connectors stainless steel 1.4305			

2. Standard connectors

Order number				Order number			
20	30	40	50	50	40	30	20
			A20-10(-I/-P)*				A20-20(-I/-P)*
			C20-10(-I/-P)*				C20-20(-I/-P)*
			B210-10(-I/-P)*				B20-20(-I/-P)*
			D20-10(-I/-P)*				D20-20(-I/-P)*
			DD20-10				DD20-20
			A20-50				A20-51
			C20-50				C20-51
			B20-50				B20-51
*....-P = standard connectors with electrical bonding				*....-P = standard connectors with electrical bonding			
*....-I = standard connectors stainless steel 1.4305				*....-I = standard connectors stainless steel 1.4305			


3. Combination connectors

Order number				Order number			
20	30	40	50	50	40	30	20
AB20-10	AB20-10	A20-10					AB20-20
CB20-10	CB20-10		C20-10				CB20-20
B20-10		B210-10	B210-10				B20-20
	D20-10	D210-10	D210-10				D20-20
	DD20-10	DD210-10	DD210-10				DD20-20
			C20-50				C20-51
			B210-50				B210-51

4. Special connectors

Order number				Order number			
20	30	40	50	50	40	30	20
AB20-10	AB20-10	A20-10	A20-10				AB20-20
CB20-15	CB20-15	C20-15	C20-15				CB20-25
B20-15	B20-15	B210-15	B210-15				B20-25
		A20-50	A20-50				A20-51

5a. Mitre connectors with formed anchor



Order number

20*	20	30	40	50
DD221-α	D221-α	B221-α	C22-α	A22-α
DD221-α	D221-α	B221-α	C22-α	
DD22-α	D22-α	B22-α		
DD22-α	D22-α			

Code α 15° = -15, α 30° = -30, α 45° = -45 *core hole 6.0 mm

Extrusions with a base of


50
40
30
20

Order number

50	40	30	20	20*
A23-α	C23-α	B231-α	D231-α	DD231-α
	C23-α	B231-α	D231-α	DD231-α
		B23-α	D23-α	DD23-α
			D23-α	DD23-α

Code α 15° = -15, α 30° = -30, α 45° = -45 *core hole 6.0 mm

5b. Mitre connectors with an articulated anchor (up to max. 55°)



Order number

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

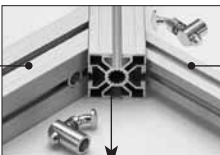
Extrusions with a base of

50
40
30
20

Order number

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

5c. Mitred connectors with an formed anchor 90°



Order number

30	40	50
B221-α	C22-α	A22-α
B221-α	C22-α	
B22-α		

Code α 15° = -19, α 30° = -39, α 45° = -49

Extrusions with a base of

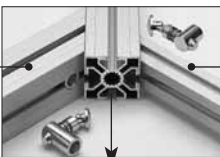
50
40
30

Order number

50	40	30
A23-α	C23-α	B231-α
	C23-α	B231-α
		B23-α

Code α 15° = -19, α 30° = -39, α 45° = -49

5d. Mitred connectors with an articulated anchor 90°



Order number

30	40	50
B221-90	C22-90	A22-90
B221-90	C22-90	
B22-90		

Extrusions with a base of

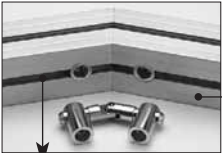
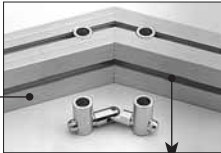
50
40
30

Order number

50	40	30
A22-90	C22-90	B221-90
	C22-90	B221-90
		B22-90

Special connectors

6. Double mitre connectors



Order number

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

*core hole of 6.0mm

Extrusions with a base of

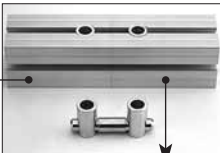
50
40
30
20
20 core hole 6.0 mm
A02-8
C02-8 / C03-8
B01-8

Order number

50	40	30	20	20*	A02-8	C02-8	B01-8
A24-19							
C24-19							
B24-19							
D24-19							
-							
A24-59							
C24-59							
B24-59							

*core hole of 6.0mm

7. Extrusion extension connectors



Order number


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

*core hole of 6.0mm

Extrusions with a base of

50
40
30
20
20 core hole 6.0 mm
A02-8
C02-8 / C03-8
B01-8

8. Threaded connectors



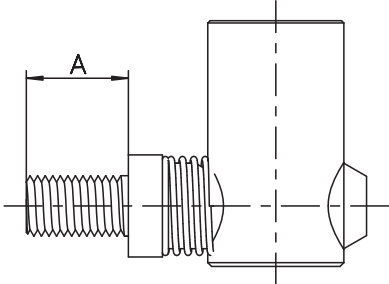
Order number

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

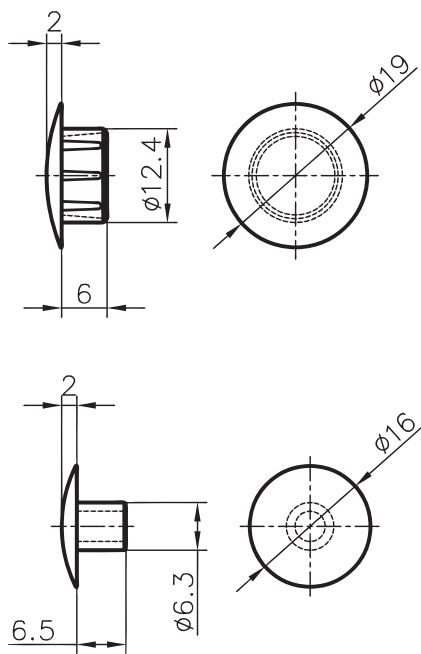
A

Extrusions with a base of

13	50
13	40
10	30
10	20
7	20 core hole 6.0 mm
	A02-8
	C02-8 / C03-8
	B01-8



Covering cap for PVS-connector



Application

The covering cap for the PVS-connectors have two functions: aesthetics and protection. With the connector on a face side of an extrusion, it covers the visible part of the connector.

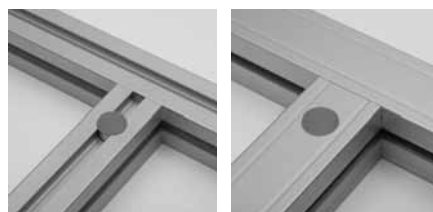
If the application is in a dirty environment, it is wise to protect the screws from dirt to allow functionality.

Specification

Material PE, gray



Covering cap



PVS® screw «Safe»



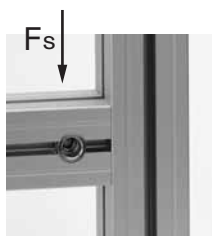
Special PVS® screw Safe M12x12 for safety constructions which must not be easy to dismantle by unauthorised persons. A pin inhibits access to the screw so that it cannot be unscrewed using a commercially available Allen key.

Order data	Order number	
Plastic cap	grey	black
Base 40/50	A40-99	A40-98
Base 30	B40-99	B40-98

Order data	Order number
PVS® screw Safe	125-80-S

Technical data for aluminium extrusion connectors

Thrusts



That chart shows the shearing forces in relation to torque and number of connectors of the most important extrusion combinations.

At a torque of 30Nm lies the shearing force for a connection with one connector at approximately 4000N.

Recommended torque:

Extrusion base 50/40: 30–35Nm

Extrusion base 30/20 20–25Nm

Extrusion base 20 (Ø6): max. 6Nm

Suggestion:

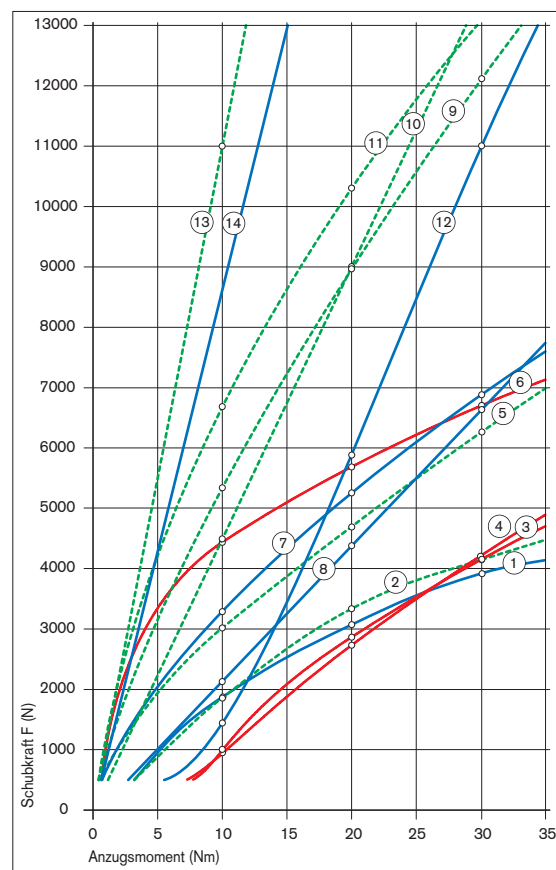
The tightening torques should not exceed above mentioned recommended specifications: ⇨ The anchor head may be damaged or broken.

Tractive forces



Those in the chart stated tractive forces are approximate value.

Conditions: Preload of connectors with max. torque!



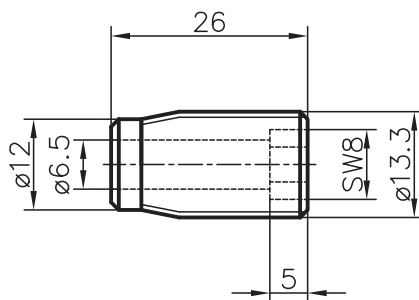
No.	extrusion	joints
1	50x50	1
2	40x40	1
3	30x30	1
4	30x50	1
5	40x80	2
6	30x100	2
7	50x100	2

No.	extrusion	joints
8	50x150	3
9	40x120	3
10	80x80	4
11	40x160	4
12	100x100	4
13	80x160	8
14	100x200	8

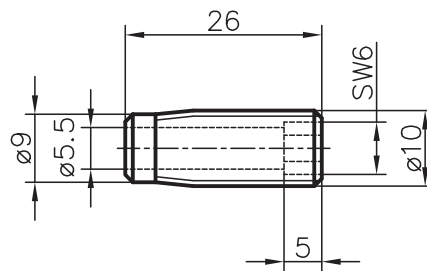
Tractive force Extrusion	Fz Universal connectors	Fz Standard connectors
Base 50	14'000N	10'000N
Base 40	14'000N	10'000N
Base 30	4'000N	3'500N
Base 20	2'000N	1'800N

PVS direct connectors

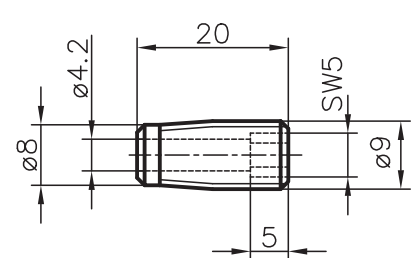
Base 50



Base 40



Basis 30



Application

The extrusion does not need to be machined for this connection. This self-cutting threaded sleeve has a shank for an Allen key which can simply be used to screw it into the longitudinal slot. The screw is mounted into the threaded sleeve in advance, thereby connecting the extrusion to the extrusion nuts in the counter extrusion.

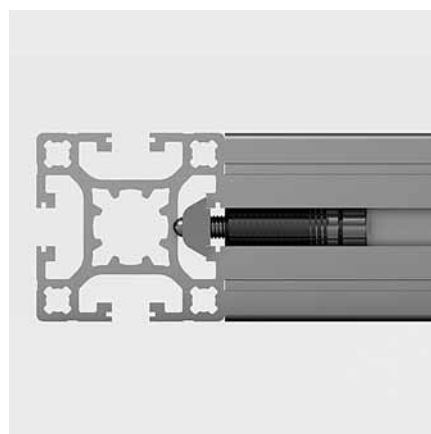
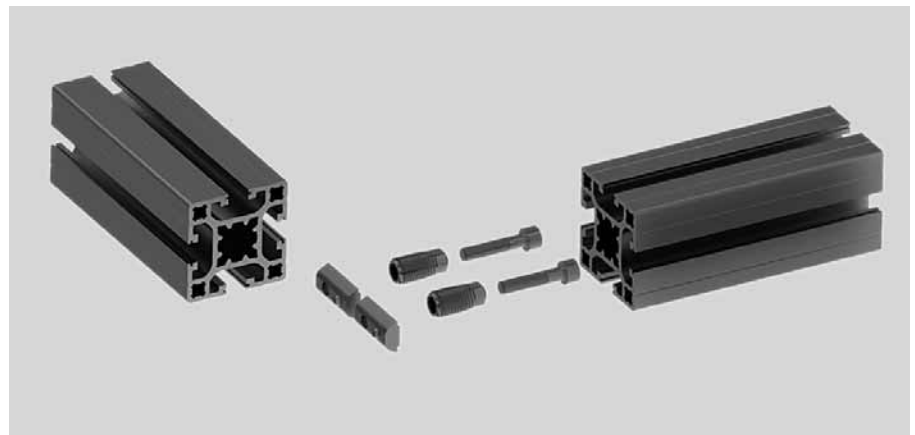
These can be installed afterwards. With this stable connection, assembly is slightly more complex than with the PVS standard connector. The prerequisite for this connection is access on both sides to the slots.

Note

The side slots are blocked by the connection. Panels would therefore have to be removed at the site of the fasteners.

Parts supplied

- 2 screws
- 2 threaded sleeves
- 2 light extrusion nuts



Integrated connector



Threaded sleeve

Order data	Order number
Base 50	A33-90
Base 40	C33-90
Base 30	B33-90

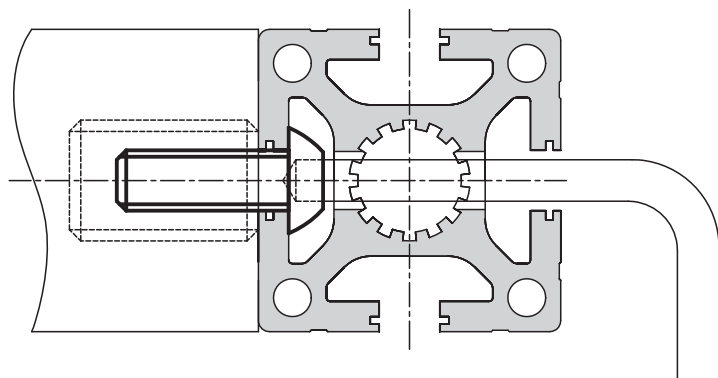
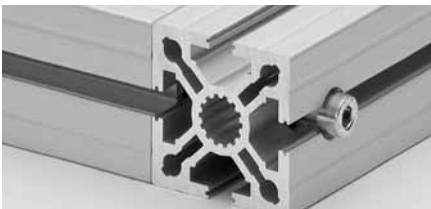
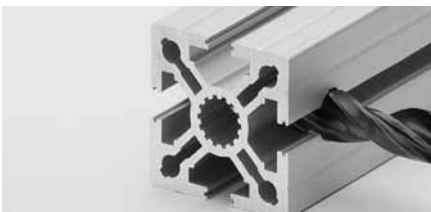
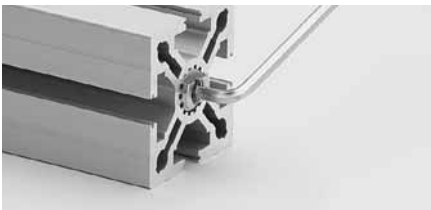
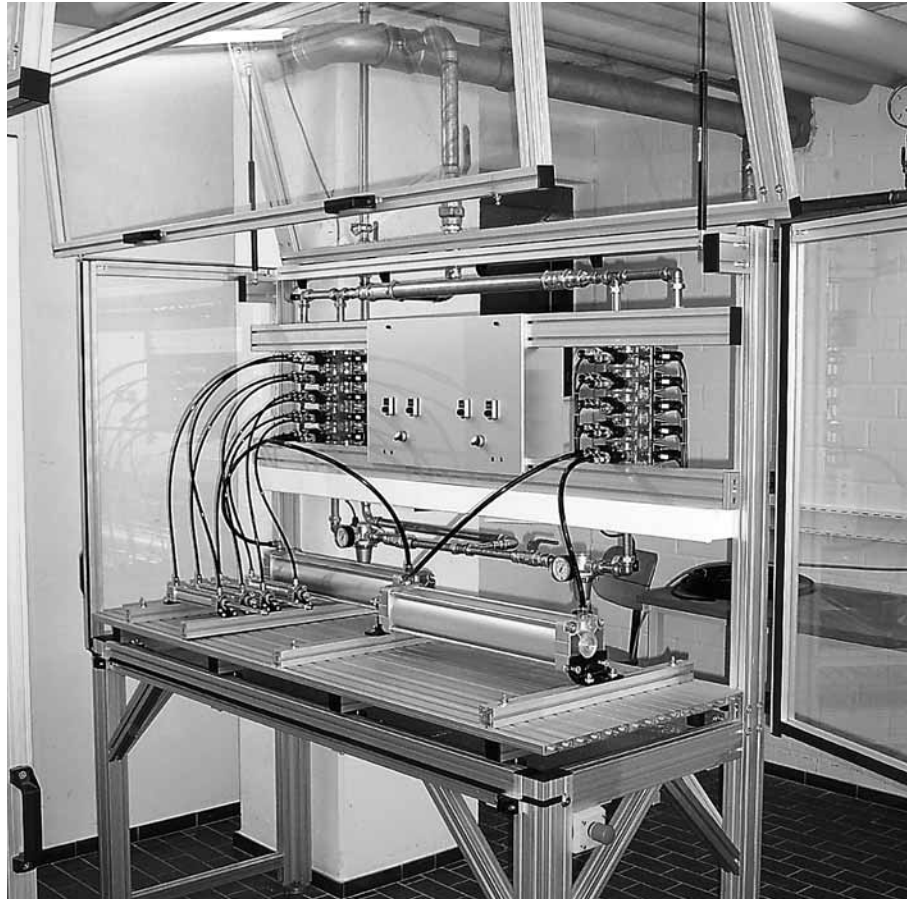
The KANYA connection technology

PVS® SUPERLIGHT

Assembly instructions:

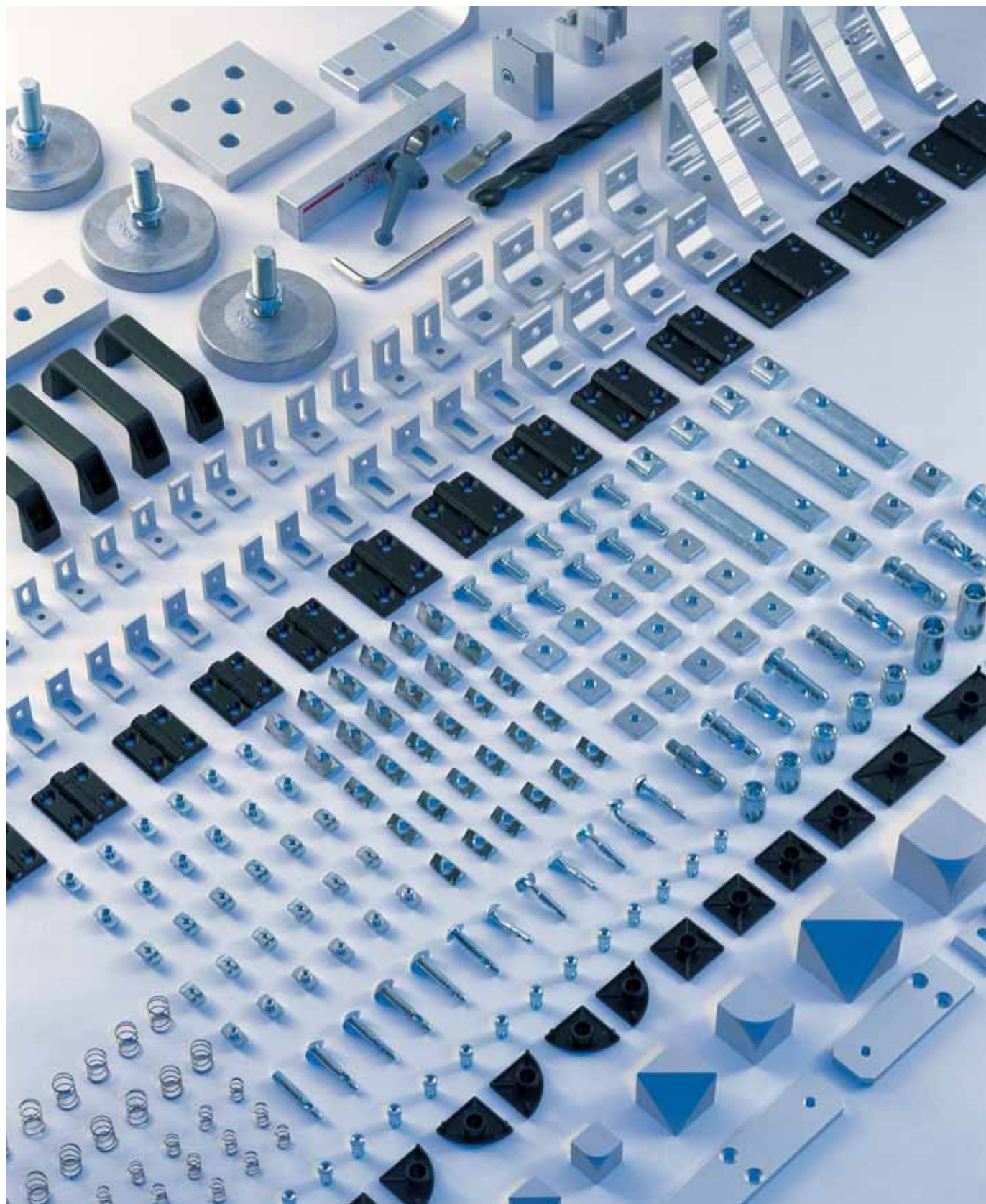
1. Insert the self-cutting threaded insert into the extrusion centre hole (see Page 142).
2. Drill a stepped hole into the extrusion
3. Tighten the socket-head cap screw – that's all there is to it.

For a lateral connection, you can also use an extrusion nut or a threaded plate.



Note:

Instead of a stepped hole, you can also just drill a simple hole for the Allen key and then insert a cheese-head screw into the counter slot.



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.

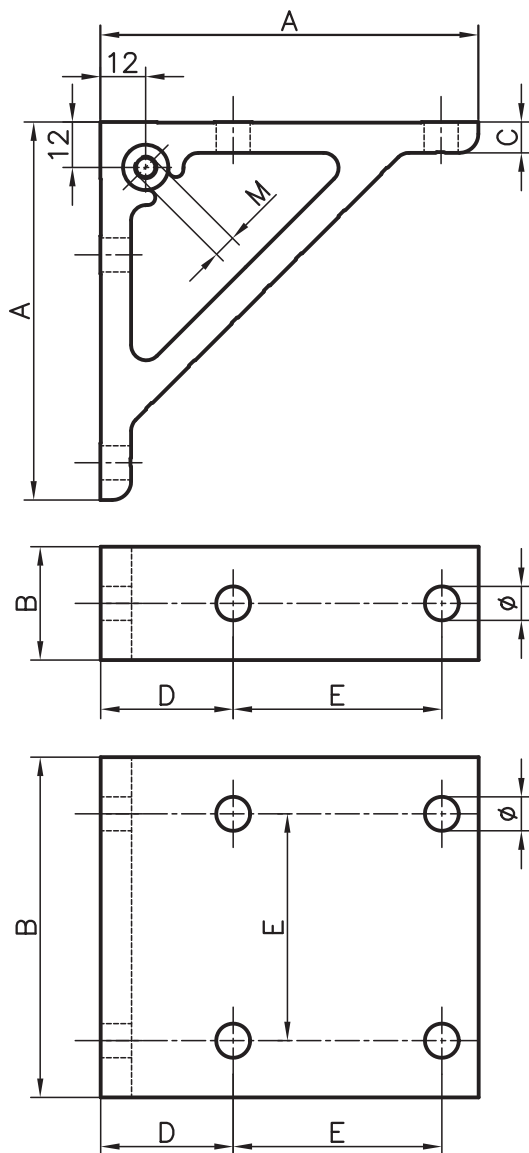
Customer-specific accessories are available or can be specially made to order – yet another advantage of over 25 years experience in system building.



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



Mounting brackets

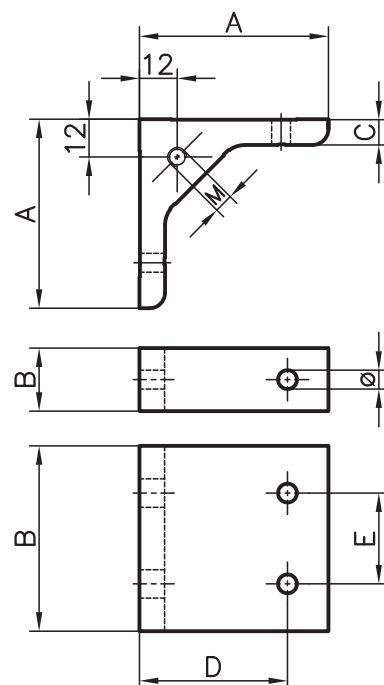


Application

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

Specification

Aluminium, matt,
anodised in natural colours



Measurement data Order number

A	B	C	D	E	Ø	M*	
100	30	8	35	55	9	-	A30-30
100	30	8	25	50	9	-	A30-31
100	75	8	25	50	9	-	A30-32
100	30	8	35	55	9	M6	A30-40
100	20	8	35	55	6.5	-	B30-30
100	20	8	35	55	6.5	M6	B30-40
70	25	5	20	40	6.5	-	C30-30
70	65	5	20	40	6.5	-	C30-32

*insert

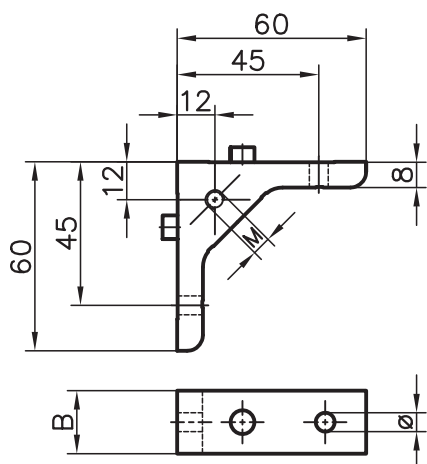


Measurement data Order number

A	B	C	D	E	Ø	M*	
60	20	8	45	-	6.5	-	B30-12
60	20	8	45	-	6.5	M6	B30-22
60	30	8	45	-	9	-	A30-12
60	30	8	45	-	9	M6	A30-22
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

*Thread

Mounting bracket and dowel



Application

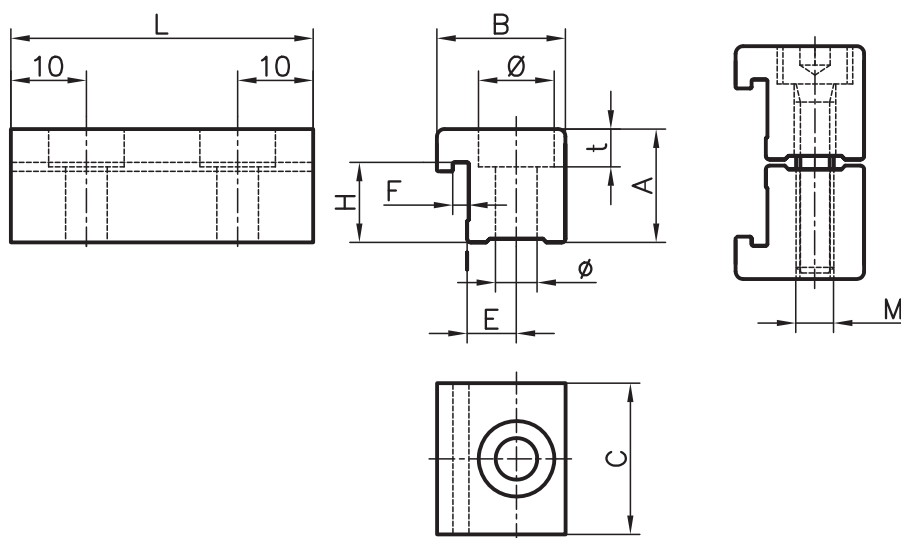
The mounting bracket and dowel are used in any application where the extrusions are subjected to torsion but must not twist. A safe extrusion connection.

Specification

Aluminium, matt,
anodised in natural colours



Clamping block Base 50/40/30



Application

To connect two extrusions of base 30, 40 or 50 in parallel or crossing. Two blocks are required to create a parallel connection.

Specification

Aluminium anodised
Screw: Zinc-coated steel

Parts supplied

1/2 clamping block(s), screws



Measurement data

	A	B	C	E	F	H	L	Ø	t	ø	
Base 30	15	17	20	6.5	2.1	10.6	50	10	5	5.5	M5
Base 40	22	25	25	10	4	15.6	60	11	6.8	6.6	M6
Base 50	27	25	25	10	4	20.6	70	11	6.8	6.6	M6

Measurement data Order number

B	Ø	M	
30	9	-	A30-13
20	6.5	-	B30-13
30	9	M6	A30-23
20	6.5	M6	B30-23

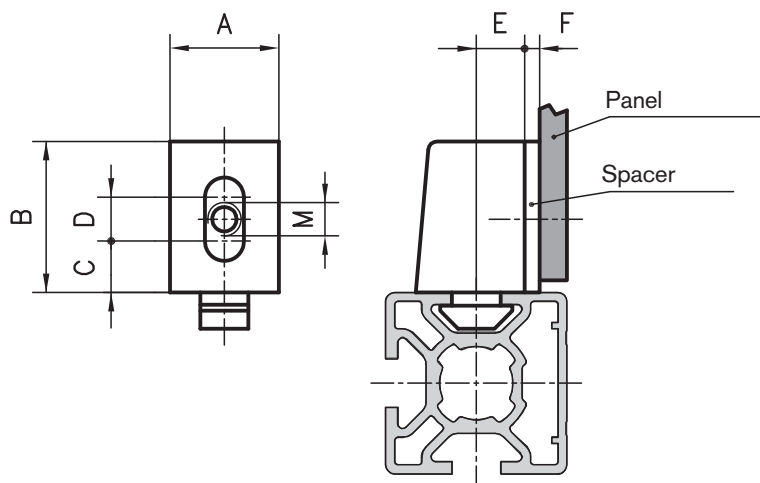
Order data

Extrusion base
Single clamping blocks
Cross connection
Parallel connection
Double clamping blocks
Cross connection
Parallel connection

Order number

50	40	30
A34-01	C34-01	B34-01
A34-11	C34-11	B34-11
A34-02	C34-02	B34-02
A34-22	C34-22	B34-22

Uniblock



Application

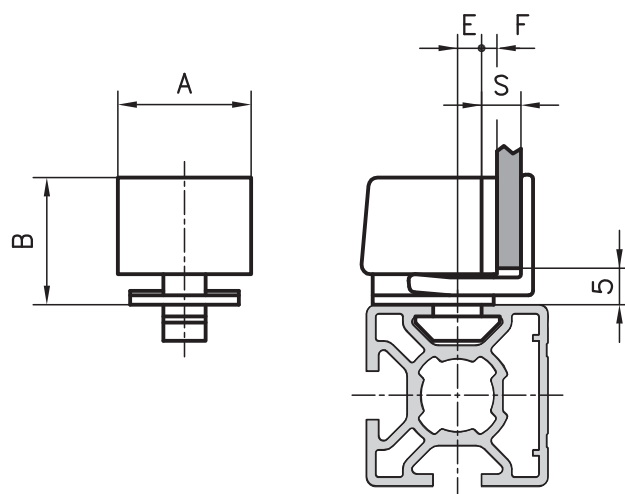
The uniblock is used to secure all sorts of panels in place. The uniblock can be attached to the extrusion without having to use any screws thanks to the attached anchor-head. The panel is then screwed to the uniblock. The captive square nut provides a large tolerance range. Different spacers can be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

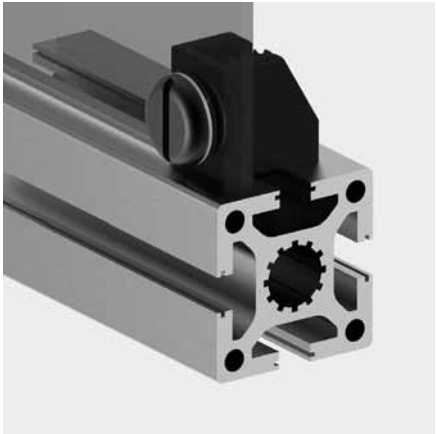
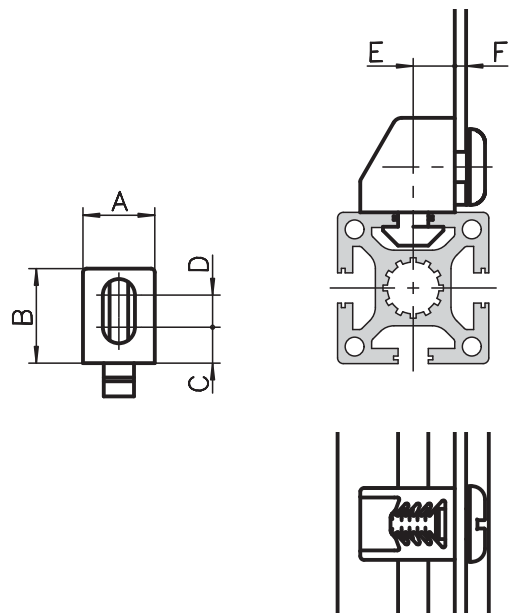


Order data					Order number	
A	B	C	D	E	M	
Uniblock extrusion base 50						
19	25	7.5	9.5	16	M4	A30-94
					M5	A30-95
					M6	A30-96
Uniblock extrusion base 40						
19	25	7.5	9.5	11	M4	C30-94
					M5	C30-95
					M6	C30-96
Uniblock extrusion base 30						
19	25	11	4.5	6	M4	B30-94
					M5	B30-95
					M6	B30-96
Uniblock extrusion base 20						
12	16	5.5	4.5	5	M4	D30-94

Order data	Order number
Spacers for extrusion base 50 / 40 / 30	
F = 2 mm (without holes)	A302-97
3 mm	A303-97
5 mm	A305-97
Spacers for extrusion base 20	
F = 1 mm (without holes)	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 50				
22	21	13.5	5	10 mm A30-90
Clamping block extrusion base 40				
22	21	8.5	5	10 mm C30-90
Clamping block extrusion base 30				
22	21	3.5	5	8 mm B30-90
Spacers for extrusion base 50 / 40 / 30				
F =	2 mm			A302-98
	3 mm			A303-98
	5 mm			A305-98

Rapid connection blocks



Specification
PA-GF, black
Fastening pin, PA-GF
Wave washer, POM

Application

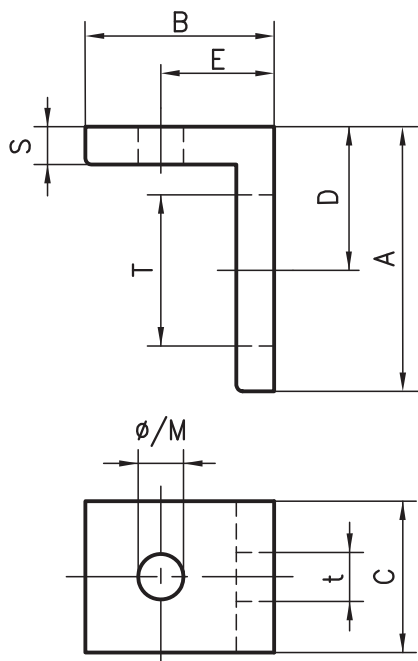
The rapid connection block is used to secure all sorts of panels in place up to 5mm in thickness. The rapid block can be attached to all 50/40/30 base extrusions without having to use any screws thanks to the corresponding base. The panel is then attached using only a plunger pin. It can be easily unscrewed by simply turning it a quarter turn.

Measurement data Order number

A	B	C	D	E	F	
Base 50						
19	25	9.5	8.5	16	to 5	A30-80
Base 40						
19	25	9.5	8.5	11	to 5	C30-80
Base 30						
18	25	11	4.5	8	to 5	B30-80



Attachment bracket



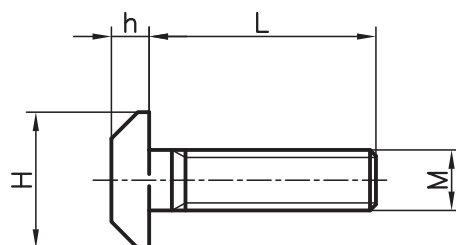
Application

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



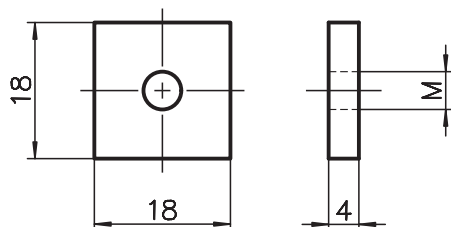
Order data									Order number	
A	B	C	D	E	S	Txt	Ø	Thread	Through-hole Ø	Thread M
45	45	20	25	25	5	20x6.5	6.2	M6	A30-76	A30-86
35	25	20	19	15	5	20x6.5	4.2	M4	A30-54	A30-64
35	25	20	19	15	5	20x6.5	5.2	M5	A30-55	A30-65
35	25	20	19	15	5	20x6.5	6.2	M6	A30-56	A30-66
25	25	15	14	15	4	13.5x6	3.2	M3	B30-53	B30-63
25	25	15	14	15	4	13.5x6	4.2	M4	B30-54	B30-64
25	25	15	14	15	4	13.5x6	5.2	M5	B30-55	B30-65
25	25	15	14	15	4	13.5x6	6.2	M6	B30-56	B30-66

Order data			Order number
MxL	H	h	
Extrusion base 40/50			
M8x20	18	5	A35-20
M8x25	18	5	A35-25
M8x30	18	5	A35-30
M8x40	18	5	A35-40
M8x60	18	5	A35-60
Extrusion base 40/50			
M6x18	16	4.5	C35-18
M6x25	16	4.5	C35-25
M6x30	16	4.5	C35-30
Extrusion base 30			
M6x15	13	4	B35-15
M6x20	13	4	B35-20
M6x30	13	4	B35-30
M6x40	13	4	B35-40

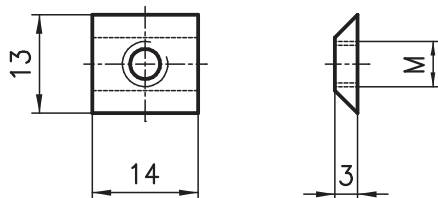
Further dimensions on request

Threaded plates

Extrusion base of 50



Extrusions base of 30 and 20



Application

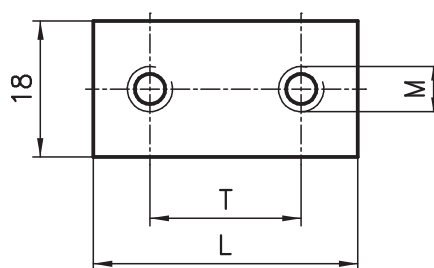
For attaching components which are anything up to medium weight. Threaded plates must be inserted into the front-end of the extrusion slots.

Specification

Threaded plates: Zinc-coated/stainless steel
Base 40/50 supporting cage: PP
Base 30 spring steel retaining spring

Double threaded plates

Extrusions base of 50 and 40



Measurement data

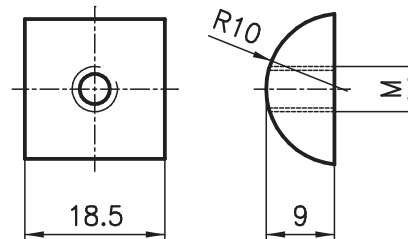
Extrusion base	L	T	M
50 / 40	45	30	M6
	30	18	M5

Application

The M6 double extrusion nuts are used for attaching hinges (page 173), M5 is used for arrester plate (page 180).

Halfround threaded plates Base 50

Extrusions base of 50

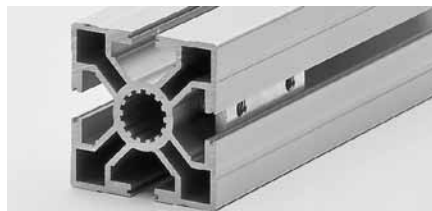


Application

Halfround threaded plates can only be used with 50 mm base extrusions. These plates are only available threaded M10.

Specification

zinc-coated steel

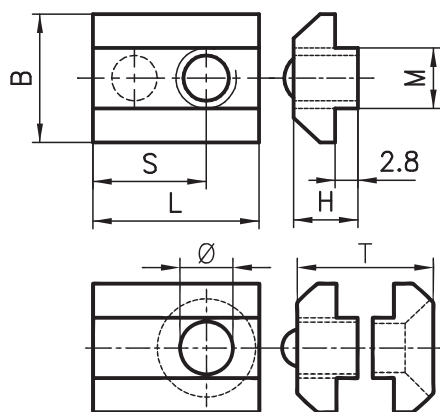


Order data	Order number	
Thread M	Extrusions base	
	50 / 40	30 / 20
M3	–	B32–30
M4	AC32–40 (–I)	B32–40
M5	AC32–50 (–I)	B32–50
M6	AC32–60 (–I)	B32–60
M8	AC32–80 (–I)	–
(–I=stainless steel)		

Order data	Order number
Double extrusion nuts	Extrusions base
Thread M	50 / 40
M5	A32–58
M6	A32–68

Order data	Order number
Halfround threaded plates	Extrusions base 50
Thread M	
M6	A32–61
M8	A32–81
M10	A32–91

Extrusion nuts Clamping nuts



Measurement data

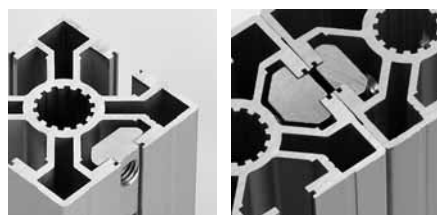
Extrusion base	B	H	L	S	T	Ø
50	18	12.2	25	15	-	-
40	17	8	22	15	-	-
50/50	18	12.2	25	15	23	6.5
50/40	18	12.2	25	15	23	6.5
40/40	17	8	25	15	19	6.5

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.

Specification

zinc-coated steel



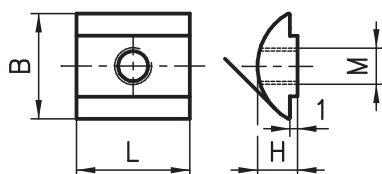
Order data

Order number

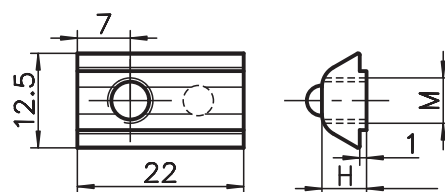
Extrusion nuts	Extrusion base		
Thread M	50	40	
M6	A32-63	C32-63	
M8	A32-83	C32-83	
M10	-	C32-93	
Clamping nuts	50/50	50/40	40/40
M6	A32-69	A32-69	C32-69

Light extrusion nuts

Extrusion base 50/30



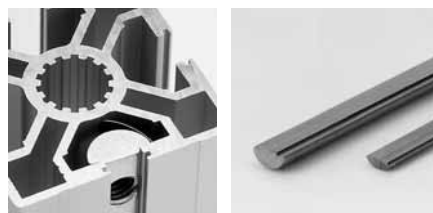
Extrusion base 40



Measurement data

Extrusion base	B	H	L
50	14	7.8	20
40	12.5	5.9	22
30	11	4.1	20

The advantage of the light extrusion nuts is that they can also be inserted diagonally into the extrusion slots. The disadvantage is that the tightening torques >12 N may result in dents in the aluminium extrusion. Raw steel bars are available if you wish to machine special nuts.



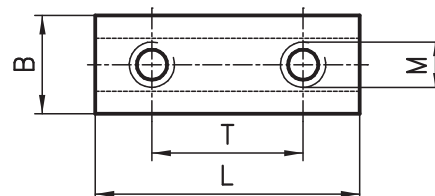
Order data

Order number

Light extrusion nuts	Extrusion base		
Thread M	50	40	30
M4	A32-45	C32-45	B32-45 (-I)
M5	A32-55 (-I)	C32-55 (-I)	B32-55 (-I)
M6	A32-65 (-I)	C32-65 (-I)	B32-65 (-I)
M8	A32-85 (-I)	C32-85 (-I)	B32-85* (-I)
Extrusion (raw)			
1.5 m	A32-52	C32-52	B32-52
	A32-12	C32-12	

* no full torque possible (I=Inox)

Double extrusion nuts



Measurement data

Double extrusion nuts

Extrusion base	B	H	L	T	M
50 (ball)	18	12.2	80	50	M8
40 (ball)	17	8	60	40	M8

Light double extrusion nuts

Extrusion base	B	H	L	T	M
50	14	7.8	40	30	M6
40 (ball)	13.6	5.9	40	30	M6
30	11	4.1	40	30	M6
30	11	4.1	30	18	M4

Application

Double extrusion nuts should be used with PVS threaded connectors where extremely high strength joints are required. Light double extrusion nuts are used for the assembly of hinges (page 137) and quick-release fasteners (page 180).



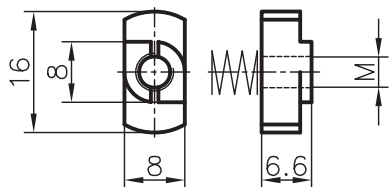
Order data

Order number

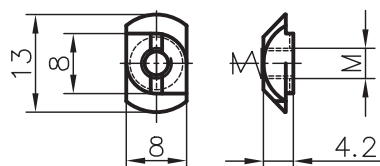
Double extrusion nuts	Extrusion base		
Thread M	50	40	30
M8	A32-84	C32-84	-
Light double extrusion nuts			
M6	A32-67	C32-67	B32-67
M4	-	-	B32-47

Hammer nuts

Base 50/40



Base 30/20



Application

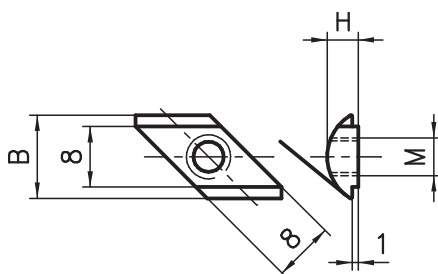
The spring and rhomboid nuts can be used for the same purpose as the threaded plates and the extrusion nuts. They can be inserted into the extrusion slot after assembly. The nuts can be spaced close together because they are only 8 mm wide. However, their load-bearing capability is clearly lower than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

Specification

Zinc-coated steel; retaining springs: spring steel



Rhomboid nuts



Measurement data

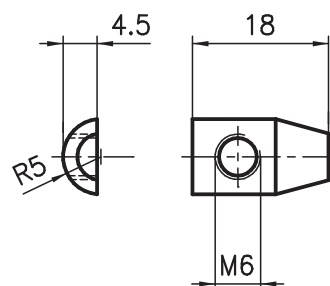
Extrusion base	B	H
50/40	13.6	5.9
30/20	11	4.1

Application

Zinc-coated steel



Anti-twist spigots



Application

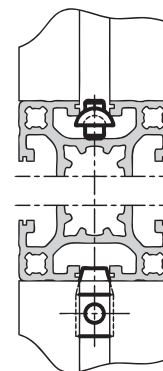
For all extrusions which are assembled with a PVS connector and which must not twist. The spigot can also be fitted to existing extrusions (does not apply to 20x20 extrusions).

Specification

Zinc-coated steel

Parts supplied

Spigot, adjusting screw

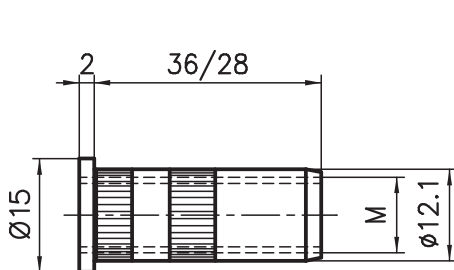


Order data	Order number	
	Extrusion base	
	50/40	30/20
Thread M	AC31-35	BD31-35
M3	AC31-45	BD31-45
M4	AC31-55	BD31-55
M5	AC31-65	BD31-65
M6		

Order data	Order number	
	Extrusion base	
	50/40	30/20
Thread M	-	BD31-30
M3	AC31-40	BD31-40
M4	AC31-50	BD31-50
M5	AC31-60	BD31-60
M6		

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

Threaded inserts

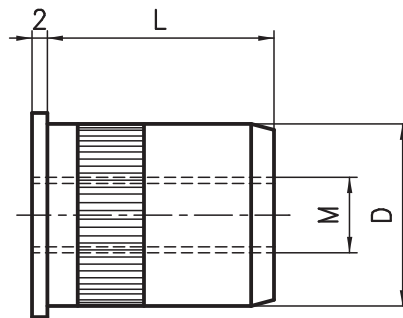


Application

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

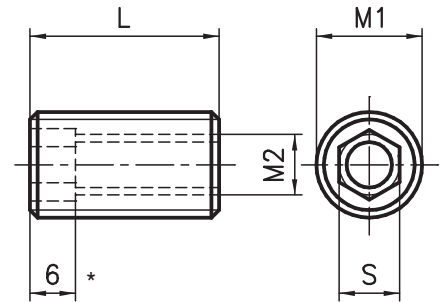


Application

Once the threaded insert has been pressed into the front side of extrusions B02-6/C03-4/, levelling feet or casters can be attached.

Specification

Raw aluminium



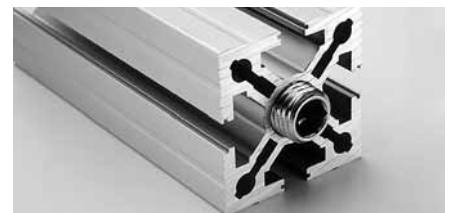
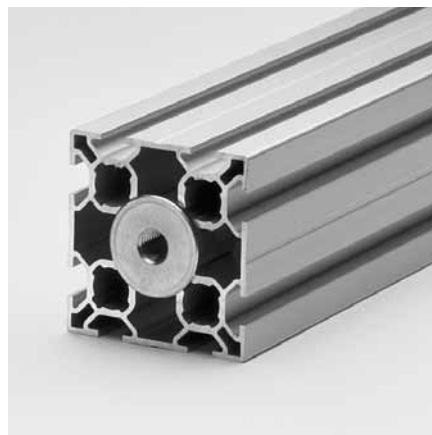
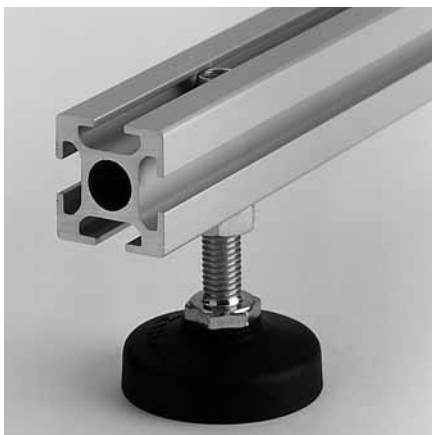
Application

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

Note that there is no thread around * the hexagon socket.

Specification

Zinc-coated steel



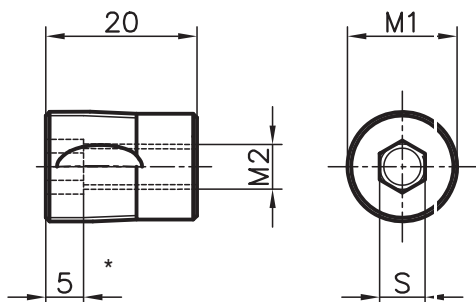
Order data	Order number	
	Extrusion base	
Thread M	50/40 (L=36)	30 (L=28)
M10	C33-20	B33-20
M8	C33-22	B33-22

Measurement data		Order number	
Thread		Extrusion type	
M	D	L	B02-6 C03-4
M10	ø 24.6	30	B33-60 -
M14	ø 24.6	30	B33-64 -
M16	ø 30	30	- C33-16
M10	ø 30.5	18	- -

Measurement data				Order number	
Thread				Extrusion base	
M1	M2	S	L	50/40	30
M16	M12	12	25	A33-12	
M16	M10	10	25	A33-20 (-I)	
M16	M8	8	25	A33-28 (-I)	
M16	M6	6	25	A33-26	
M14	M10	10	25		B33-21 (-I)
M14	M8	8	25		B33-28
M14	M6	6	25		B33-26

(-I=stainless steel)

Self-cutting threaded insert



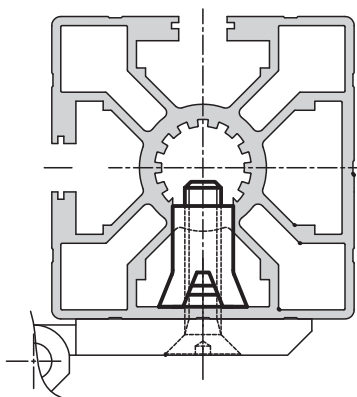
Application

The self-cutting threaded insert has the advantage that no machining is required in order to attach elements on the face. Connections subject to tensile stress are primarily only ideal. This means that attaching levelling feet or casters is not recommended.

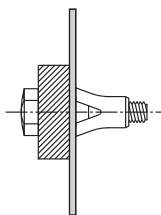
Note that there is no thread around * the hexagon socket.

Specification

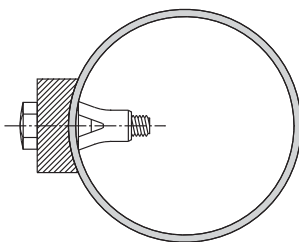
Zinc-coated steel



Attachment to extrusion



Attachment to sheets



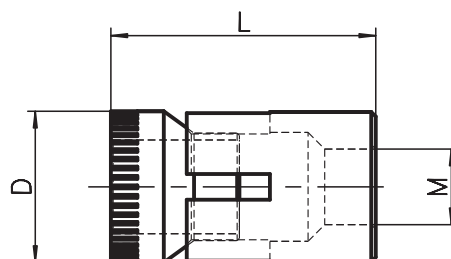
Attachment to tubes

Order data			Order number	
Self-cutting *				
Thread			Extrusion base	
M1	M2	S	50/40	30
M14.5	M6	6	A33-06	
M14.5	M8	8	A33-08	
M13	M5	6		B33-05
M13	M6	6		B33-06
M13	M8	8		B33-08

* Not suitable for casters/levelling feet



Threaded dowel



Application

The patented two-part dowel is securely anchored in the component during assembly by spreading apart whilst being flush with the surface.

The dowel is placed directly into the hole with the object. The circumferential knurling keeps the expanding cone in the hole flush with the surface, the sleeve expands as it is tightened (commercially available screw) against rotation to the rear of the extrusion.

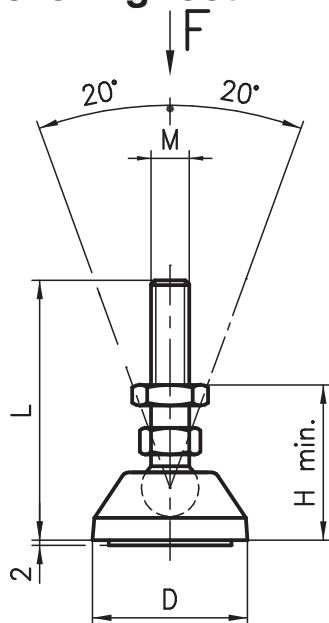
Specification

Zinc-coated steel

Order data		Order number	
Thread	Base	Hole ø	
M	D x L	50	
M5	8 x 22	A33-85	Ø8 x 21.5
M6	10 x 27	A33-86	Ø10 x 27
		50/40	
M8	13 x 28	A33-88	Ø13 x 28.5
		40/30	
M5	8 x 22	B33-85	Ø8 x 15
M6	10 x 27	B33-86	Ø10 x 18

Order data	Order number
Clamping tool for M8	E96-8

Levelling feet



Application

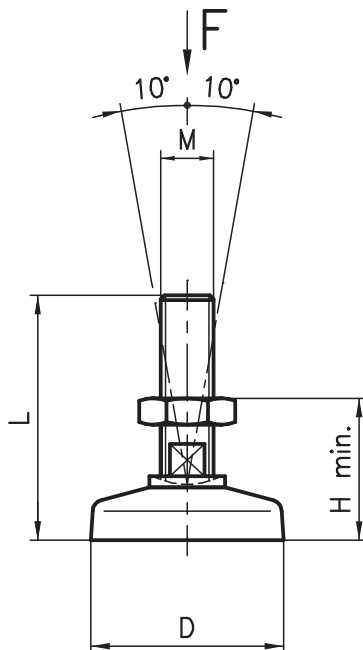
Cup: glass-filled Polyamide (PA-GF) black
Bolt/locknut: 8.8 steel, zinc-coated
Anti-slide pad: NBR rubber



Order data Order number

MxL	D	H	F	
M6x57	19	25	500 N	B43-02
M10x75	29	30	2000 N	B43-10
M10x75	39	30	3000 N	B43-11
M10x75	49	30	3000 N	B43-12
M16x155	39	40	8000 N	B43-16

Other dimensions or special feet are available on demand.



Application

These continuously variable levelling feet are used for many different applications. The cup is attached in such a way as to compensate for uneven floors.

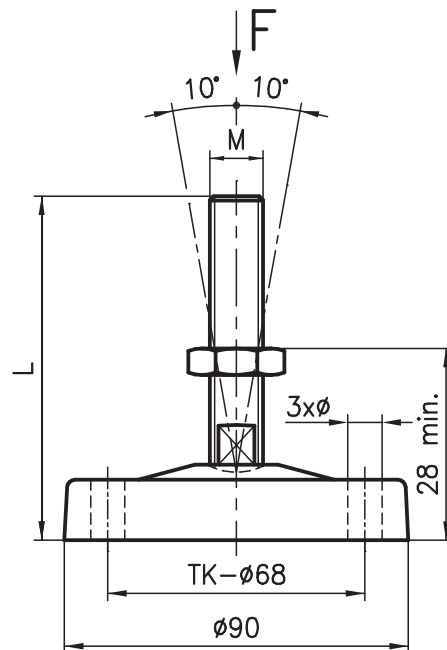
Specification

Cup: PA-GF black
Bolt/locknut: 8.8 steel, zinc-coated



Order data Order number

MxL	D	H	F	
M10x70	50	30	2500 N	B42-50
M10x122	50	30	2500 N	B42-00
M14x65	50	25	3000 N	B42-54
M14x115	50	25	3000 N	B42-14
M16x65	50	25	3500 N	B44-50
M16x115	50	25	3500 N	B44-00



Specification

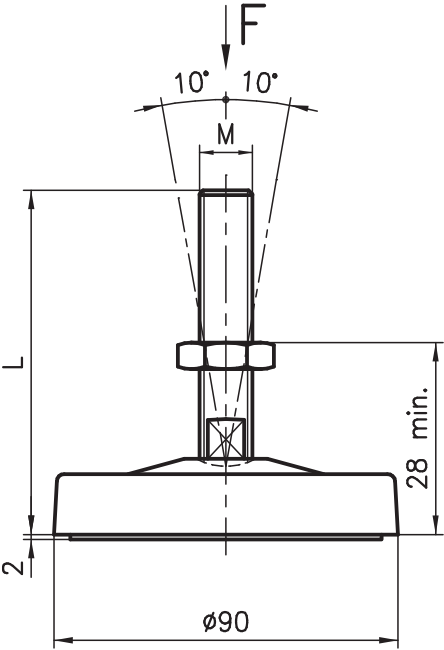
Cup: PA-GF black or aluminium
bolt : 8.8 steel, zinc-coated



Order data Order number

MxL	Ø	F	PA-GF	Aluminium
M14x70	9	4000 N	B45-54	B45-55
M14x120	9	4000 N	B45-14	B45-56
M16x70	9	5000 N	B45-50	B45-03
M16x120	9	5000 N	B45-00	B45-04
M14x70	9	8000 N		B45-51
M14x70	-	8000 N		B45-52
M14x120	9	8000 N		B45-01
M14x120	-	8000 N		B45-02
M16x70	9	10'000 N		
M16x70	-	10'000 N		
M16x120	9	10'000 N		
M16x120	-	10'000 N		

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.

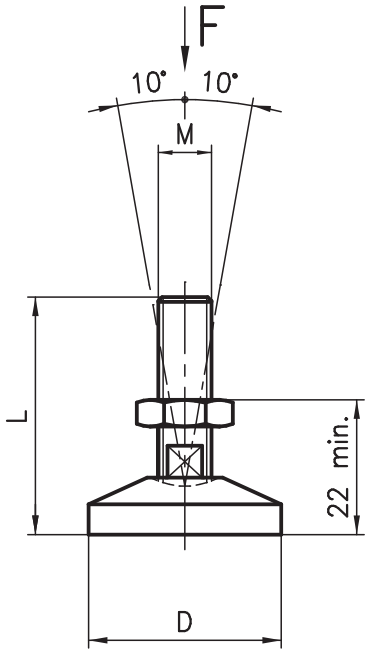
Specification

Cup: aluminium
Roundel: ø 80x18
Multi-layer, non-slip, vibration-absorbent, composite structure.
Bolt: 8.8 steel, zinc-coated

Order data		Order number
MxL	F	
M14x70	5000 N	B45-56-D
M14x120	5000 N	B45-04-D
M16x70	5000 N	B45-52-D
M16x120	5000 N	B45-02-D



Electrically conductive levelling feet



Application

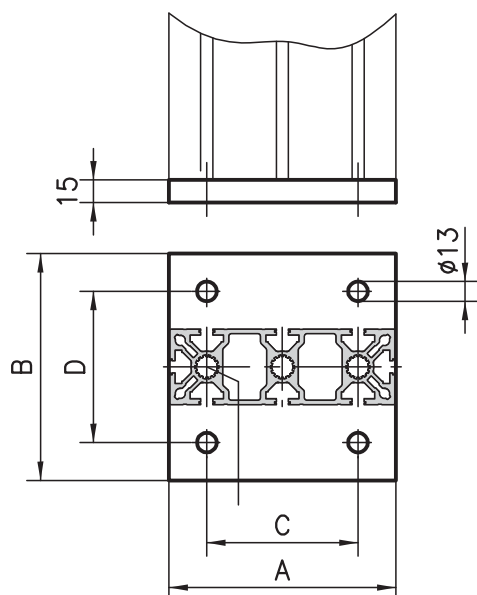
It is essential to use these levelling feet in applications where electrostatic charges must be earthed. (See also PVS connectors with electrical bonding)

Specification

Cup: aluminium raw
Bolt: aluminium raw

Order data		Order number	
MxL	D	F	
M14x65	30	3000 N	B42-54-P
M16x115	50	3500 N	B44-00-P
M16x115	30	3500 N	B44-54-P

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

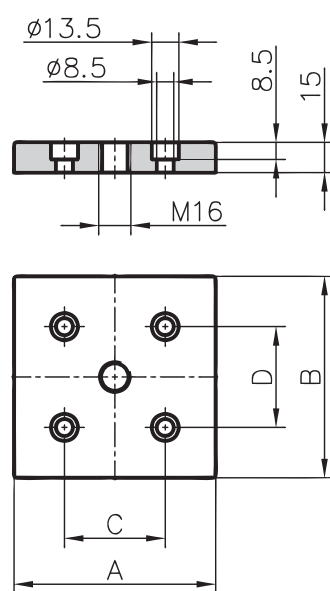
Steel, gunmetal finish

Fixing kit*

Bolt(s) M16x30



Foot plates



Application

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

Specification

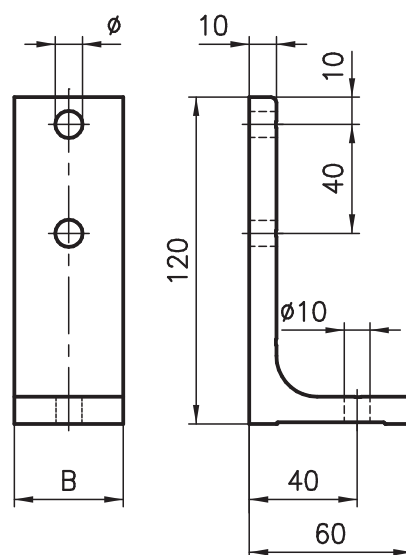
Aluminium, anodised in natural colours

Fixing kit*

Screws and threaded inserts



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
Extrusion	A	B	C	D	
50x50	150	50	120	–	A47–50*
50x150	150	150	100	100	A47–70*
100x100	200	100	150	70	A47–80*
40x40	120	40	90	–	C47–40*
80x80	150	80	120	50	C47–80*

* Fixing kit: add –S to the order number
Example: A47–50–S

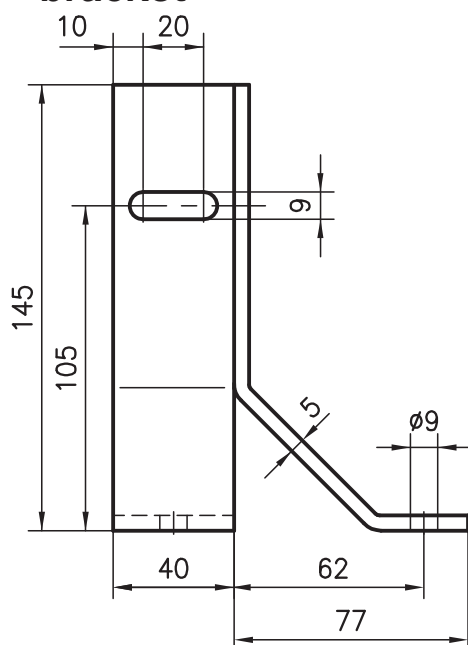
Order data					Order number
Extrusion	A	B	C	D	
100x100	100	100	50	50	A80–20*
80x80	80	80	40	40	C80–20*
40x80	40	80	–	40	C80–24*

* Fixing kit: add –S to the order number
Example: A80–20–S

Order data				Order number
Extrusion base	B	ø		
50/40	40	8.5		A47–00*
30	30	6.5		B47–00*

* Fixing kit: add –S to the order number
Example: A47–00–S

Double 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 (Ø 90). The double bolting bracket also secures the supporting extrusions in two directions.

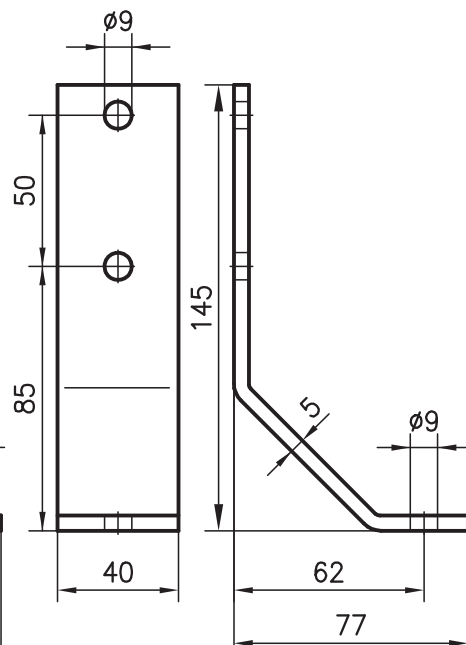
Specification

Steel, powder-coated in black



Order data	Order number
Double bolting bracket	A47-20(-S)*

Single bolting bracket



Application

For easy fixing to the floor. As with the double bolting bracket, this single bolting bracket can be combined with a levelling foot.

Specification

Steel, powder-coated in black

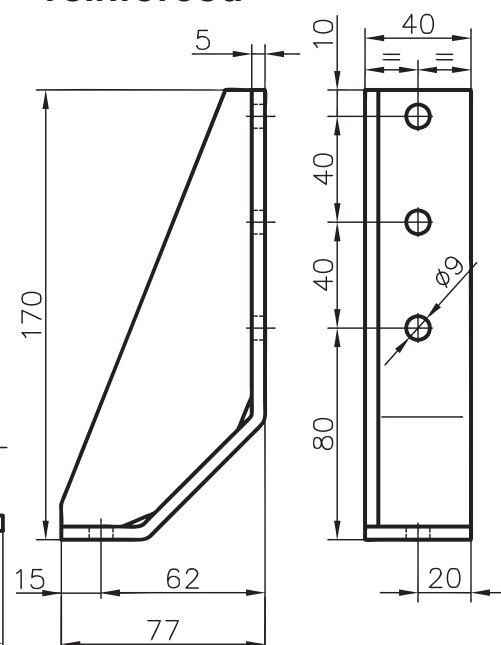
Fixing kit*

- 2 screws
- 2 (3) threaded plates
- 2 washers

*Fixing kit: add -S to the order number

Order data	Order number
Single bolting bracket	A47-21(-S)*

Single bolting bracket reinforced



Application

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

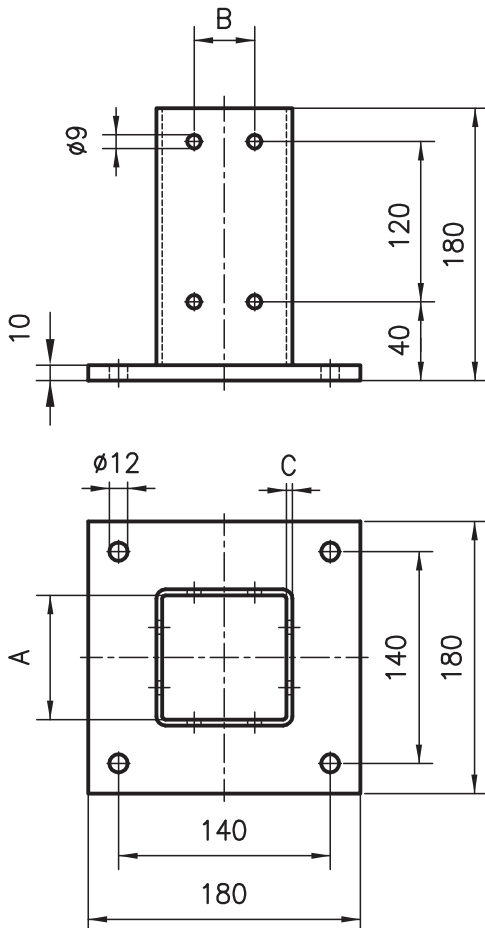
Specification

Steel, powder-coated in black



Order data	Order number
Single bolting bracket	A47-22(-S)*

Leg bolt-down socket

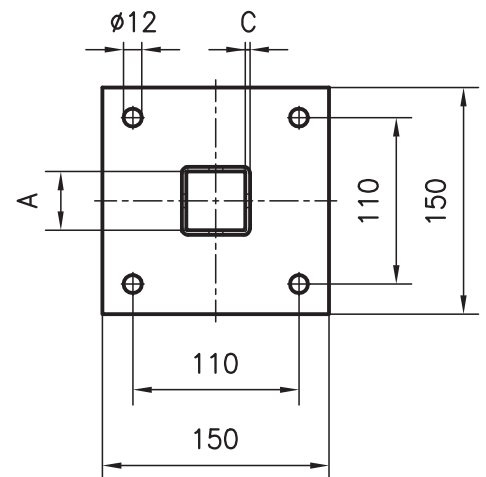
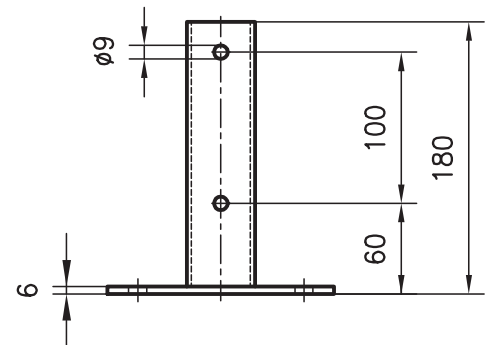
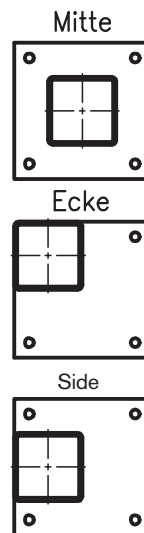


Application

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)

8 cylinder screws, 8 threaded plates
8 washers



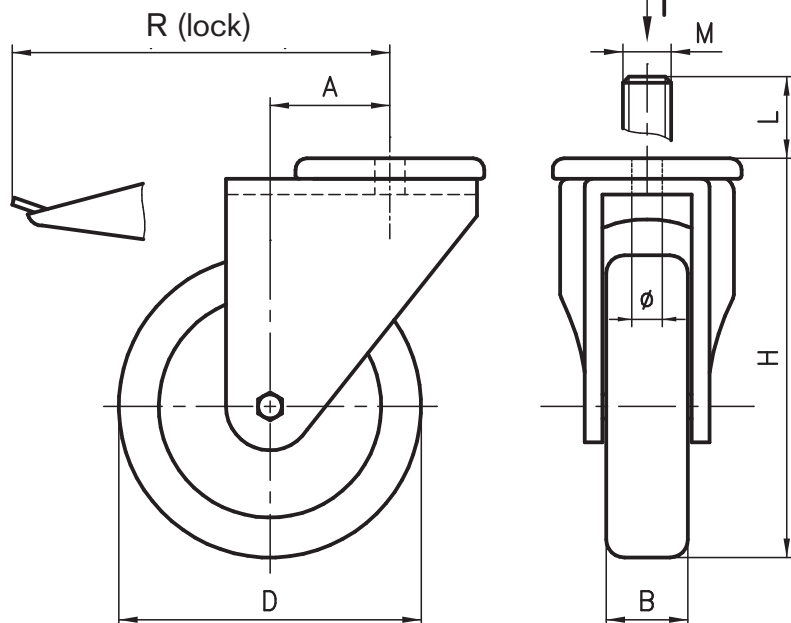
Fixing kit*

(applies to all types)

4 cylinder screws, 4 threaded plates,
4 washers

Order data					Order number	Order data					Order number
	A	B	C	Type			A	B	C	Type	
Extrusion 80x80	82	40	4	Middle	C47-36	Extrusion 40x40	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
						Extrusion 50x50	52	–	4	Middle	A47-32
										Corner	A47-33
										Side	A47-34
						*Fixing kit					A47-32-S

Castors



Application

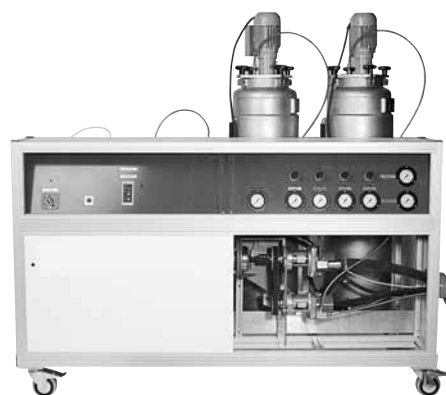
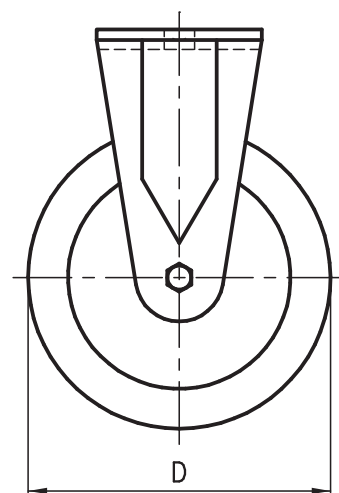
Can be used in any application where mobility is required. There are four diameters of wheels available (with or without locks) depending on the load capacity required. Swivel and non-swivel castors have the same load capacity. (F) The castors can be simply attached to the extrusions either with an M10 bolt or by means of an M16 / 14x25 threaded stud. range of application -17° to +60°C

Specification

Fork : Zinc-coated steel,
Ball bearing
Wheel: Rubber tyre 87° Shore,
Ball bearing
with «fender» made of POM light gray



Non-swivel castors



Order data							Order number	
	D	B	H	A	R	Ø / MxL	F	
Castor	50	18	69	24	72	Ø 10.3	400 N	no lock
Castor	50	18	69	24	72	M14x25	400 N	with lock
Castor	75	25	100	24	85	Ø 10.3	700 N	B48-50
Castor	75	25	100	24	85	M14x25	700 N	B49-50
Castor	100	32	135	44	118	Ø 10.3	800 N	B48-54
Castor	100	32	135	44	118	M16x25	800 N	B49-54
Castor	100	32	135	44	118	Ø 10.3	800 N	B48-75
Castor	100	32	135	44	118	M16x25	800 N	B49-75
Castor	100	37	124	36	118	Ø 10.3	1200 N	B48-74
Castor	100	37	124	36	118	M16x25	1200 N	B49-74
Castor	100	37	124	36	118	Ø 10.3	1200 N	B48-100
Castor	100	37	124	36	118	M16x25	1200 N	B49-100
Castor	100	37	124	36	118	Ø 10.3	1200 N	A48-100
Castor	100	37	124	36	118	M16x25	1200 N	A49-100
Castor	100	37	124	36	118	Ø 10.3	1200 N	B48-101
Castor	100	37	124	36	118	M16x25	1200 N	B49-101
Castor	100	37	124	36	118	Ø 10.3	1200 N	A48-101*
Castor	100	37	124	36	118	M16x25	1200 N	A49-101*
Castor	125	32	160	40	118	Ø 10.3	1000 N	B48-125
Castor	125	32	160	40	118	M16x25	1000 N	B49-125
Castor	125	32	160	40	118	Ø 10.3	1000 N	A48-125
Castor	125	32	160	40	118	M16x25	1000 N	A49-125

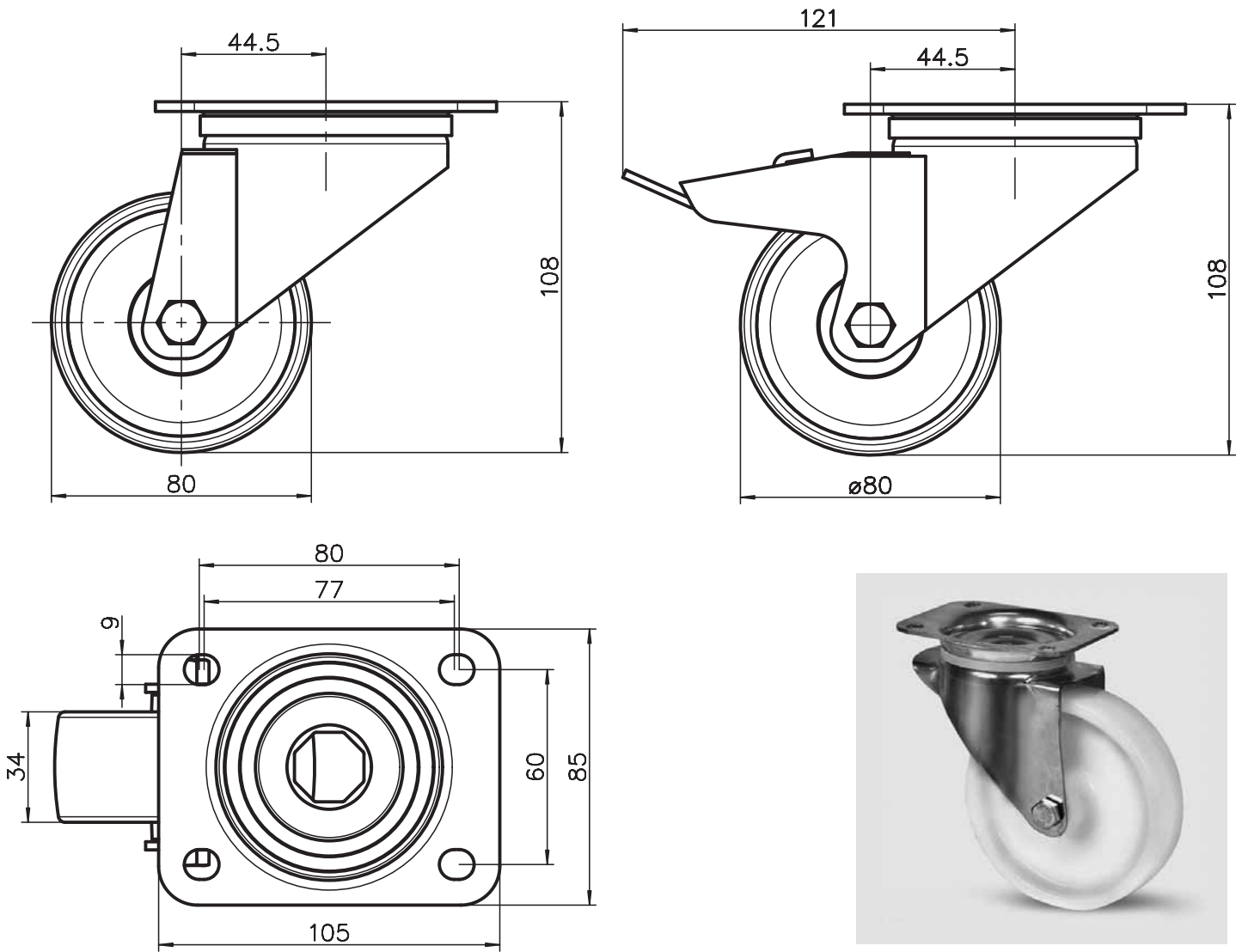
For load of >800N we recommend castors with PO-wheels.

* PO wheels

Castors with PO-Wheels and other sizes, heavy duty and anti-static castors are available on request.

Order data				Order number	
	D	B	H	Ø / MxL	
Non-swivel castors	75	22	97	Ø 10.3	B48-77
Non-swivel castors	75	22	97	M14x25	B48-78
Non-swivel castors	100	25	132	Ø 10.3	B48-107
Non-swivel castors	100	25	132	M16x25	A48-108
Non-swivel castors	125	32	158	Ø 10.3	B48-127
Non-swivel castors	125	32	158	M16x25	A48-128

Casters with backplate



Application

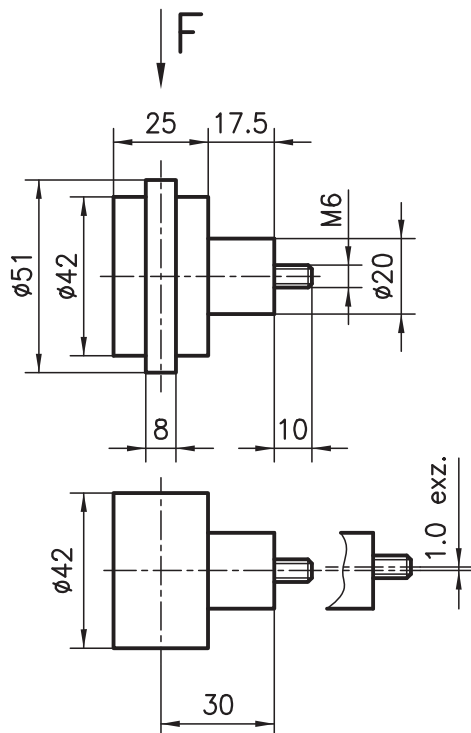
These casters with backplate can be screwed directly into the extrusion slot. Can even be used on workstations or storage racks, any application where mobility is required.

Specification

Fork: zinc-coated steel, ball bearing
Wheel: PO, ball bearing

Order data		Order number	
Caster	F	without lock	with lock
	2000 N	B48-80	B48-81

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.

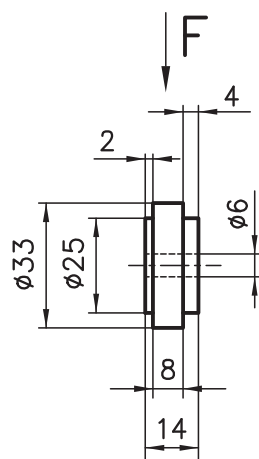
Insert the guide flange into the extrusion slot. Fit the flat roller onto the other side. This creates the perfect trolley/rail combination independent of the extrusion tolerance.

Specification

Plastic roller, ball
bearing mounted,
steel spacer,
gunmetal finish
Radial load
 $F = 500 \text{ N}$



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

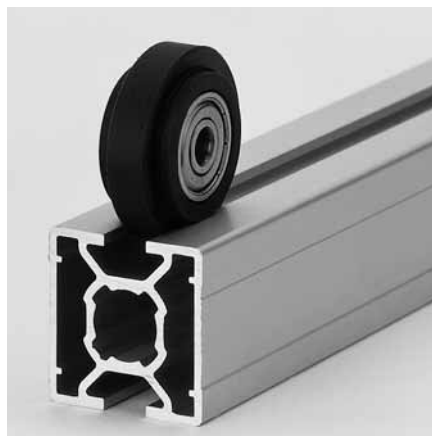


Application

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.

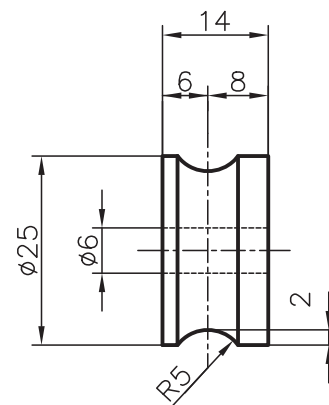
Specification

PA 6 black
2 deep groove ball bearings with cover
disks
 $F = 150 \text{ N}$



Order data	Order number
Roller PA	B48-05

Concave roller



Application

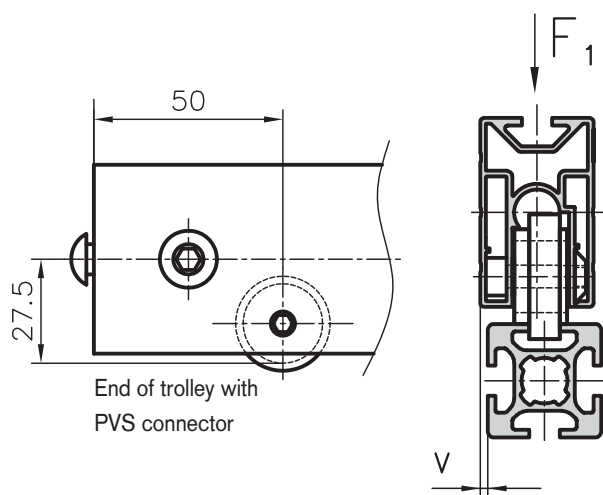
This ball bearing-mounted roller is mainly used in an assembly with the trolley extrusion. It can however also be attached directly to any extrusion. The corresponding aluminium guide extrusion type B19-8 is used to produce an inexpensive roller guide in next to no time.

Specification

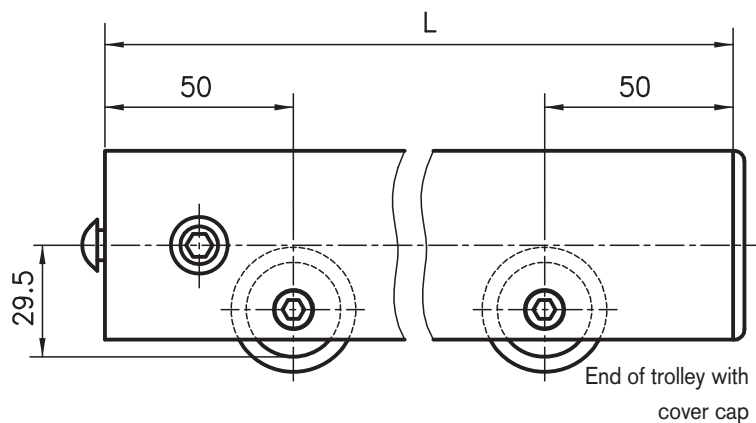
Plastic PA 6 black
2 deep groove ball bearings with cover
disks
 $F = 150 \text{ N}$

Order data	Order number
Roller, concave	B48-10

Concave double-wheeled trolley



Double-wheeled trolley



Application

A wide range of different applications is possible with the double-wheeled 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, the spaces between rollers should not exceed 1000 mm for large trolleys.

Trolleys are also available with more than 2 rollers.

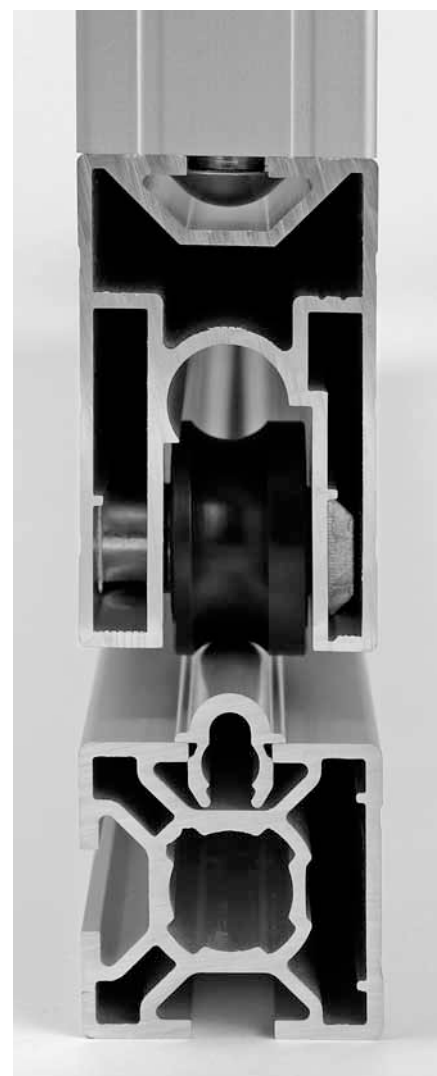
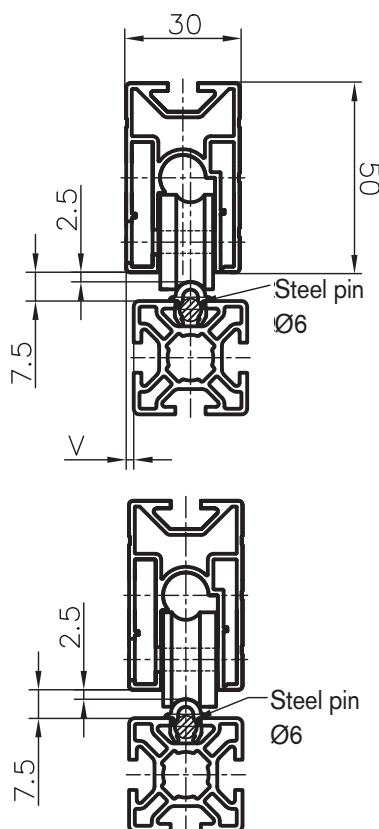
Using the concave rollers, together with the aluminium extrusion guide B19-8 on page 113, it is easy to produce easy cleaning guides.

Parts supplied

Aluminium extrusion with ≥ 2 rollers.

PVS connector and/or cover caps fitted.

End of trolley with PVS connector

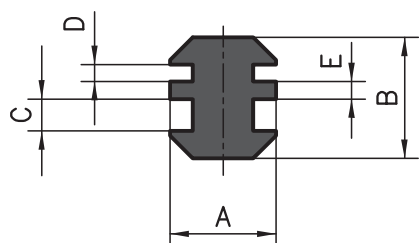


Order data

Order number

		v = 0 mm	v = 2 mm
Double-wheeled trolley	L= ... with cover caps	B37-52-02-02/...	B37-53-02-02/...
Double-wheeled trolley	L= ... with PVS connector	B37-52-10-10/...	B37-53-10-10/...
Concave double-wheeled trolley	L= ... with cover caps	B37-12-02-02/...	B37-13-02-02/...
Concave double-wheeled trolley	L= ... with PVS connector	B37-12-10-10/...	B37-13-10-10/...

Plastic slide extrusions



Specification

Black PE

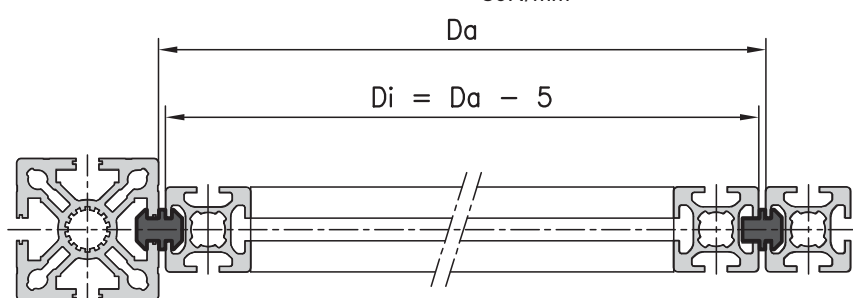
Sliding friction coefficient: 0,2

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

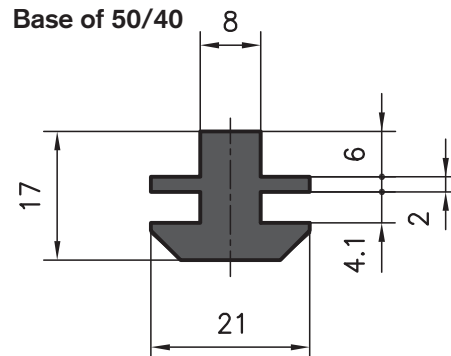


Application

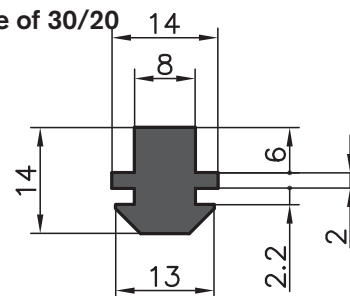
Ideal for any shape of slide guide, for instance for sliding doors or drawer runners. Simply push the slide extrusion into the aluminium extrusion slots – you can create a perfect, hard-wearing guide as easily as that.

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

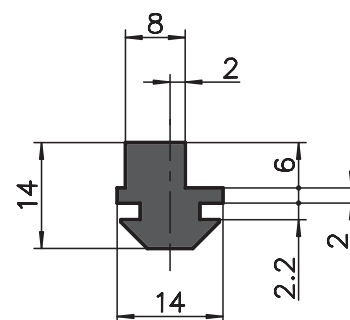
Base of 50/40



Base of 30/20



Base of 30/20 with offset



Order data

Order number

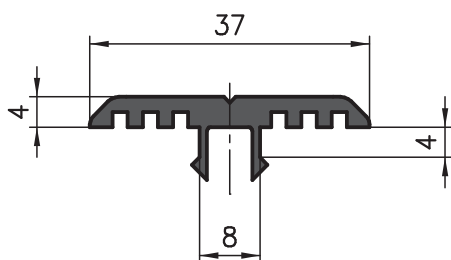
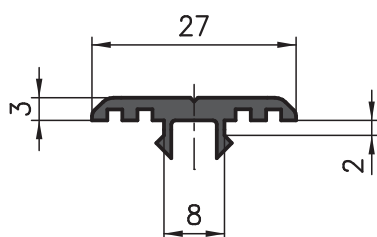
Plastic slide extrusion	Base of 50 / 40
Standard length 5000 mm	A39-00-00/5000
Cut to length	A39-00-02-02/ ...
Plastic slide extrusion	Base of 50 / 40 - 30 / 20
Standard length 5000 mm	AB39-00-00/5000
Cut to length	AB39-00-02-02/ ...
Plastic slide extrusion	Base of 30 / 20
Standard length 5000 mm	B39-00-00/5000
Cut to length	B39-00-02-02/ ...

Order data

Order number

Plastic slide extrusion	Base of 50/40
Standard length 5000 mm	A39-05-00/5000
Cut to length	A39-05-02-02/...
Plastic slide extrusion	Bases of 30/20
Standard length 5000 mm	B39-05-00/5000
Cut to length	B39-05-02-02/...
mit 2mm Versatz	
Standard length 5000 mm	B39-02-00/5000
Cut to length	B39-02-02-02/...

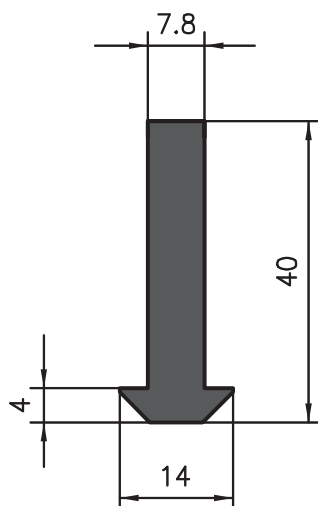
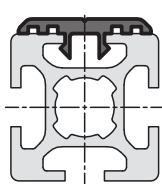


Base of 50/40**Base of 30****Application**

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

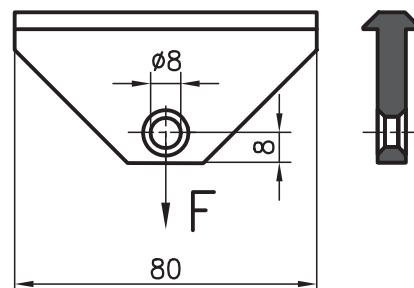
PP with Talkum 30%, black

**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: $F = 300 \text{ N}$

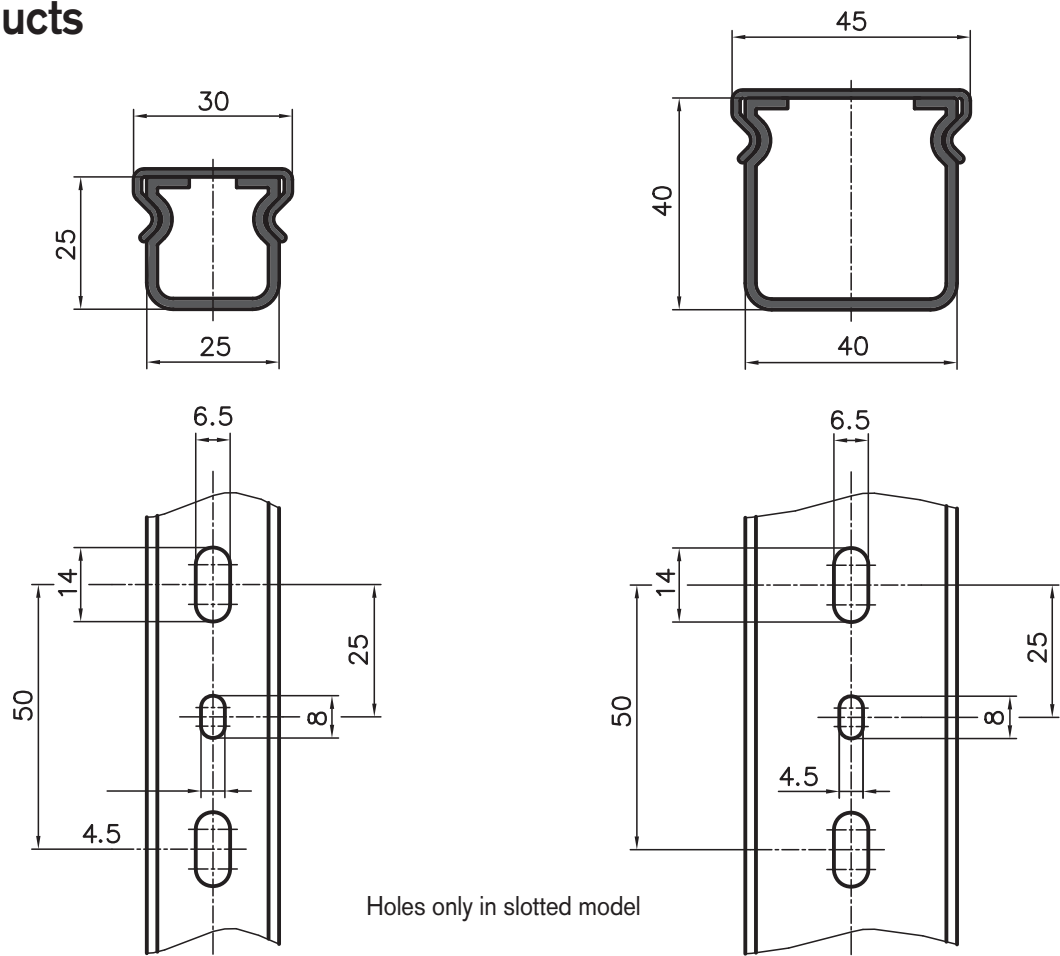
Spring hook: chromium-plated steel

Order data	Order number
Plastic slide extrusion	Base of 50/40
Standard length 5000 mm	AC39-20-00/5000
Cut to length	AC39-20-02-02/...
Plastic slide extrusion	Base of 30
Standard length 5000 mm	B39-20-00/5000
Cut to length	B39-20-02-02/...

Order data	Order number
Plastic slide extrusion	Base 50/40/30/20
Standard length 5000 mm	A69-0-00/5000
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 onto the extrusions and are secured using either the retaining clips (see page 125) or extrusion nuts available. 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

Order data		Order number	
Cable ducts		closed	slotted
40mm wide cable duct	standard length	C38-00-00/2000	C38-01-00/2000
	Cut to length	C38-00-02/...	C38-01-02/...
25mm wide cable duct	standard length	B38-00-00/2000	B38-01-00/2000
	Cut to length	B38-00-02/...	B38-01-02/...

Other dimensions on demand

Aluminium cable ducts 40x40, 40x80, 80x80

Application

The cable ducts can be placed directly on- to the extrusions and secured using scr-ews and threaded plates / extrusion nuts. The duct is easy to open or close any time as it is fitted with a press-on cover.

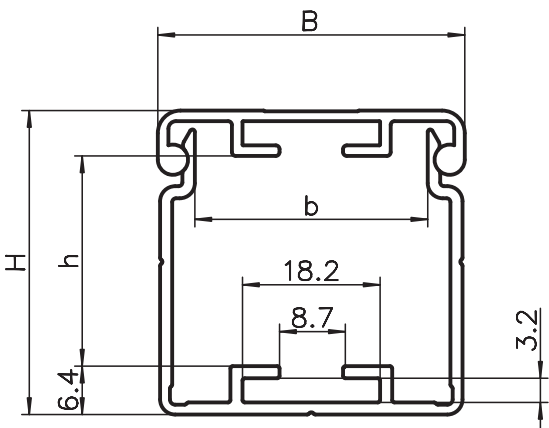
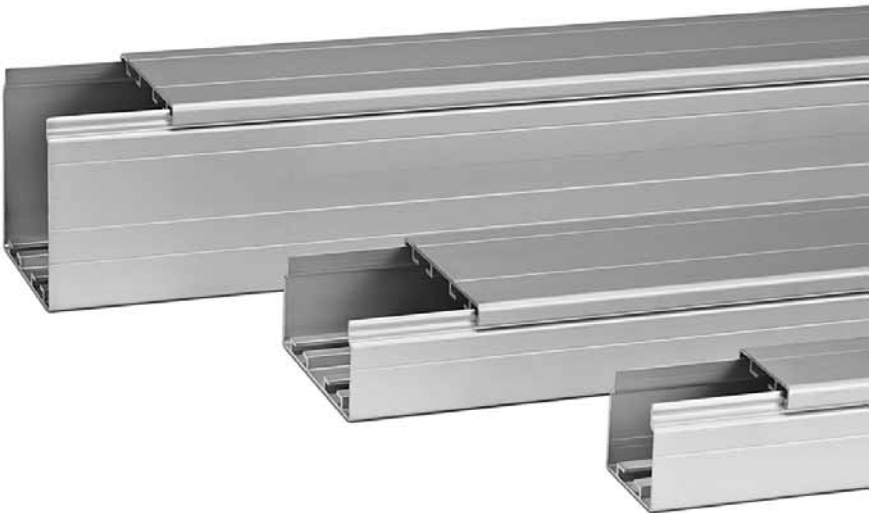
Description

Size 40x40mm, 40x80 and 80x80

Specification

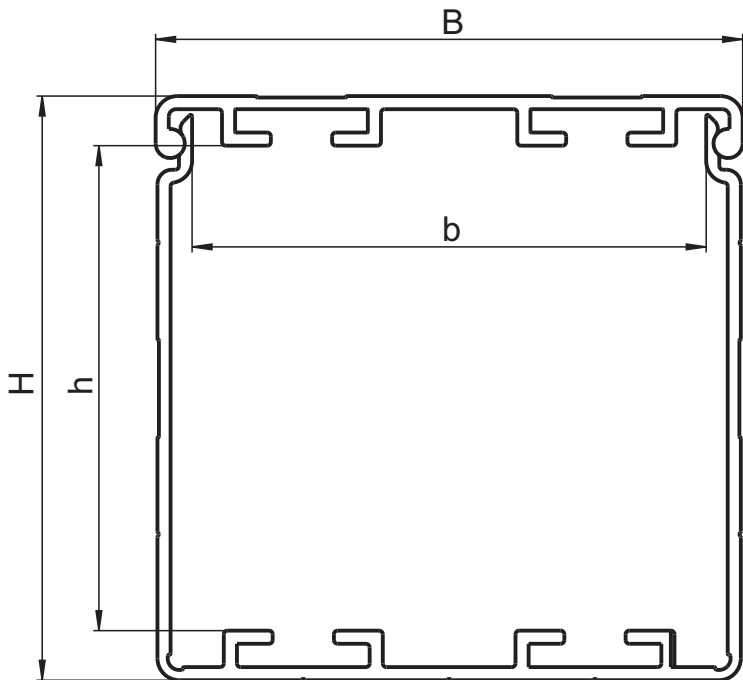
Anodised aluminium

Aluminium cable duct with cover



Dimension

HxB	b	h	Slot
40x40	30.8	27.8	1
40x80	70.5	27.8	2
80x80	70.5	66.5	2



Order data	Order number
Aluminium cable duct 40x40 (B=40, H=40) incl. cover	
Standard length 6000 mm	C38-11-00/6000
Cut to length	C38-11-02-02/...

Order data	Order number
Aluminium cable duct 40x80 (B=80, H=40) incl. cover	
Standard length 6000 mm	C38-21-00/6000
Cut to length	C38-21-02-02/...

Order data	Order number
Aluminium cable duct 80x80 (B=80, H=80) incl. cover	
Standard length 6000 mm	C38-31-00/6000
Cut to length	C38-31-02-02/...

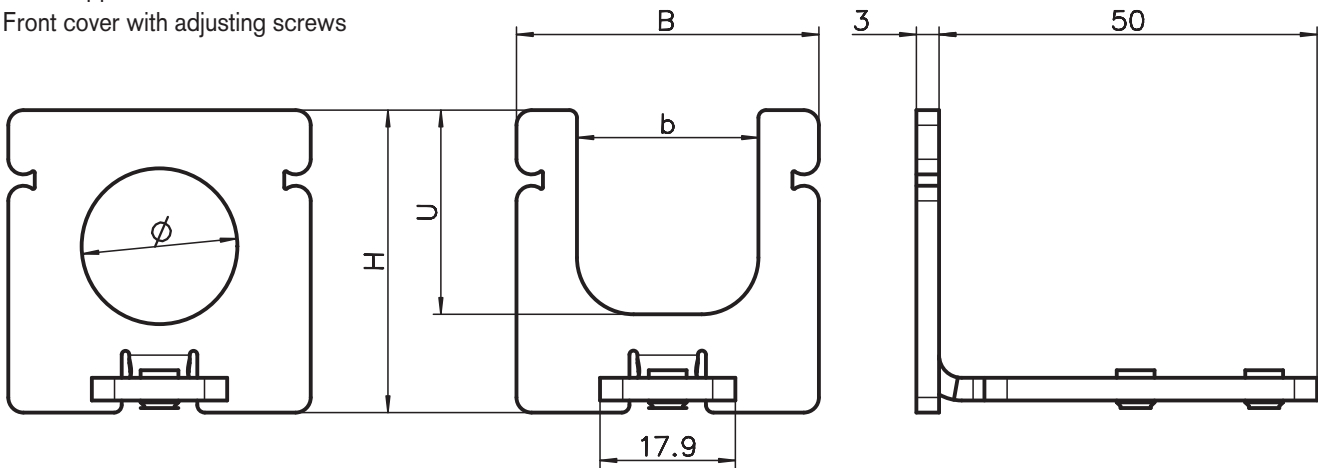
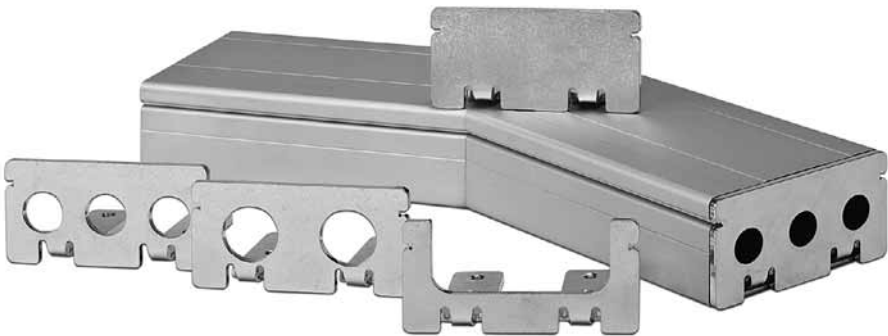
Front cover

Application

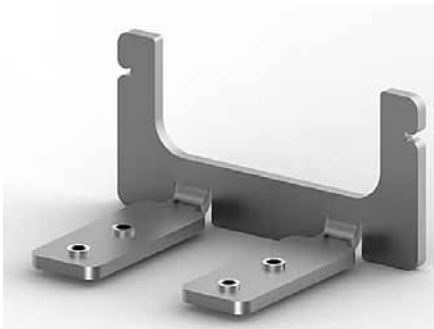
A range of different covers and designs are available for the aluminium cable ducts 40x40, 40x80 and 80x80 to cover the open cross-sections. Available with or without outlet holes for possible cable passage.

Specification: Zinc-coated steel

Parts supplied:
Front cover with adjusting screws



Design with Ø 40x40



Design with U-shape 40x80



Closed design 80x80

Design 40x40	Order number
closed	C38-14
U-shape 24x27mm (Uxb)	C38-15
1x Ø20.6	C38-18

Design 40x80	Order number
closed	C38-24
U-shape 26x60mm (Uxb)	C38-25
3x Ø16	C38-26
2x Ø20.6	C38-28

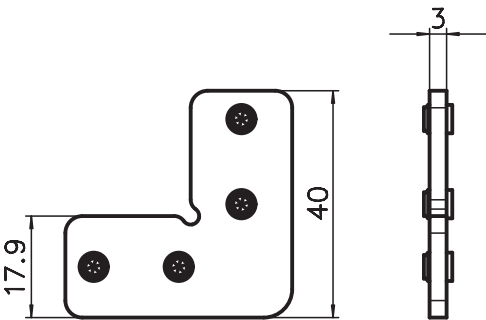
Design 80x80	Order number
closed	C38-34
U-shape 60x66mm (Uxb)	C38-35
4x Ø16	C38-36
4x Ø20.6	C38-38

Cable duct connector

Application

The connectors are used to extend the cable ducts and create a 90° mitred connection (other angles on request). 2 connectors are required for the aluminium cable ducts 40x80 and 80x80. The threaded pins used to fix the ducts are included with the parts supplied.

Specification: zinc-coated steel
Adjusting screws: M5



Connector, straight



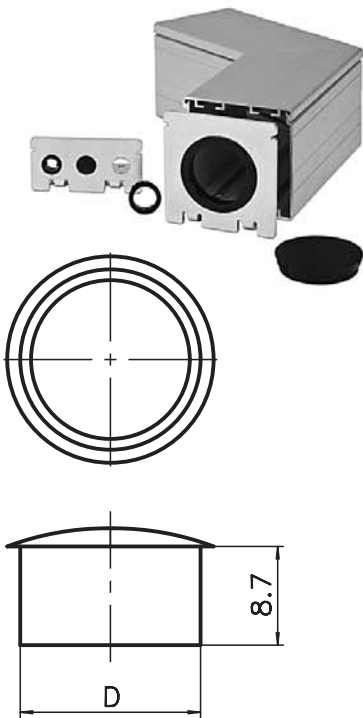
Connector, 90°, other angles on request

Order data	Order number
Connector, 90°	C38-90
Connector, straight	C38-91

Covering cap for front cover

Application

The covering cap is used to cover unnecessary openings on the front plates.



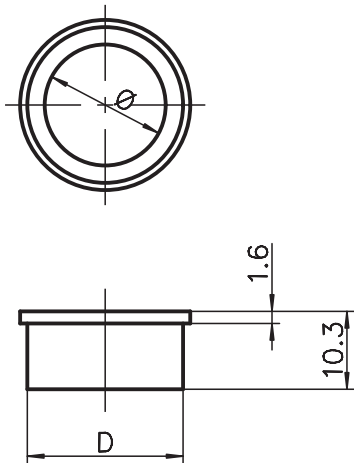
Plastic, black

Order data	Order number
Ø 16	C38-46
Ø 20	C38-47

Cable passage to front cover

Application

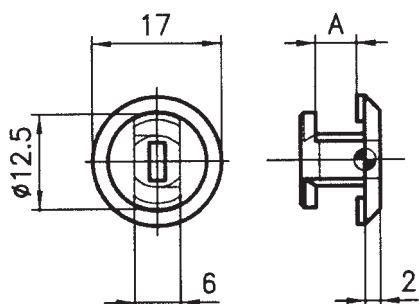
This edge protection is used at places where cables need to be fed through the cable duct on the front face. Available for the relevant holes in the front covers.



Plastic, black

Order data	Order number
D= 16 Ø 12.7	C38-56
D= 20 Ø 16	C38-57

Retaining clips



Application

The quarter turn retaining clips allow the easy fixing of either cable ducts or thin sheet material onto the extrusions Base 50, 40 and 30.

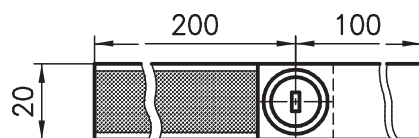
Specification

PA-GF, black

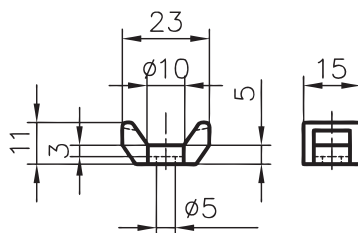


Order data	Order number
Retaining clips A = 5.5	AC38-20
Retaining clips A = 3.5	B38-20

«Velcro» Cable ties



tie wrap «base»



Application

This universal cable tie is made from a combination of Velcro material and a retaining clip. The Velcro can be cut to length with scissors. The quarter turn retaining the clip ensures easy fixing to the extrusions Base 50.40 and 30.

On the tie-wrap-base you can fix standard tie wraps. Fix with a M5-screw

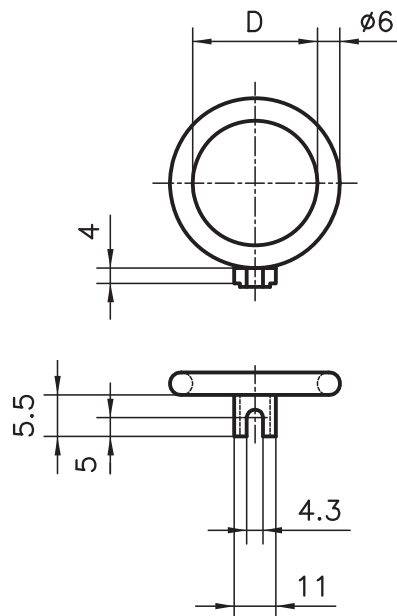
Specification

Clips: glass-filled Polyamide
(PA-GF) black
Ribbon: Velcro black
Tie wrap Base: PA black



Order data	Order number
	Extrusion base
Cable ties «Velcro»	50/40 30 B50-50 B50-53
Tie wrap «Base»	50/40/30/20 B50-55

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.

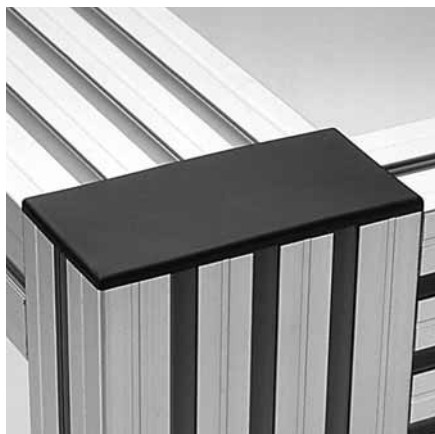
Specification

PA-GF, black



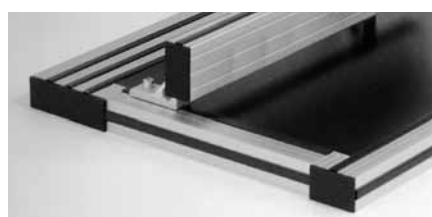
Order data	Order number
D	
Installation ring Ø 18	B50-20
Installation ring Ø 33	B50-30

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. Two end caps can be used together to cap off larger extrusions, eg extrusion 80x120 uses two 40x120 end caps.



Specification

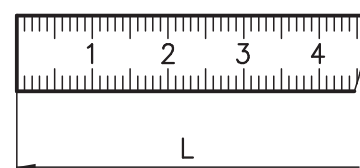
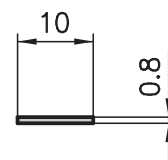
PA-GF, black / -G grey

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

Order data	Order number
End caps 50x50	A40-10 (-G)
End caps 50x50	A40-19 (extr. A19-1)
End caps 50x45°	A40-80
End caps 50x100	A40-20 (-G)
End caps 50x150	A40-30
End caps 100x100	A40-50 (-G)
End caps 40x40	C40-10 (-G)
End caps 40x40	C40-83 (extr. C03-8)
End caps 40x45°	C40-80 (extr. C02-8)
End caps 40x45°	C40-84 (extr. CE4-4)
End caps 40x80	C40-30 (-G)
End caps 40x120	C40-90
End caps 80x80	C40-20 (extr. C01-2)
End caps 80x80	C40-40 (-G)

Order data	Order number
End caps 30x30	B40-30 (-G)
End caps 30x30	B40-10 (extr. B01-1)
End caps 30x30	B40-80 (extr. B01-8)
End caps 30x30°	B40-33
End caps 30x45°	B40-45
End caps 30x60°	B40-66
End caps 30x50	B40-90
End caps 30x60	B40-60 (-G)
End caps 30x95	B40-50
End caps 30x100	B40-20
End caps 30x120°	B40-40
End caps 30 8-Kt.	B40-15
End caps 60x60	B40-65
End caps 20x20	D40-30 (-G)
End caps 20x20	D40-80 (extr. D03-8)
End caps 20x47	D40-20
End caps 20x40	D40-60
End caps 20x150	D40-19
End caps 20 oct.	D40-10

Aluminium filler strip

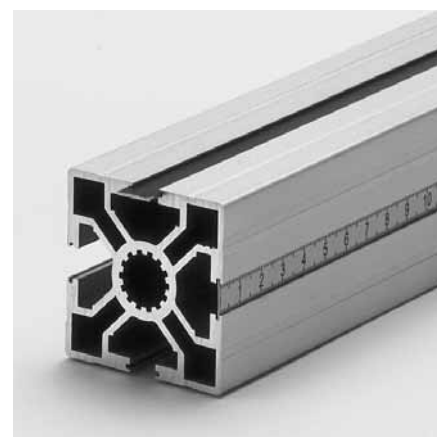


Application

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).

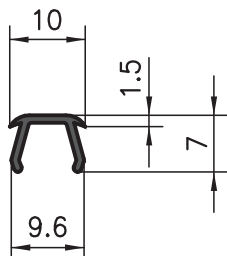
Specification

Aluminium 0.8x 10
anodised or black
anodised with millimetre scale



Order data	Order number
Filler strip	black
L = 1000 mm	A39-10
L = 2000 mm	A39-12
Filler strip	anodised mm-scale
L = 1000 mm	A39-15 A39-16
L = 2000 mm	A39-17 A39-18

PVC filler strips



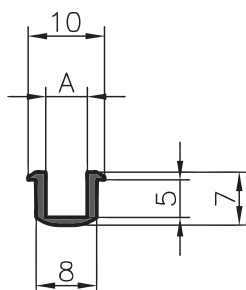
Application

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

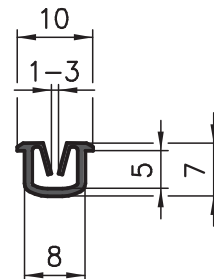


Application

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

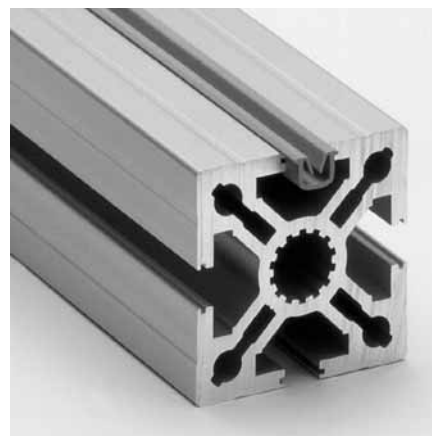
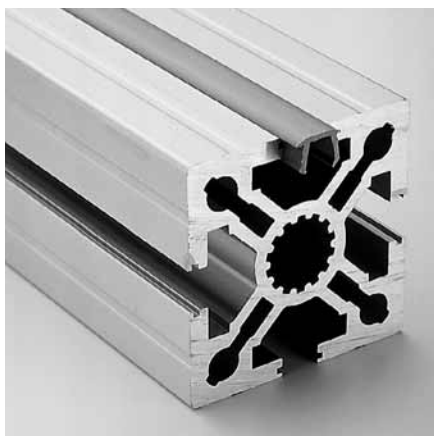


Application

For thin sheets eg expanded metal, steel sheets, etc.

Specification

Grey PVC for panels up to 3 mm
Plate insertion depth: 4 mm

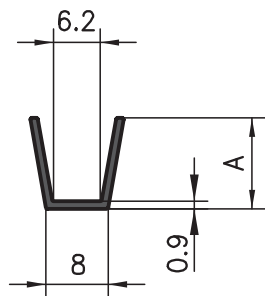


Order data	Order number
Filler strips	grey
Standard length 5000mm	A39-25-00/5000
Cut to length	A39-25-02-02/...
Filler strips	black
Standard length 5000mm	A39-26-00/5000
Cut to length	A39-26-02-02/...

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 = 4,5 mm
Standard length 5000 mm	A39-32-00/5000
Cut to length	A39-32-02-02/...
Channel reducing strip	A = 5,5 mm
Standard length 5000 mm	A39-34-00/5000
Cut to length	A39-34-02-02/...

Order data	Order number
Channel reducing strip	
Standard length 5000 mm	A39-31-00/5000
Cut to length	A39-31-02-02/...

Channel reducing strips and filler strips

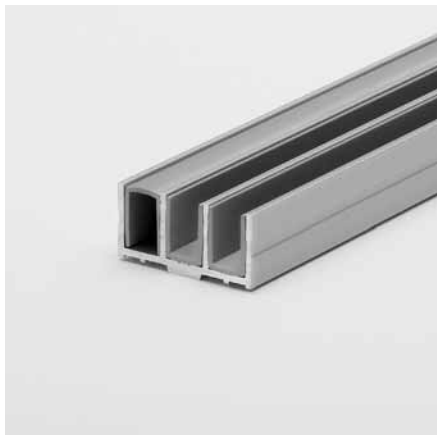


Application

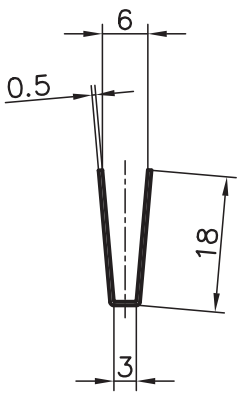
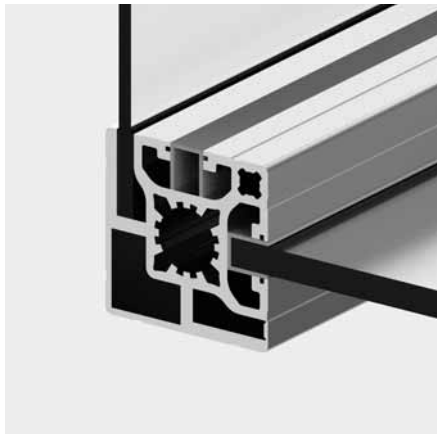
To hold panels which are 6 mm thickness.
They can also be inverted to blank off the slots on triple channel extrusions.

Specification

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



Order data	Order number
Channel reducing strip	extrusions 50
A = 14.5 mm	
Standard length 5000 mm	A39-50-00/5000
Cut to length	A39-50-02-02/...
Channel reducing strip	extrusions 40
A = 10 mm	
Standard length 5000 mm	C39-50-00/5000
Cut to length	C39-50-02-02/...
Channel reducing strip	extrusions 30
A = 6.5 mm	
Standard length 5000 mm	B39-50-00/5000
Cut to length	B39-50-02-02/...
Channel reducing strip	extrusions B05-1
A = 12 mm	
Standard length 5000 mm	B39-55-00/5000
Cut to length	B39-55-02-02/...



Application

When fitting 3mm panels for base 40 panels extrusions.

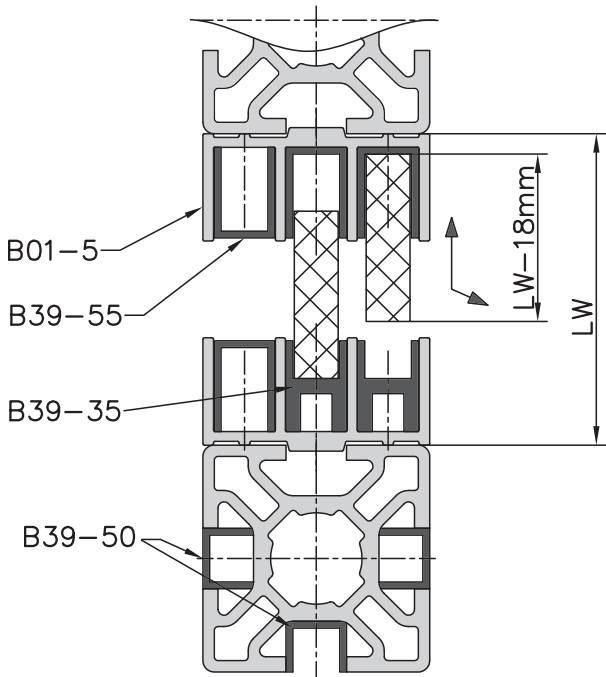
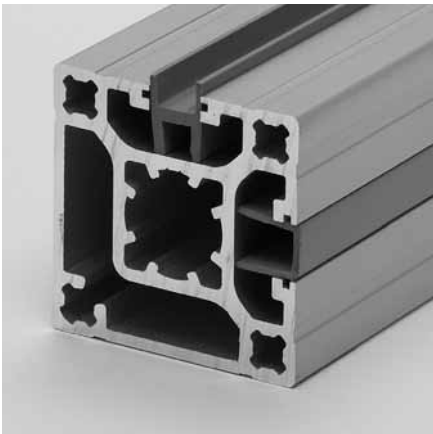
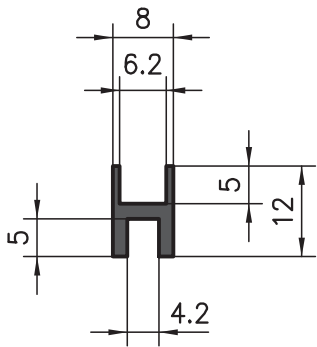
Specification

Black PVC

Order data	Order number
Channel reducing strip	Base 40
Standard length 5000 mm	C39-63-00/5000
Cut to length	C39-63-02-02/...

H-strip

H-strip



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

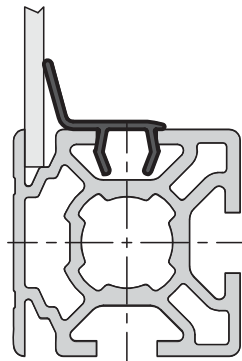
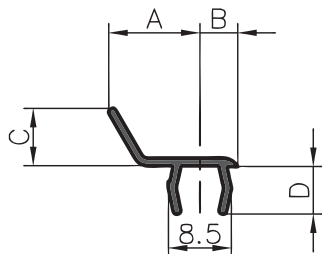
Specification

Grey PVC for panels of 4 or 6 mm in thickness



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

Supporting extrusion



Application

The supporting extrusion has two functions:

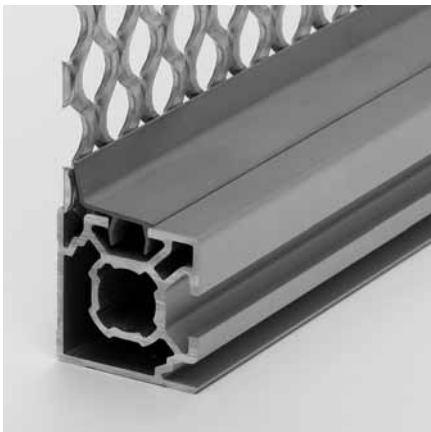
1. It gives optimum support (pressure) to thin panels which are inserted into the narrow slots.
2. At the same time it also covers the extrusion connector slots.

Specification

Grey PVC

Measurement data

Extrusion base	A	B	C	D
30	13	5	8	6
40	15	7	10	9



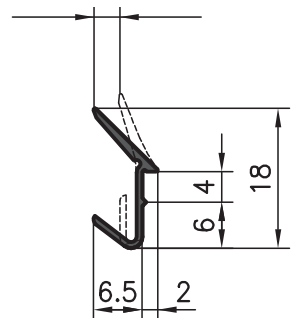
Order data	Order number
Clamping extrusion 30	
Standard length 5000 mm	B39-25-00/5000
Cut to length	B39-25-02-02/...



Order data	Order number
Supporting extrusion 40	
Standard length 5000 mm	C39-25-00/5000
Cut to length	C39-25-02-02/...

Wedge extrusion

Spring deflection 3.5



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.

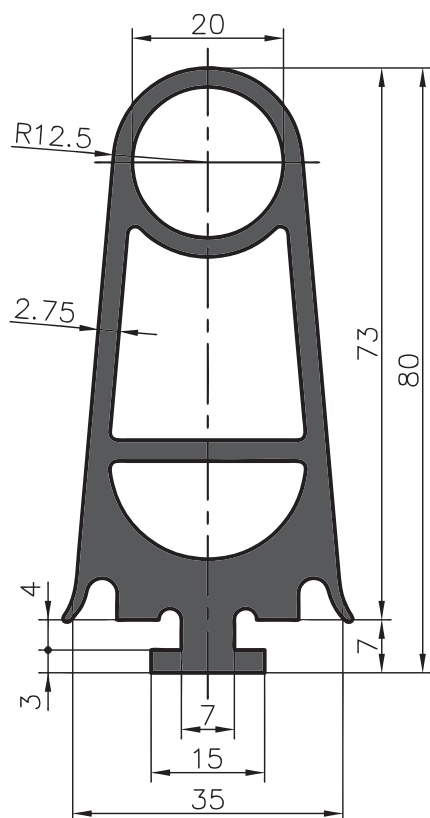
Specification

Grey PVC



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

Safety-edge extrusion



Application

Mainly used as a personal safety-extrusion on automatic sliding doors and everywhere there is danger of crushing parts. It fits to the KANYA-extrusions of the base 50 + 40.

Specification

EPDM caoutchouc black

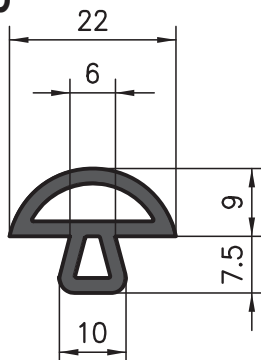


Order data	Order number
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Safety-edge extrusion

Standard length 2000 mm	C39-90
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Semi-circular sealing strip

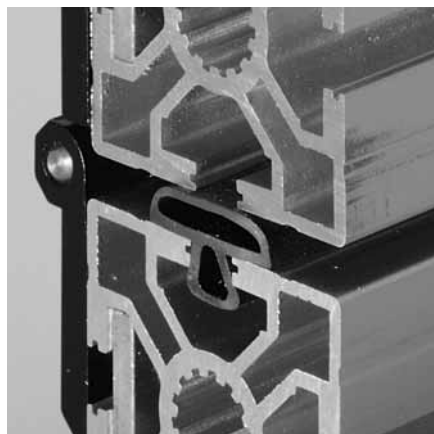


Application

Sealing strip for clean room technology and many other applications. Fits all standard KANYA extrusions.

Specification

Black neoprene rubber, oil-resistant.

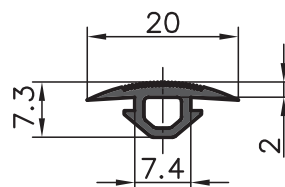


Order data	Order number
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Semi-circular sealing strip

Standard length of rolls of 25 m	A39-85-00
Cut to length	A39-85-02-02/...

Ribbed rubber extrusion Base 50/40/30/20

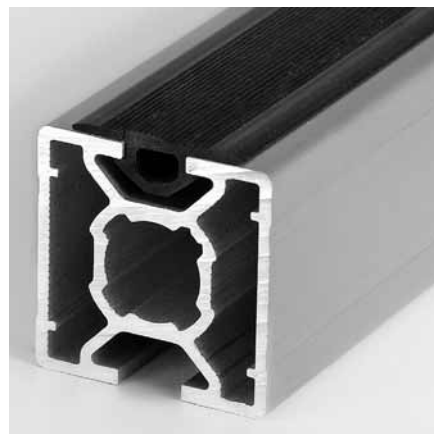


Application

The ribbed rubber extrusion can be used to protect the surface of extrusions, as an anti-slip strip or as a seal. This extrusion can be inserted into the slot of nearly all base 50, 40, 30 and 20 cross-sections.

Specification

EPDM, black
Weight: 70g/m

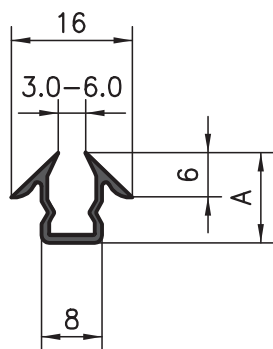


Order data	Order number
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Ribbed rubber extrusion

Standard length of rolls of 100 m	D39-86-00
Cut to length	D39-86-02-02/...

U-sealing strip

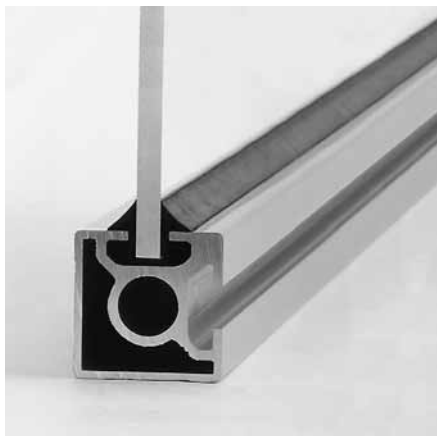


Application

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.

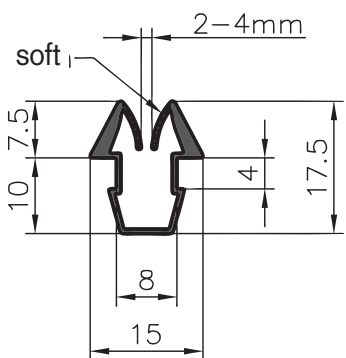
Specification

Black neoprene rubber, oil-resistant.



Order data	Order number
U-sealing strip, A = 12 mm	40/30 mm base
Standard length of rolls à 100 m	B39-65-00
Cut to length	B39-65-02-02/...
U-sealing strip, A = 18 mm	50 mm base
Standard length of rolls à 25 m	A39-65-00
Cut to length	A39-65-02-02/...

Grid extrusion



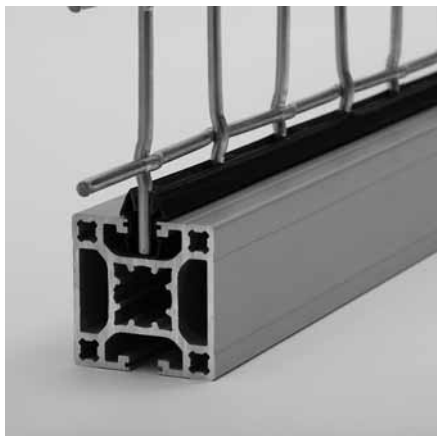
Application

Mainly used for holding steel-wire-mesh. The soft lips insulate the vibration and compensates the different thicknesses. It's qualified for panels with 2-5 mm thickness.

The grid extrusion fits into the base 50 and 40.

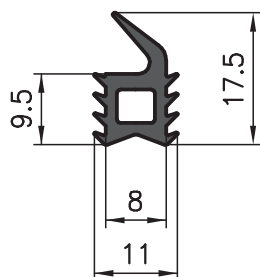
Specification

Hard- (soft) PVC, black



Order data	Order number
Grid extrusion	
Standard length 5000 mm	C39-70-00/5000
Cut to length	C39-70-02-02/...

Door sealing strip



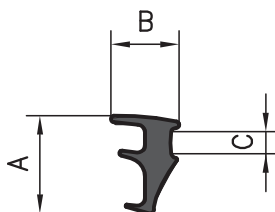
Application

Used to seal doors. Fits in all KANYA standard extrusions base 40 + 50 – as does the semi-circular sealing strip.

Specification

Black soft PVC, oil-resistant, 57 Shore A

Clamping sealing strip Base 50/40



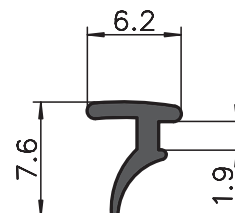
Application

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

Specification

Black neoprene rubber, oil-resistant.

Clamping sealing strip Base 30/20



Application

This sealing strip is used to stabilise and seal panels in the extrusion cross-sections of base 20 and 30. It is fitted after the panels are inserted.

Specification

TPE black, oil-resistant
For panels 5–6 mm thick



Measurement data

	A	B	C
Panels 1–3 mm thick	13	9	4
Panels 3–4 mm thick	10.5	7.5	3
Panels 5–6 mm thick	10.5	6.2	3

Order data

Order number

Clamping sealing strip

Panels 1–3 mm thick

Standard length of rolls à 180 m A39-80-00

Cut to length A39-80-02-02/...

Panels 3–4 mm thick

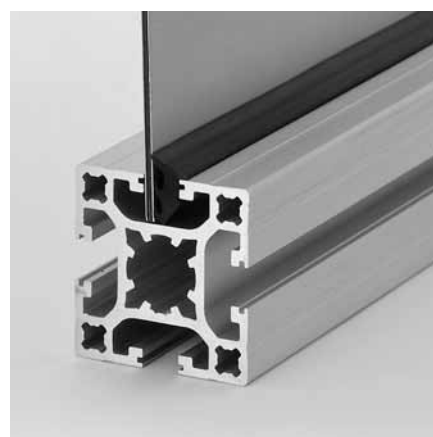
Standard length of rolls à 250 m A39-81-00

Cut to length A39-81-02-02/...

Panels 5–6 mm thick

Standard length of rolls à 250 m A39-83-00/

Cut to length A39-83-02-02/...



Measurement data

Panels 5–6 mm thick

Order data

Order number

Clamping sealing strip 30/20 base

Standard length of rolls à 100 m B39-83-00

Cut to length B39-83-02-02/...

Order data

Order number

Door sealing strip

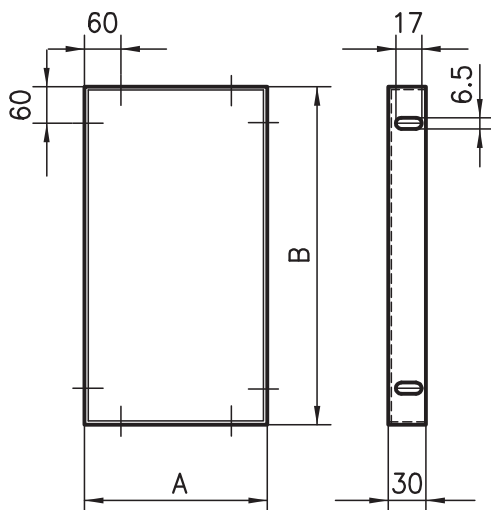
Standard length 20 m

A39-88-00

Cut to length

A39-88-02-02/...

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

1.25 mm sheet steel, powder coated, maximum size: 900 x 1500 mm
Colour: RAL shade requested by the customer
Weight: 11.2 kg/m²



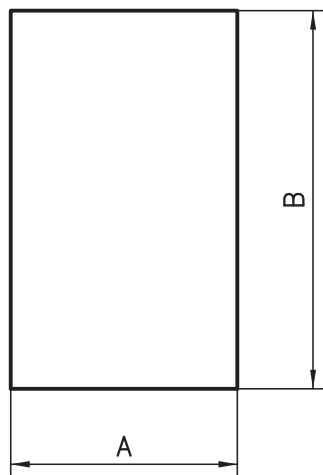
Order data

Enclosure panel,
state colour

Order number

B53-00 A x B

Aluminium sheets



Application

All types of enclosures.

Specification

Al-sheet 1.5 and 3.0 mm

Anodised in natural colour and one side with a protection film

Maximum size: 1000 x 2000 mm

Steel-sheet 1.25 mm zinc-coated

Maximum size: 1000 x 2000 mm

Other dimensions or powder coated sheets are available on request

Weight: Al 1.5 mm: 4.05 kg/m²

Al 3.0 mm: 8.1 kg/m²

St 1.25 mm: 10.0 kg/m²



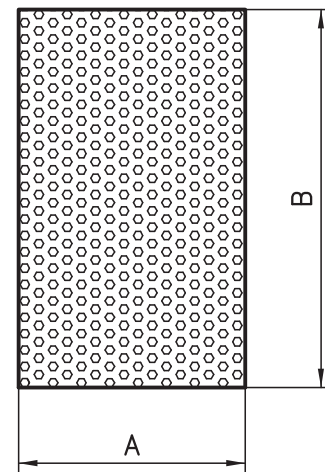
Order data

Aluminium sheet, 1.5 mm
Aluminium sheet, 3 mm
Steel sheet 1.25 mm

Order number

A53-15 A x B
A53-30 A x B
A53-51 A x B

Expanded metal



Application

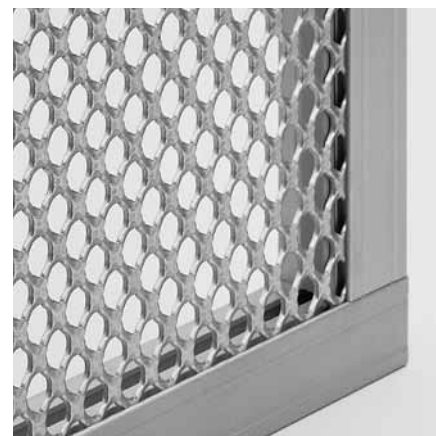
The panel for designers with taste – light and attractive, but nonetheless sturdy. Can be used for virtually any purpose.

Specification

Aluminium 2 mm, raw

Maximum size: 1000 x 2000 mm

Weight: 2.0 kg/m²



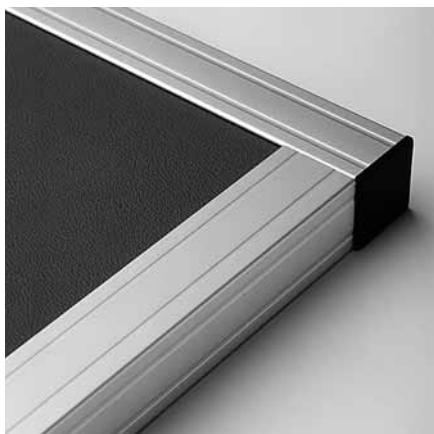
Order data

Expanded metal

Order number

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
blue, similar to RAL 5002
black, similar to RAL 9005

Size: max. 1250 x 2500 mm

Weight: 2.0 mm: 2.9 kg/m²
3.0 mm: 3.8 kg/m²

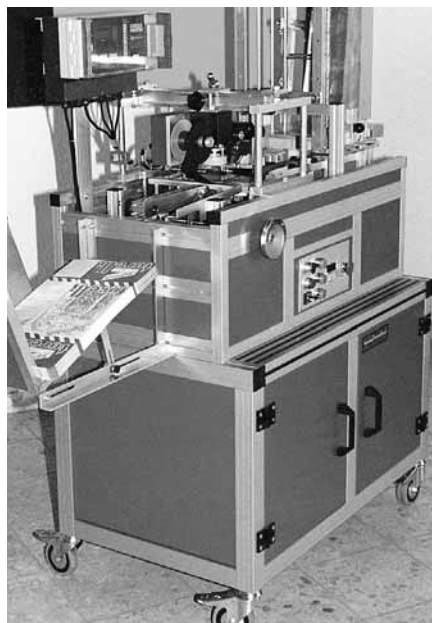
Specification «DILITE»

Composite panel lined on either side with 0.2 mm thick aluminium sheets. Stove-enamelled on either side.

Colour: white, similar to RAL 9016

Thickness: 3.0 mm

Size: max. 1500 x 3000 mm



«ALUCOBOND» specification

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

Thickness: 4.0 mm

Surface: anodised in a natural colour on either side

Size: max. 1250 x 2500 mm

Weight: 4.0 mm: 5.5 kg/m²

Order data	Order number
DIBOND 2 mm	A51-12 A x B
DIBOND 3 mm, state colour	A51-13 A x B
DILITE 3 mm	A51-33 A x B
ALUCOBOND 4 mm anodised	A51-22 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

Weight: 5.2 kg/m²

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

PET-G



Application

This transparent panel is food-safe and can be used in clean-room applications and medical technology. Metal machining and cold or hot forming is possible

Specification for Pet-G

impact-resistant, oil-resistant, food-safe

Colour: clear as glass, transparent
 Thicknesses: 3, 4, 5, 6, 8 mm
 Size: max. 2000 x 3000 mm
 Weight: 3 mm: 4.14 kg/m²
 4 mm: 5.52 kg/m²
 5 mm: 6.90 kg/m²
 6 mm: 8.28 kg/m²
 8 mm: 11.0 kg/m²

Order data	Order number
PET-G plate 3 mm	A50-73 A x B
PET-G plate 4 mm	A50-74 A x B
PET-G plate 5mm	A50-75 A x B
PET-G plate 6 mm	A50-76 A x B
PET-G plate 8 mm	A50-78 A x B

Other plastic plates available on request

Acrylic glass



Application

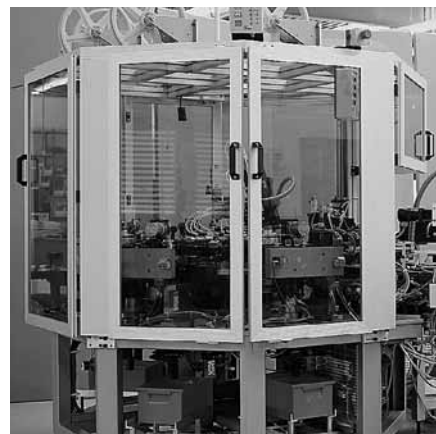
For machine safety enclosures, room partitions and display cases. (suitable for metal machining). Hot forming possible using special tool.

Specification for acrylic glass

Colours: clear as glass, or on request
 Thicknesses: 3, 4, 5, 6, 8 mm
 Size: max. 2000 x 3000 mm
 Weight: 3 mm: 3.55 kg/m²
 4 mm: 4.70 kg/m²
 5 mm: 5.90 kg/m²
 6 mm: 7.10 kg/m²
 8 mm: 9.45 kg/m²

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

Polycarbonate



Application

This panel is extremely impact-resistant and is used for windows and doors in safety guards. Metal machining and cold or hot forming is possible. We can provide blank cuts or ready-machined panels.

Specification for polycarbonate

Colours : clear as glass
 Thicknesses: 3, 4, 5, 6, 8 mm
 Size: max. 2000 x 3000 mm
 Weight: 3 mm: 3.60 kg/m²
 4 mm: 4.80 kg/m²
 5 mm: 6.00 kg/m²
 6 mm: 7.20 kg/m²
 8 mm: 9.60 kg/m²

Order data	Order number
Polycarbonate 3 mm	A50-33 A x B
Polycarbonate 4 mm	A50-34 A x B
Polycarbonate 5 mm	A50-35 A x B
Polycarbonate 6 mm	A50-36 A x B
Polycarbonate 8 mm	A50-38 A x B

Rigid PVC foam plates



Application

For enclosures or as shelves for light elements. Metal machining and cold or hot forming is possible. The plastic plates are placed directly in the extrusion slots or mounted using fixing elements such as brackets, Uniblocks or quick-release fasteners.

Specification

Rigid plastic foam, scratch-proof and impact-resistant oil-resistant highly fire-retardant according to DIN 4102 (self-extinguishing)

Colour: white

Thickness: 3, 4, 6, 8 mm

Size: max. 2000 x 3000 mm

Weight: 3 mm: 2.1 kg/m²

4 mm: 2.8 kg/m²

6 mm: 4.2 kg/m²

8 mm: 5.6 kg/m²

Other colours may be supplied on request.

Order data	Order number
Rigid PVC foam plate 3mm	A50-63 A x B
Rigid PVC foam plate 4 mm	A50-64 A x B
Rigid PVC foam plate 6 mm	A50-66 A x B
Rigid PVC foam plate 8 mm	A50-68 A x B

Steel wire mesh



Application

Safety guards, store partitions, restricted access, etc.

This wire mesh can be inserted directly into the 8mm slot on the extrusion together with the surround extrusion C39-70 and the clamping extrusion B19-6.

Specification

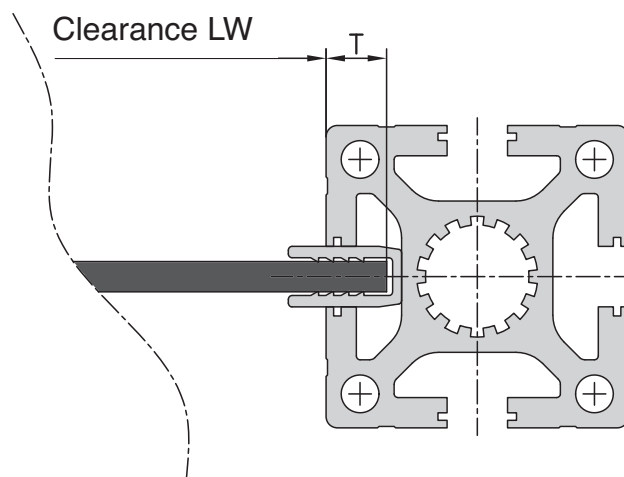
Zinc-coated steel

Mesh width: 40 mm

Wire thickness: 4 mm

Size: max. 1000 x 2000 mm
(1250 x 2500)

Weight: 4.5 kg/m²

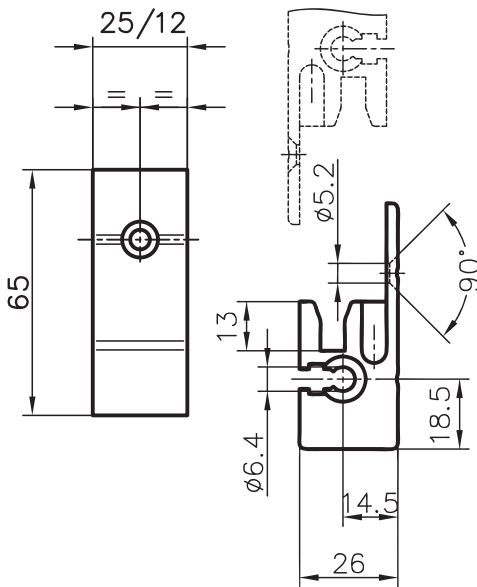


Massangaben

	Basis 30	Basis 40	Basis 50
Gittereinsatztiefe T	5mm	8mm	12.5mm
Gittergrösse A50-44	LW + 10mm	LW + 16mm	LW + 25mm
U-Klemmprofilänge in Gehring	LW + 13mm	LW + 19mm	LW + 28mm

Order data	Order number
Steel wire mesh	A50-44 AxB

Suspended guard fittings



Application

For an easy suspension of elements. Extrusion frames with panel-elements can be placed between two extrusions.

The vertical and the horizontal suspend position hold the panels in the defined position.

The nuts are placed in the slot and with screws it can be fixed from both sides.

Parts supplied

2 Suspensions +
2 Screws with Screw-nuts

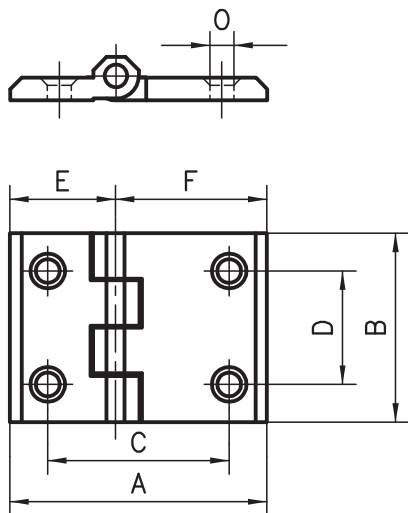
Specification

Al, anodised in natural colours



Order data	Order number	
Suspension small	B=12 mm	B62-20
Suspension large	B=25 mm	B62-25

Plastic hinges fix



Application

That the optimal pivoting characteristics is given for doors, windows ect, the designer needs a selection of hinges, which are fitting exactly.

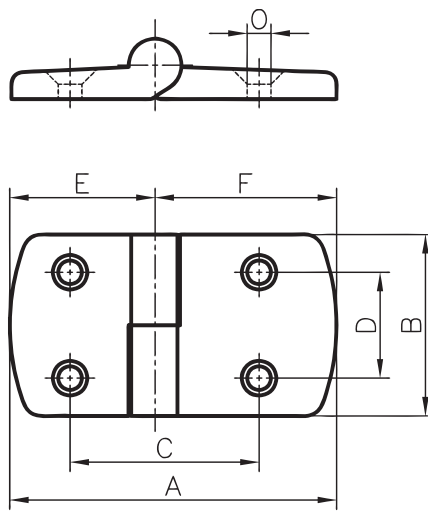


Specification

PA-GF black

Pin: steel zinc coated

Plastic hinges lift-off type



Whether cost efficient plastic, attractive diecasting, or high-strength Aluminium hinges, the assortment gives you the possibility to do the right choice.



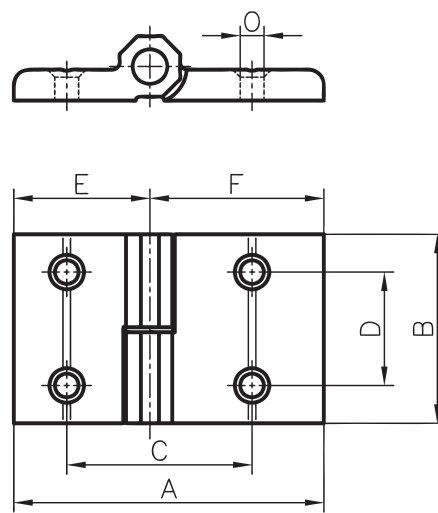
Image: right fixed type

Specification

PA-GF black

Pin: steel zinc coated

Aluminium hinges lift-off type



Whether cost efficient plastic, attractive diecasting, or high-strength Aluminium hinges, the assortment gives you the possibility to do the right choice.



Image: left fixed type

Specification

Al anodised natural colours

Pin: steel zinc coated

Order data								Order number
Base	A	B	C	D	E	F	O	
50	76	50	56	30	38	38	6.3	A60-00-PA *
50/30	63	50	43	30	25	38	6.3	AB6-00-PA *
30	50	50	30	30	25	25	6.3	B60-00-PA *

* the order number for the fixing kit add

-S to the art.no.:

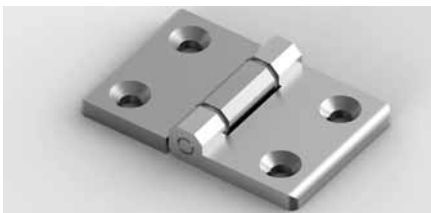
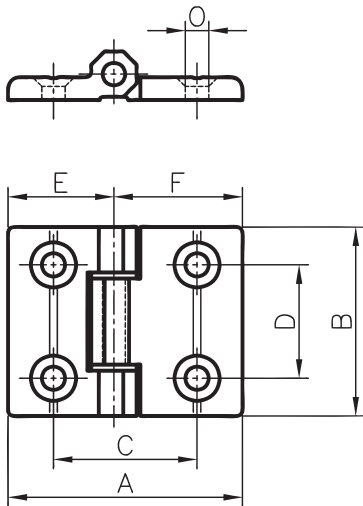
Example: A60-60-PA-S

Order data								Order number	
Plastic hinges								left	right
Base	A	B	C	D	E	F	O		
50	96	48	55	28	48	48	6.5	A60-60-PA*	A60-61-PA*
50/40	86	48	50	28	48	38	6.5	AC6-60-PA*	AC6-61-PA*
50/30	77	48	45	28	48	29	6.5	AB6-60-PA*	AB6-61-PA*
40	76	48	45	28	38	38	6.5	C60-60-PA*	C60-61-PA*
40/30	67	48	40	28	38	29	6.5	CB6-60-PA*	CB6-61-PA*
30	58	48	35	28	29	29	6.5	B60-60-PA*	B60-61-PA*

Aluminium hinges

Base	A	B	C	D	E	F	O		
50	92	50	54	30	46	46	6.5	A60-60*	A60-61*
50/40	82	50	49	30	46	36	6.5	AC6-60*	-
50/40	82	50	49	30	36	46	6.5	-	AC6-61*
40	72	50	44	30	36	36	6.5	C60-60*	C60-61*

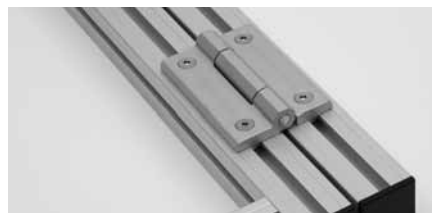
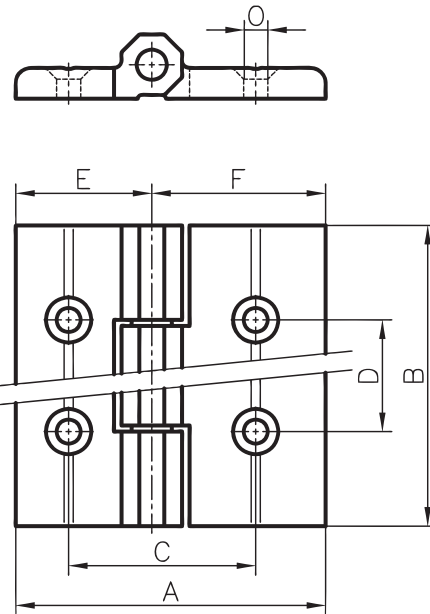
Zn-diecast hinges fixed type



Specification

GD-Zn, black powder coated
Pin: steel zinc coated
washer: PA-6, white

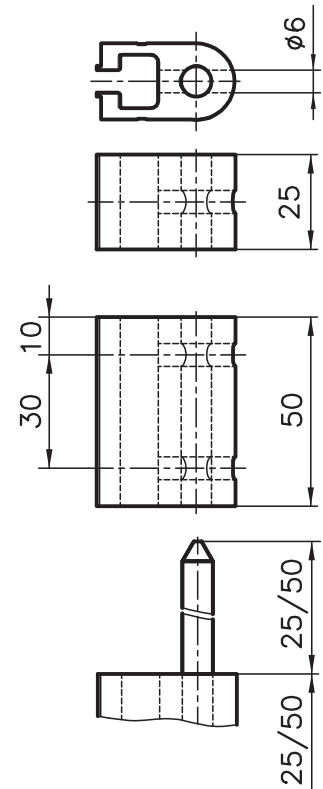
Al-heavy duty hinges fixed type



Specification

Al, anodised natural colours
Pin: steel zinc coated
bush bearing: iglidur G, grey

Special hinges lift-off type



Specification

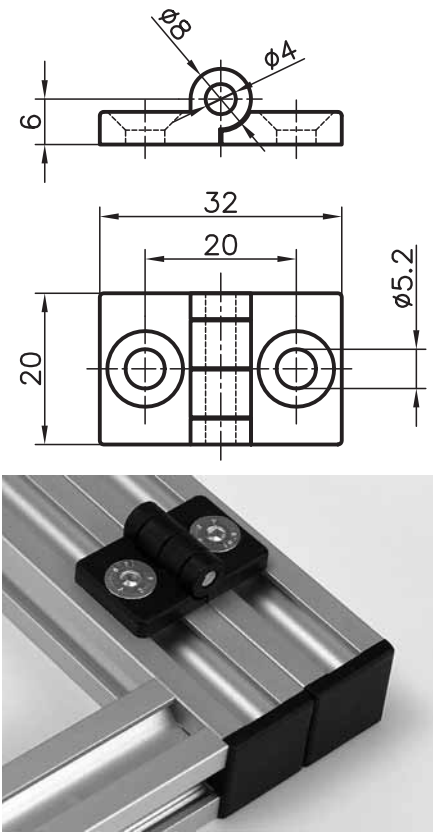
Al anodised natural colours
Pin Ø 8mm: steel zinc coated

Order data								Order number
Zn-diecasting hinges								
Base	A	B	C	D	E	F	O	
50	78	50	54	30	39	39	6.3	A60-21*
50/40	73	50	49	30	34	39	6.3	AC6-21*
50/30	67	50	43	30	28	39	6.3	AB6-21*
40	68	50	44	30	34	34	6.3	C60-21*
40/30	62	50	38	30	28	34	6.3	CB6-21*
30	56	50	32	30	28	28	6.3	B60-21*
20	40	40	25	25	20	20	5.3	D60-21*
Al-heavy duty hinges								
Base	A	B	C	D	E	F	O	
50	92	100	54	75	46	46	6.3	A60-30*
50/40	82	100	49	75	36	46	6.3	AC6-30*
40	72	100	44	75	36	36	6.3	C60-30*

* the order number for the fixing kit add
-S to the art.no.:
Example: A60-21-S

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

Plastic hinge
Base 20 fixed



Application
For smart work structures which are set up on Base 20, these hinges are a compact solution. With an axial dimension of 20mm, there are no gaps between the extrusions.

Specification
PA-GF, black
Pin: zinc-coated steel

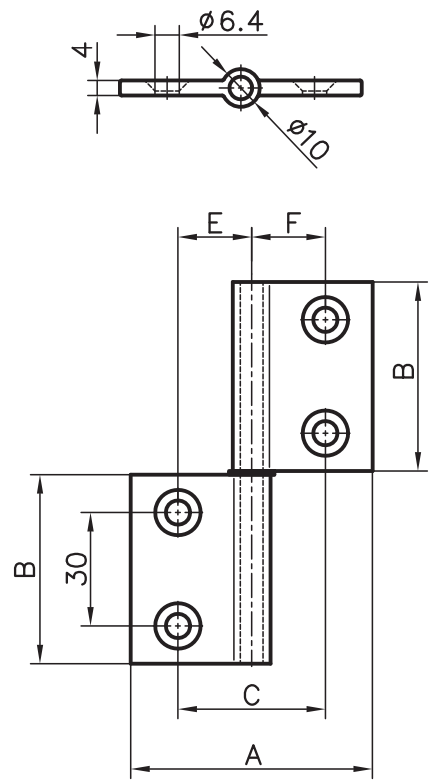
Fixing kit*
Screws and threaded plates

Order data	Order number
Base 20	D60-00-PA*
* Item number for fixing kit: add -S to the order number Example: A60-28-S	



Application
The flat band hinges are mounted in a concealed position. When the doors are closed, only the hinge is visible. This provides an attractive design for swing doors. It also has the advantage that when the door is closed, the flat band hinge cannot be

Aluminium flat hinge

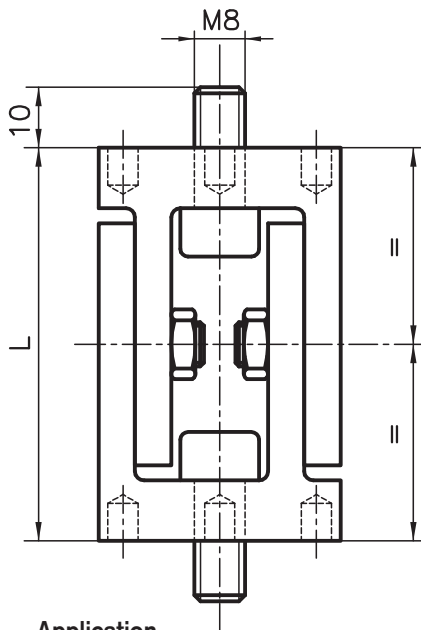
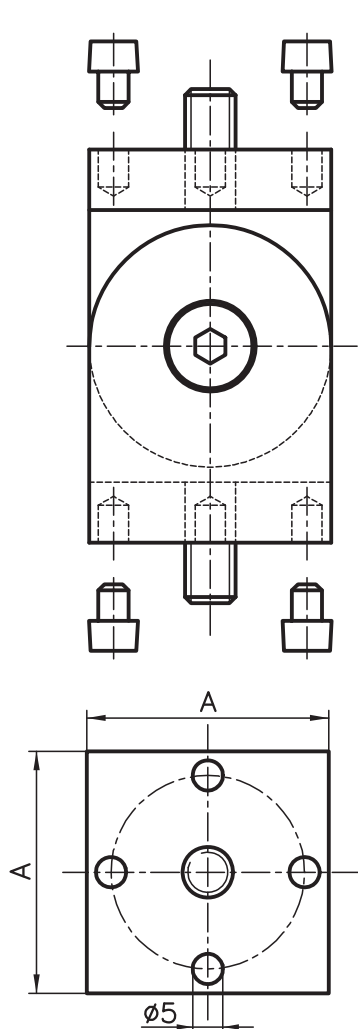


removed. This is important when considering the safety aspects.

Specification
Anodised aluminium
Pin: Stainless steel

Measurement data						Order number
Base	A	B	C	E	F	
50	104	50	59	29.5	29.5	A60-28*
40	84	50	50	25	25	C60-28*
30	64	50	39	19.5	19.5	B60-28*
50/40	94	50	54.5	29.5	25	AC6-28*
40/30	74	50	44.5	25	19.5	CB6-28*
50/30	84	50	49	29.5	19.5	AB6-28*

Joint



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.

Specification

Aluminium, matt, anodised in natural colours

Screws and flats: zinc-coated steel

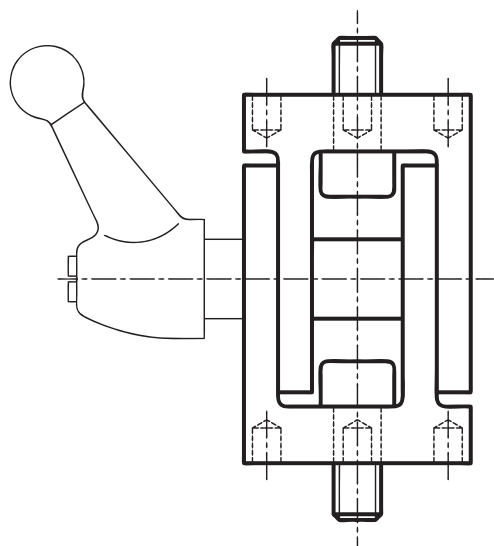
Parts supplied

- 2 assembled joint halves
- 1 M8x30 fixing screw
- 1 M8x35 fixing screw
- 2 threaded plates
- 2 inserts
- 4 flats

Order data		Order number	
Joint	A L		
Base 50	50 85	A61-00	
Base 40	40 65	C61-00	



Joints with clamp lever



Specification

Aluminium, matt, anodised in natural colours

Screws and flats: steel zinc coated

Parts supplied

- 2 assembled joint halves
- 1 M8x30 fixing screw
- 1 M8x35 fixing screw
- 1 clamp lever with the distance bush
- 2 threaded plates
- 2 inserts
- 4 flats

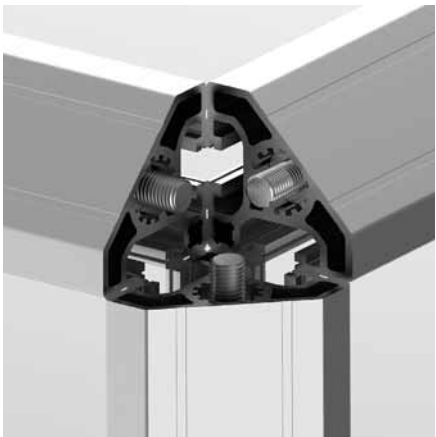
Order data		Order number	
Joint with clamping lever	A L		
Base 50	50 85	A61-01	
Base 40	40 65	C61-01	

Corner pieces

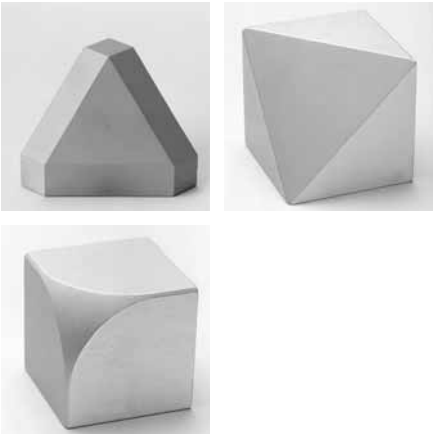


Attachment

All corner pieces can be mounted using three threaded connectors for the respective extrusion sizes. These can be found on page 126 or simply order a fixing kit. The order number of the fixing kit consists of the respective item number of the corner piece to which -S is added.



Corner piece fixing kit 3 threaded connectors



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 thread

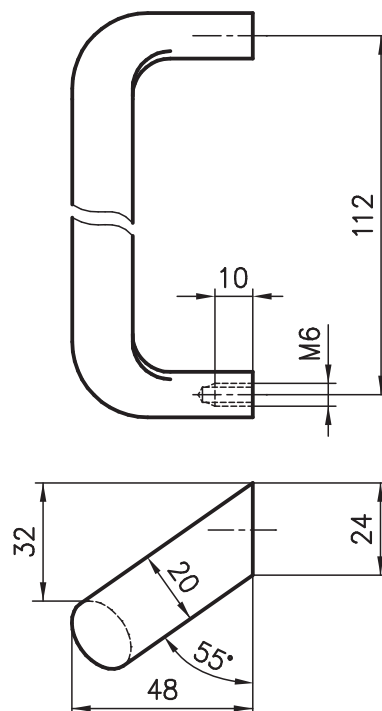
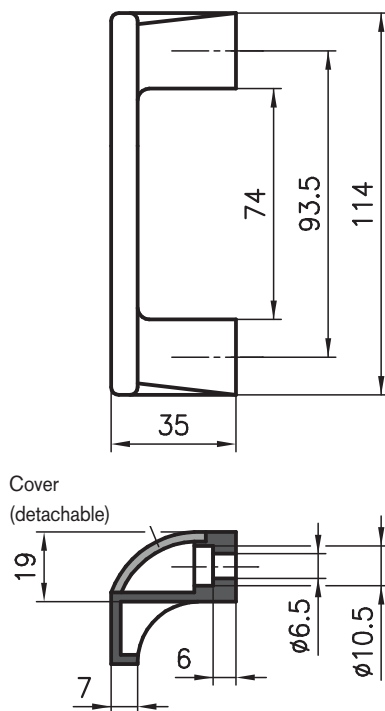
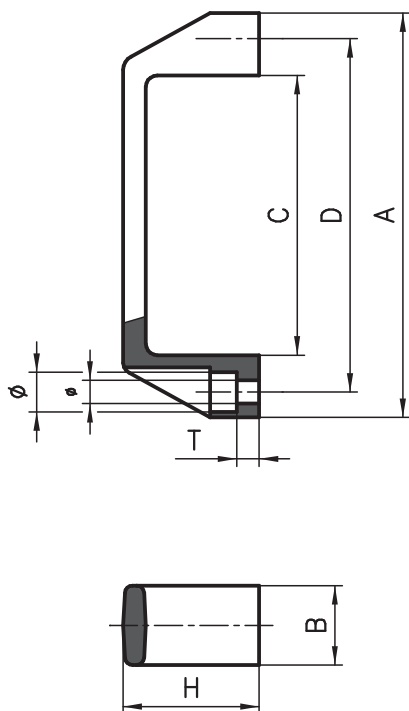
Specification

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

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

* Fixing kit: add -S to the order number
Example: A70-00-S

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

Measurement data

Handle	A	B	C	D	H	T	Ø	ø
small	17	21	74	93.5	36	6	10.5	6.5
medium	122	19	82	100	33	13	8.5	5.5
large	134	26	95	117	41	6.5	13.5	8.5

Application

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

Specification

PA-GF, black

Application

For inset, sliding doors etc. This offset handle ensures no trapped fingers.

Specification

Black aluminium RAL 9005
(plastic coated)
Natural anodised aluminium



Order data

Order number

Small handle	B65-00
Medium handle	B65-01
Large handle	A65-01



Order data

Order number

Ergo handle	D65-01
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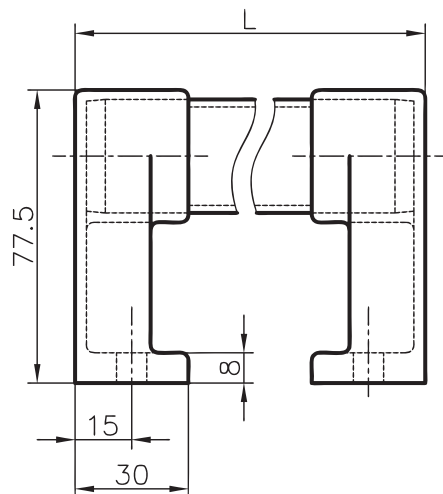
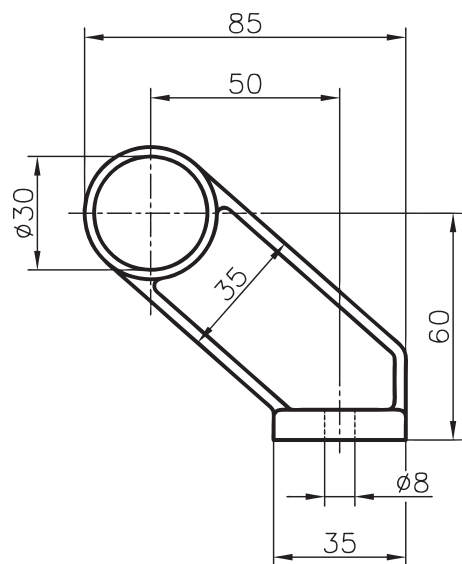


Order data

Order number

Handle	black	anodised
	A65-05	A65-06

Tube handle offset

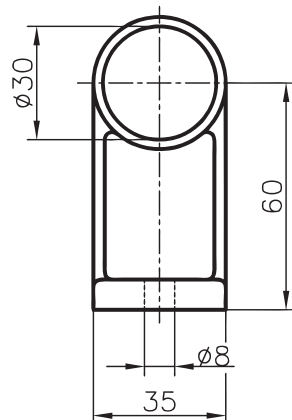


Specification

Support: PA-GF, black
Tube: Al, anodised

Order data	Order number	
	L	
tube handle offset	250mm	A65-22
tube handle offset	300mm	A65-23
tube handle offset	400mm	A65-24
tube handle offset	500mm	A65-25
Other length on customers requirement available		

Tube handle straight



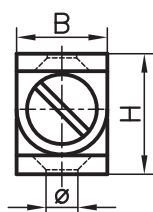
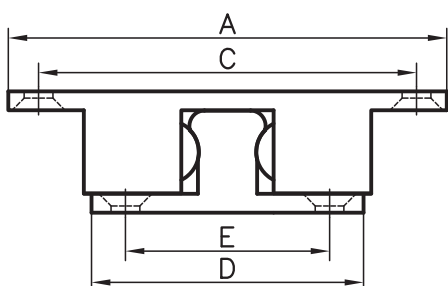
Specification

Support: PA-GF, black
Tube: Al, anodised

Order data	Order number	
	L	
Tube handle straight	250mm	A65-12
Tube handle straight	300mm	A65-13
Tube handle straight	400mm	A65-14
Tube handle straight	500mm	A65-15
Other length on customers requirement available		



Ball catches



Measurement data

Size	A	B	C	D	E	Ø
Small ball catch	59	10.5	50	38	27	3.6
Large ball catch	69	13	57	42	30	4.2

Application

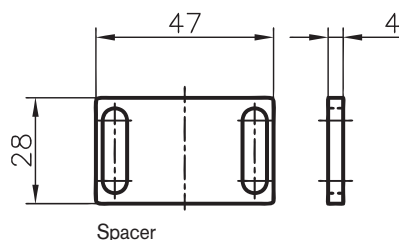
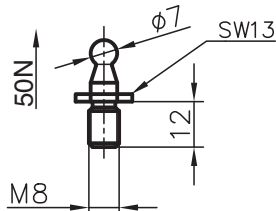
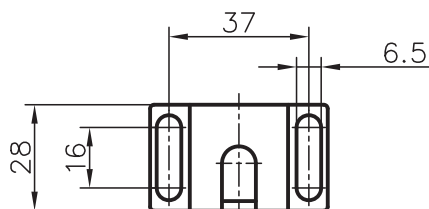
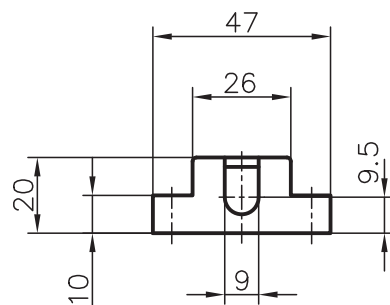
The handle strip is used as drawer handle. It's also possible to use it for doors and windows

Specification

Brass (chromium-plate steel balls)



Ball catches

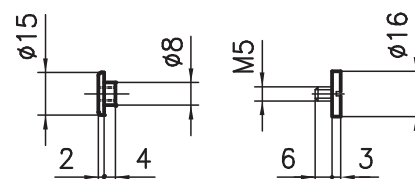
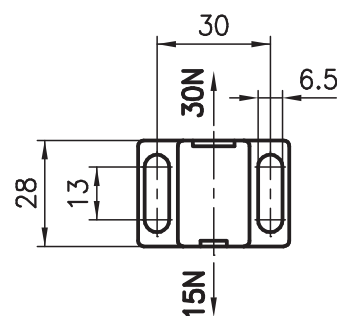
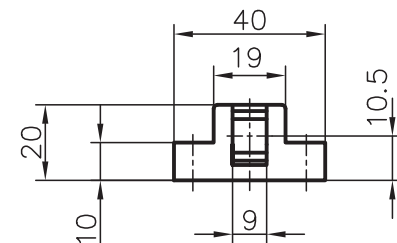


Specification

PA-GF, black
fixing screw: steel zinc coated



Magnetic fasteners



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 with nut.



Order data

Order number

Small ball catch
Large ball catch

A66-00
A66-10

Order data

Order number

Ball catch
Spacer

A66-50
A66-54

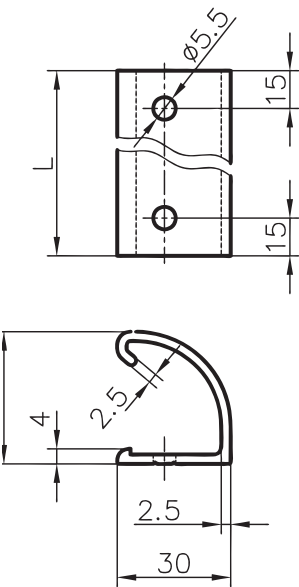
Order data

Order number

Duo magnetic catch

A67-20

Handle strip



Application
The handle strip is used as drawer handle. It's also possible to use it for doors and windows

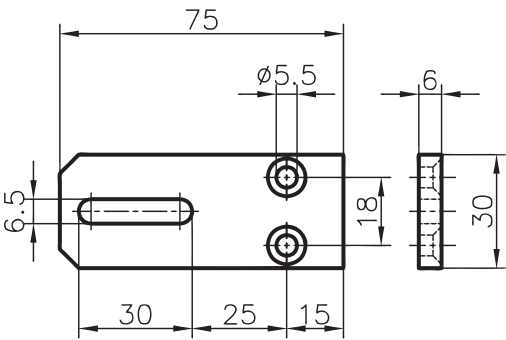


Specification
Al, anodised in natural colour

Order data	Order number
Handle strip 200 mm	B65-52
Handle strip 300 mm	B65-53
Handle strip 400 mm	B65-54

Other length on customer requirement available

Arrester plate



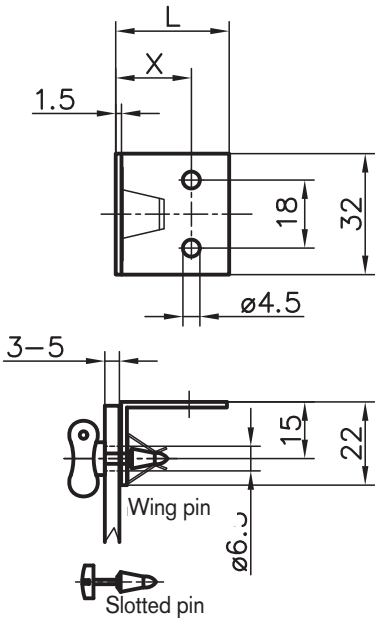
Application
As door- or window arresters with fixing possibility. It is possible to screw the arrestor plate through the slot and make it secure. It's also qualified as a simple connecting element.



Specification
Al, anodised in natural colour

Order data	Order number
Arrestor plate	C62-10 (-S)*

Quick-release fasteners



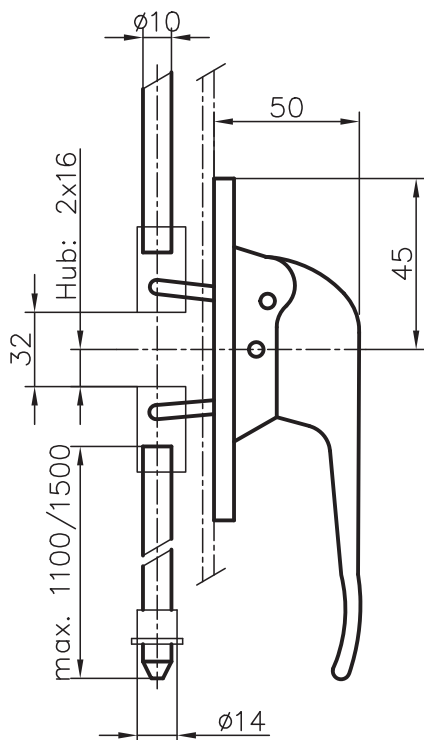
Application
For the quick fitting and removal of paneling. Simply press the wing or slotted pin in with your thumb; a quarter turn releases it.



Specification
Brackets and bolts: stainless steel
Spacer ring: rubber

Order data	Order number
Quick-release fastener with a wing pin	A64-10 A64-12 A64-11
Quick-release fastener with a slotted pin	A64-20 A64-22 A64-21

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.

Specification

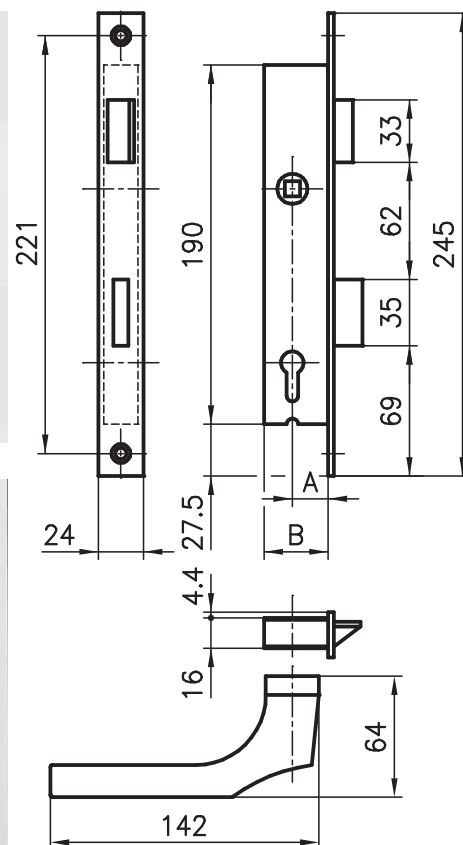
Handle: Al, anodised in natural colours
Rod: zinc-coated steel
max. length per rod: base 50/40 max. 1500mm
base 30 max. 1100mm

Fixing kit*

Screws and threaded plates, guide bushes



Inset lock



Application

Lockable and built into the extrusions Base 50, 40 and 30. The extrusion must be milled.

Specification and parts supplied

Lock: zinc-coated steel
Cylinder: Nickel plated brass
Key: Nickel plated steel (3supplied)
Handle and escutcheon: Al anodised

Fixing kit*

Screws and threaded plates

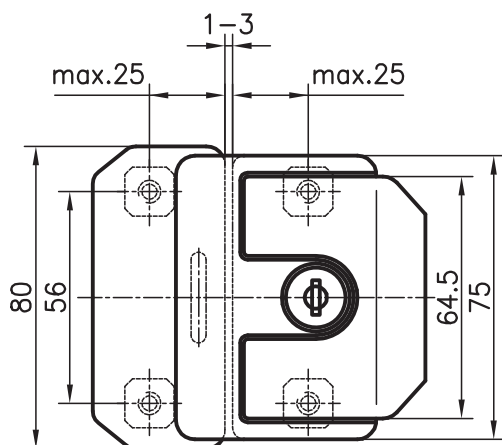
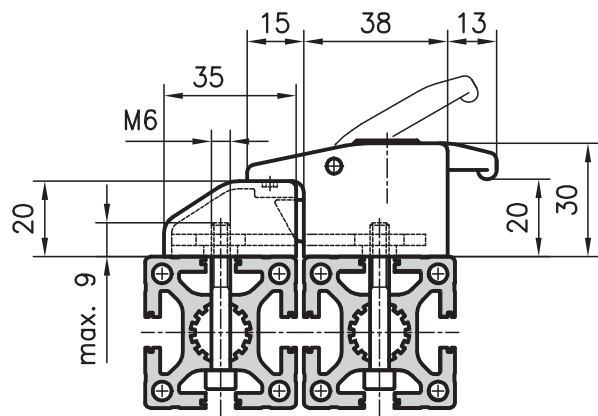
Order data		Order number	
Rod lock Al lockable, 2 keys			
Base	50	40	30
1 rod	A68-14 (-S)*	C68-14 (-S)*	B68-14 (-S)*
2 rods	A68-15 (-S)*	C68-15 (-S)*	B68-15 (-S)*
Rod lock Al unlockable			
1 rod	A68-04 (-S)*	C68-04 (-S)*	B68-04 (-S)*
2 rods	A68-05 (-S)*	C68-05 (-S)*	B68-05 (-S)*

* Fixing kit: add -S to the order number
Example: A68-14-S

Order data		Order number	
Inset lock		A	B
Extrusion Base	50 27	42	A68-00*
Extrusion Base	40 19	34	C68-00*
Extrusion Base	30 15	30	B68-00*

* Fixing kit: add -S to the order number
Example: A68-00-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 switches

Application

Safety switches are mandatory in many applications. If required by the customer, we will provide and set up the mechanical assembly. Simply send us the switch and we will integrate it in the structure.

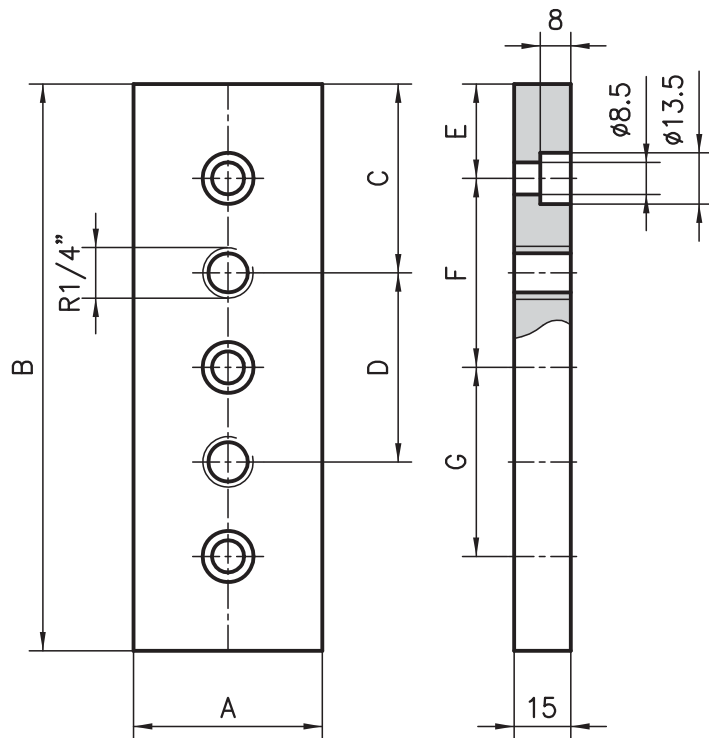
Due to the wide range and individual customer requirements, we have decided not to illustrate a specific product in our catalogue. We are also happy to suggest a suitable safety switch for you.

Depending on the potential risk, the switches must fulfill various functions, e.g.:

- electroless mechanical locking
- signal when door closed
- enabling/disabling of automatic processes



Sealing plates



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.



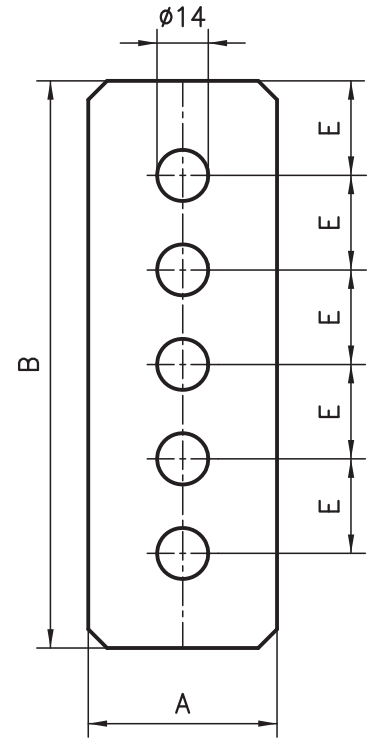
Fixing kit*

Screws + threaded inserts

Specification

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

Flat sealing element

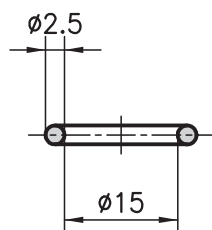


Order data								Order number
Sealing plate	A	B	C	D	E	F	G	
40x80 extrusion	40	80	40	-	20	40	-	C80-30*
50x100 extrusion	50	100	50	-	25	50	-	A80-10*
50x150 extrusion	50	150	50	50	25	50	50	A80-30*

* Fixing kit: add -S to the order number
Example: C80-30-S

Order data	Order number
Flat sealing element for the sealing plate	
40x80 extrusion	C80-31
50x100 extrusion	A80-11
50x150 extrusion	A80-31

Sealing washer



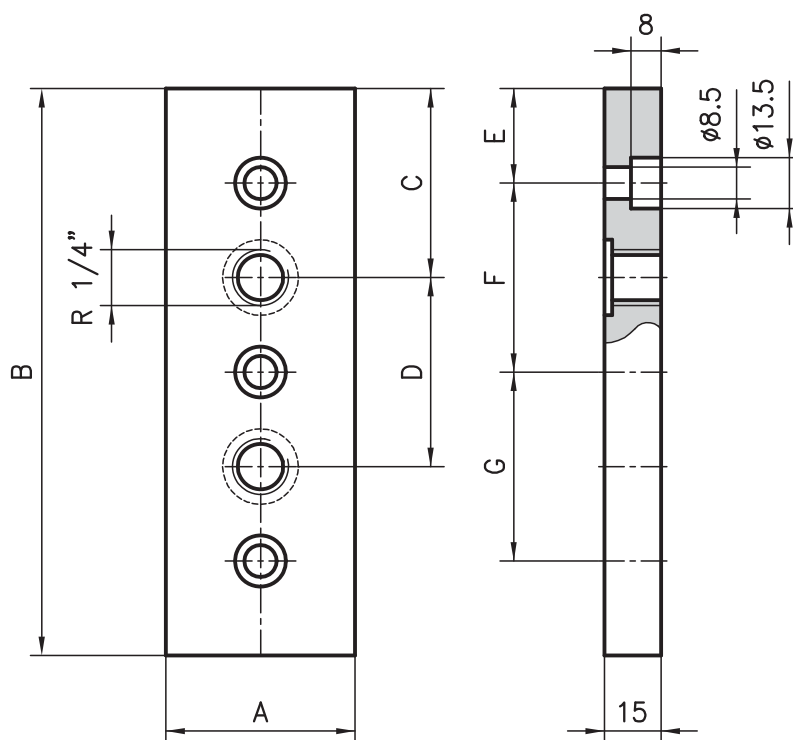
Application

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

Junction plates



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 40x80 extrusion.

Fixing kit*

Screws + threaded plates

Specification

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

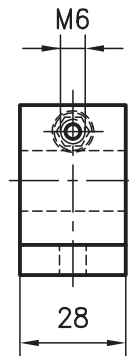
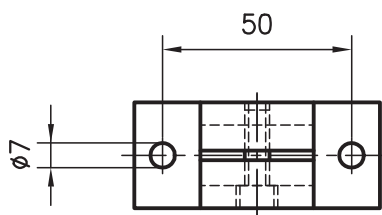
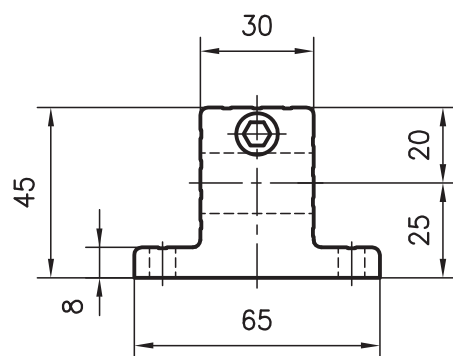
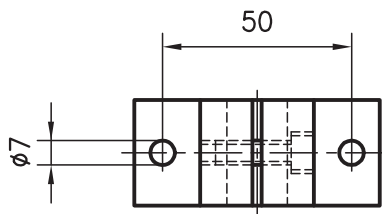
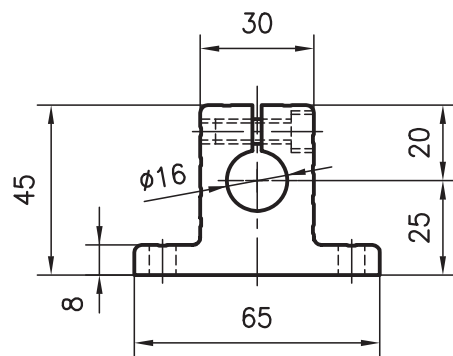


Order data	Order number
Junction plate sealing washer	
50x100 extrusion	A80-41
50x150 extrusion (2 x)	A80-42

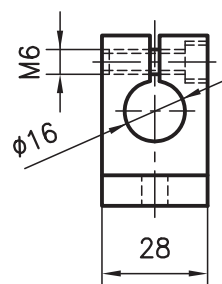
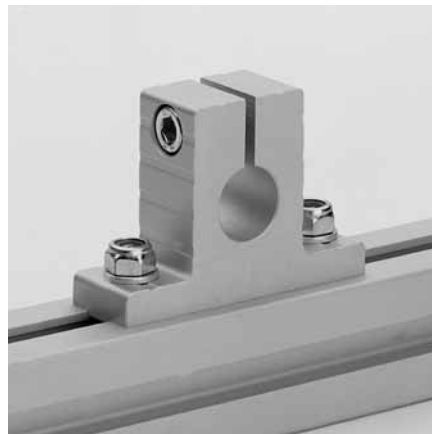
Order data	Order number
Junction plate	
50x100 extrusion	A80-40*
50x150 extrusion	A80-50*

* Fixing kit: add -S to the order number
Example: C80-40-S

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.

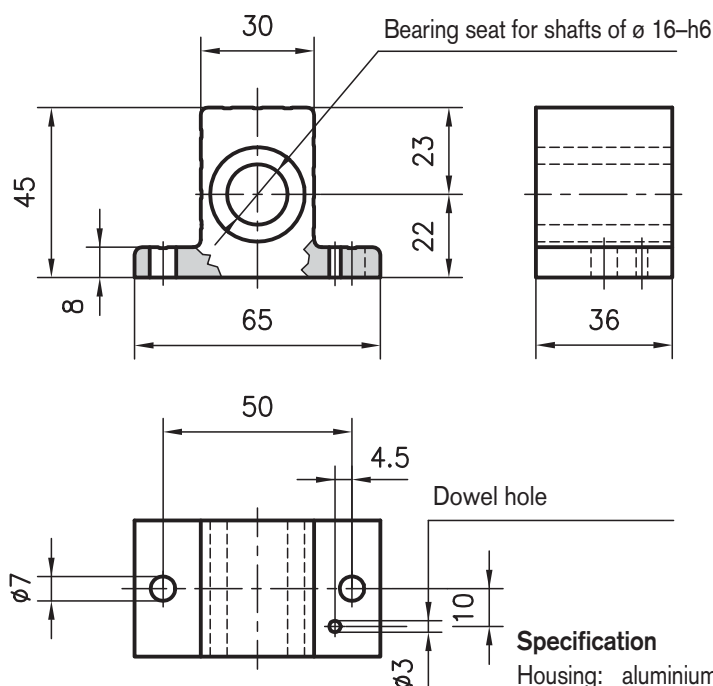
Specification

Aluminium, anodised in natural colours



Order data	Order number
Shaft clamping block - straight	L16-60
Shaft clamping block - 90°	L16-65

Linear sliding block

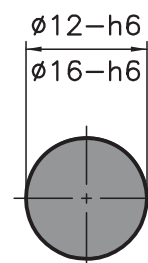


Specification

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.

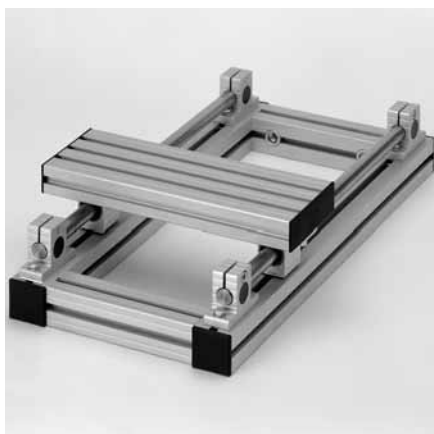
Specification

Steel, Cf 53, hardened, ground

Hardness: HRC 62 ± 2

Ø 12 0.9 Kg/m

Ø 16 1.5 Kg/m



Load rating

dynamic	static
850 N	620 N

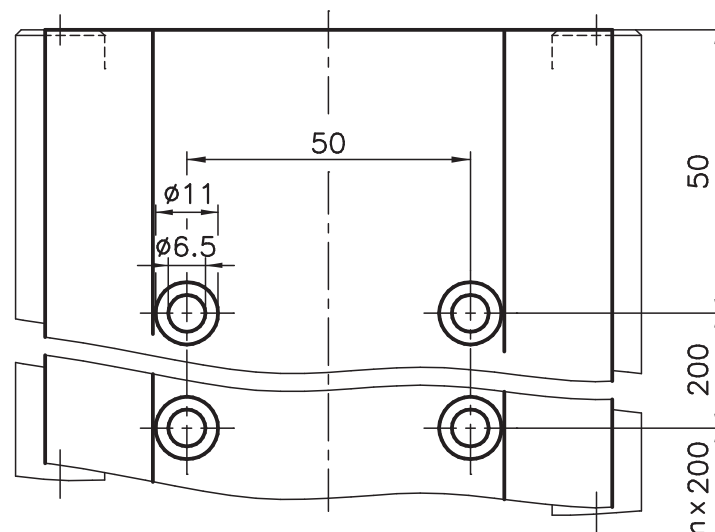
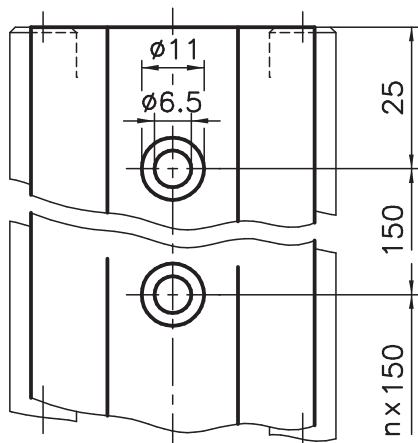
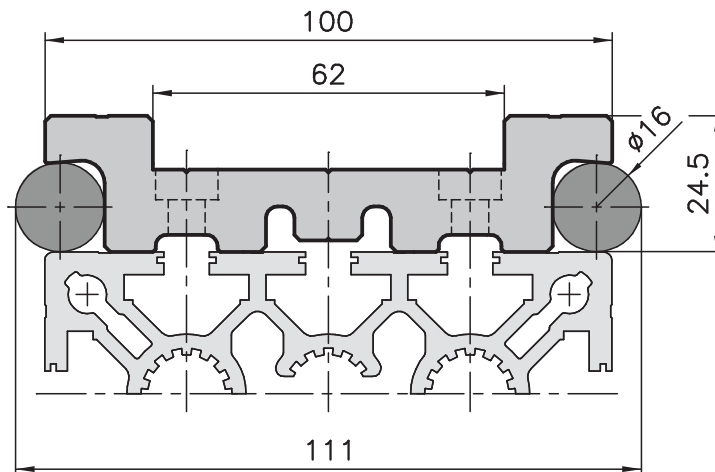
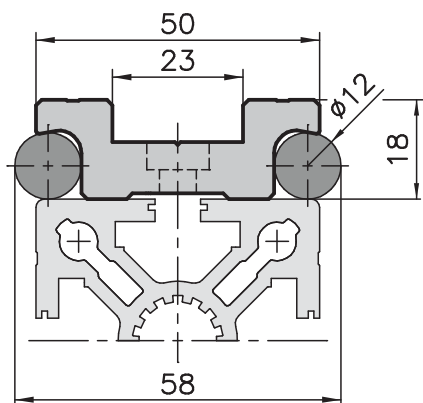
Order data Order number

Linear sliding block	L16-68
----------------------	--------

Order data Order number

Steel shaft Ø12	
Standard length 6000 mm	L12-20-01/6000
Cut to length	L12-20-02-02/...
Steel shaft Ø16	
Standard length 6000 mm	L16-20-01/6000
Cut to length	L16-20-02-02/...

Shaft clamping extrusions



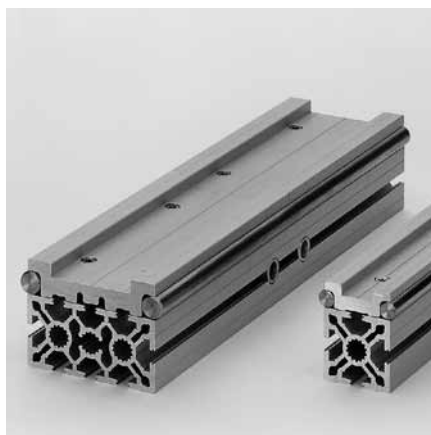
Application

The steel shafts are fixed firmly to the Base 50/100 extrusion using the shaft clamping extrusion. They can be combined with the slide plates and rollers as a simple way to create linear slides to move very high loads.

Specification

Aluminium, matt, anodised in natural colours
Pre-drilled mounting holes

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/...

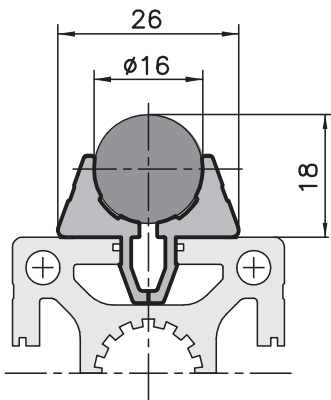


Application

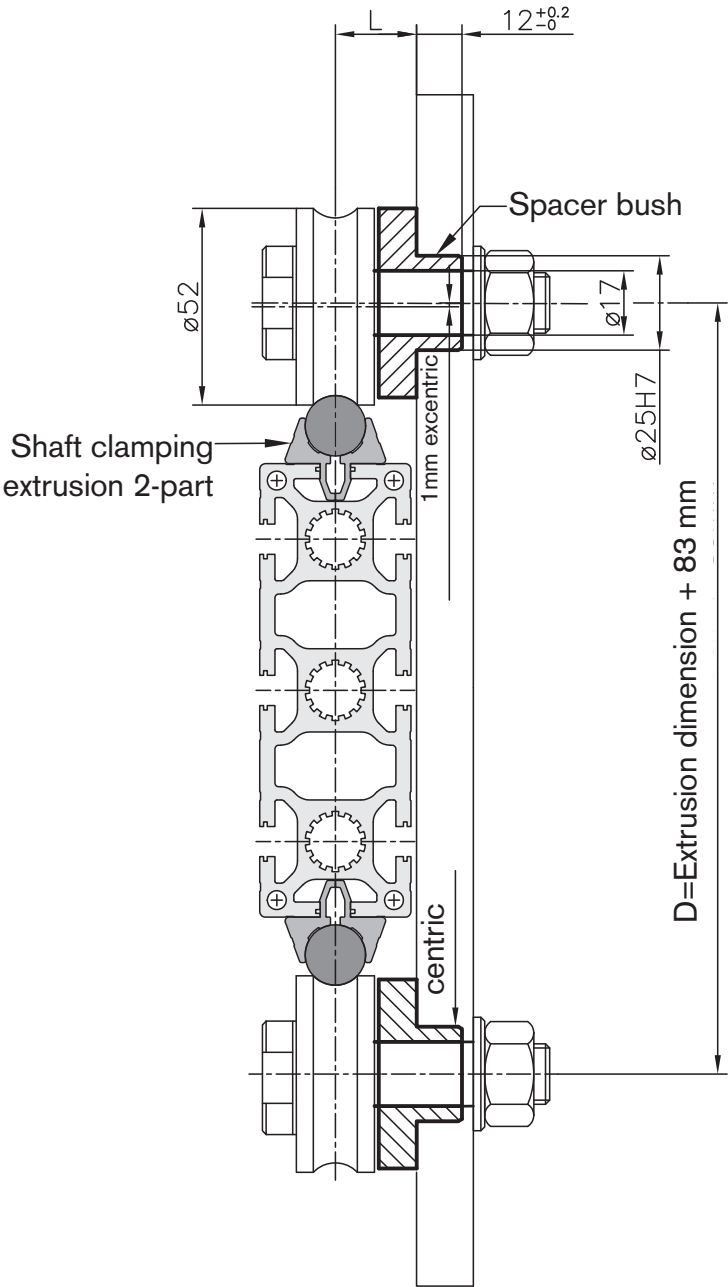
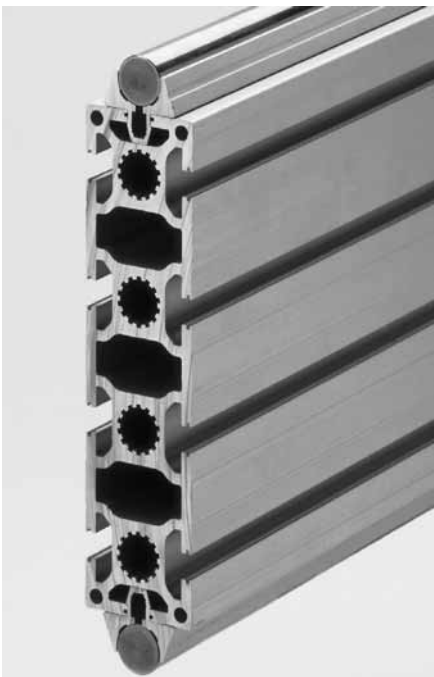
Shaft clamping extrusion complete with steel shafts Cf 53, hardened, ground and with fixing kit.

Order data	Order number
Steel clamping extr., compl.	50 mm base
Standard length 6000 mm	L12-06-00/6000
Cut to length	L12-06-02-02/...
Steel clamping extr., compl.	100 mm base
Standard length 6000 mm	L16-06-00/6000
Cut to length	L16-06-02-02/...

Shaft clamping extrusions 2-part



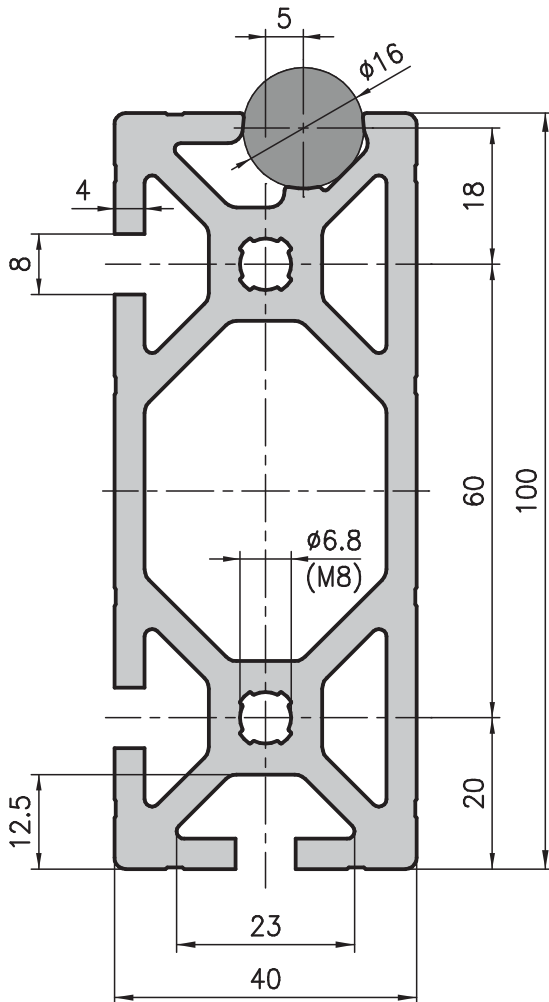
Application
For simple linear guides. The two-part shaft clamping extrusion is used to clip steel shafts Ø16 into all slots of 40 and 50 base extrusions. The beam extrusion can be freely selected depending on the strength requirements. Measure L determines the rollers illustrated on page 191 which are also required.



Specification
Aluminium, matt, anodised in natural colours

Order data	Order number
Shaft clamping extrusion, 2-part	
Standard length 6000 mm	L16-01-00/6000
Cut to length	L16-01-02-02/...

Shaft support extrusion 40x100 type L16-10



Anwendung

The guide extrusion 40x100 is used for high load linear slides. Because of the steel shaft support on one side, the distance between the guides can be freely selected. The shaft is pressed into the designated slot.

A stop can be attached to the front face in the holes $\varnothing 6.8$ with a M8 thread.

Technical data

I_x	= 172.22 cm ⁴
I_y	= 31.92 cm ⁴
W_x	= 33.83 cm ³
W_y	= 15.95 cm ³
Cross-section area	= 16.75 cm ²
Weight	= 4.5 kg/m

Order data

Order number

Shaft support extrusion 40x100

Standard length 6100 mm L16-10-00/6100

Shaft support extrusion 40x100

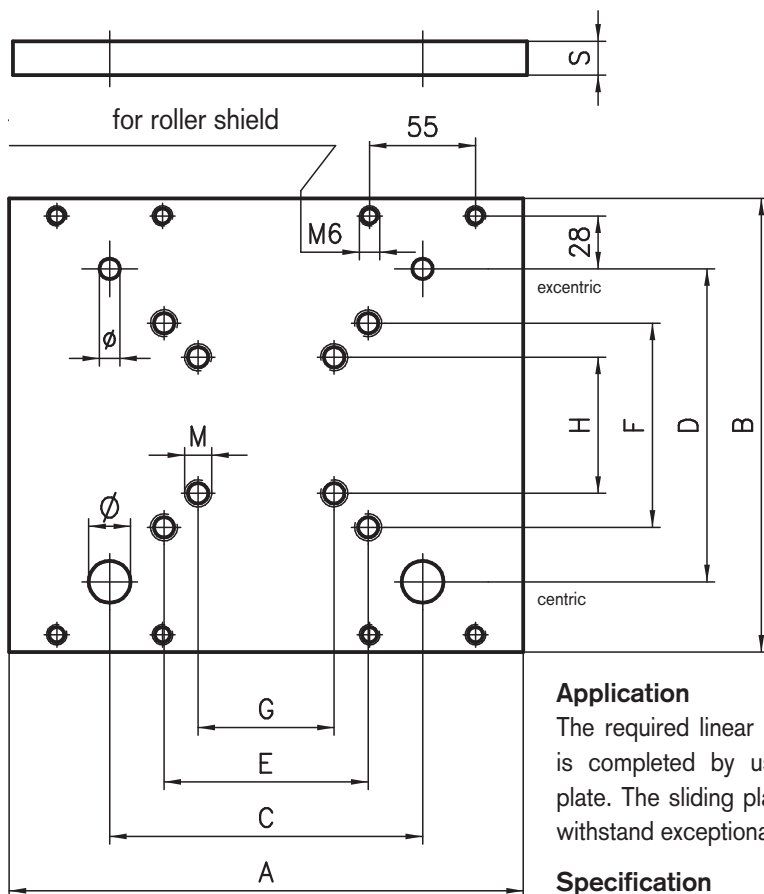
Cut to length L16-10-02-02/...

Extra machining

Pages 55-59



Slide plates



Application

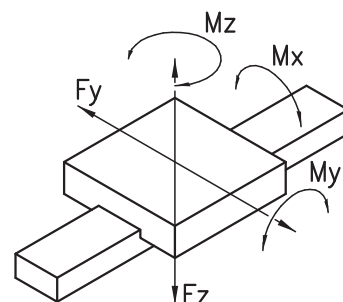
The required linear slide arrangement is completed by use of the sliding plate. The sliding plate is designed to withstand exceptionally heavy loading.

Specification

Raw aluminium



Slide plates acc. to customer drawing



Measurement data

Slide plate for use with shaft clamping extrusion

Base	A	B	C	D	E	F	G	H	M	s	Ø	ø	Weight
50	150	130	110	89	60	60	30	30	8	12	12	10	0.6 kg
100	300	240	200	158	100	100	50	50	8	15	20	17	2.9 kg

Slide plate for use with two part shaft clamping extrusion

Extrusion	A	B	C	D	E	F	G	H	M	s	Ø	ø	Weight
50x150	350	310	250	233	150	150	75	75	8	15	*	17	4.3 kg
40x160	350	320	250	243	150	150	75	75	8	15	*	17	4.5 kg

Loading and moments

static [N/Nm]						dynamic [N/Nm]					
F_y	F_z	M_x	M_y	M_z		F_y	F_z	M_x	M_y	M_z	
3000	1920	35	55	90		3000	1200	22	34	90	
7200	3400	105	160	600		7200	2100	65	100	600	

Order data

Order number

Slide plate for use with shaft clamping extrusion

Base 50 L12-30

Base 100 L16-31

Slide plate for use with two part shaft clamping extrusion

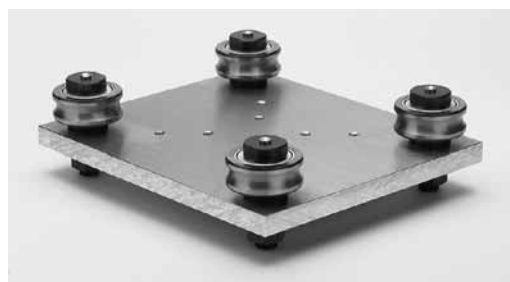
50x150 extrusion L16-35

40x160 extrusion L16-34

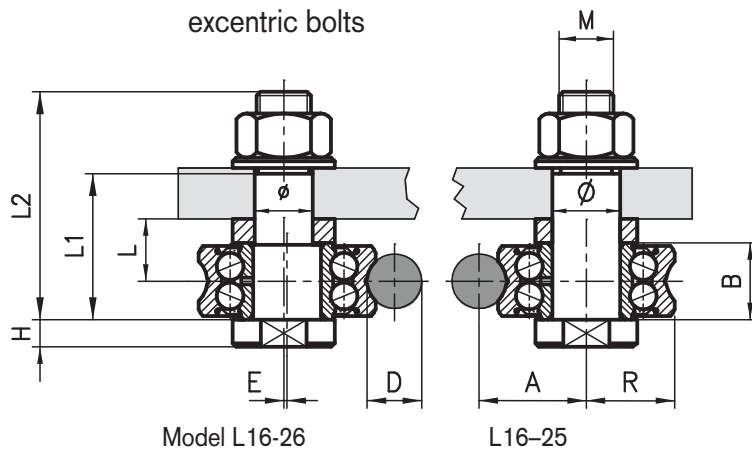
acc. to customer's drawing L12-39

acc. to customer's drawing L16-39

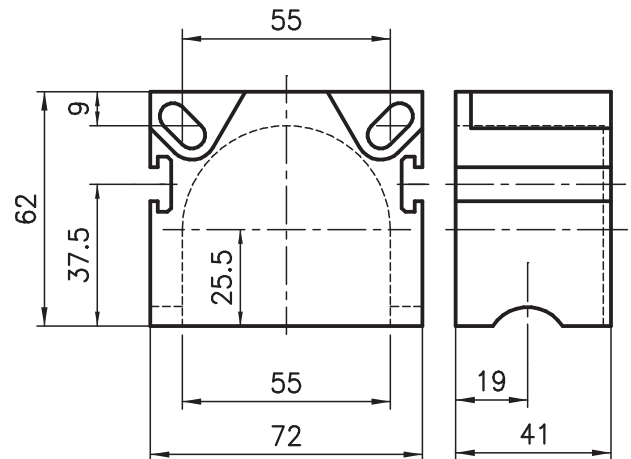
* counter bore for distance bush,
see on page 188



Rollers



Roller shield



Measurement data

D	A	B	E	H	L1	L2	M	R	Ø	ø	Weight	dyn.	stat.
ø12	21.75	15.9	0.75	5	29	45	M10x1.5	17.5	12H7	10	0.15 kg	8400 N	5000 N
ø16	31.5	22.6	1.0	8	44	67	M16x1.5	26	20H7	17	0.42 kg	16800 N	9500 N

Load rating

Application

For use with the slide plates, to do a lineaeer guide-rail.

Specification

Roller: steel 100 Cr6, hardened, grinded
nut and ground bolt and spacer bush:
black steel

Application

Both to guard the roller and ect as a grease scraper

Specification

PA-GF, black

Parts supplied shield complete

1 roller shield
2 grease scrapers
1 set of fixing materials
Weight: 0.15 kg

Order data

Roller for bar Ø12
L = 14

Roller for bar Ø16

L = 18.5 to shaft clamping extrusion

L = 21.5 to shaft clamping extrusion two-part base 40

L = 26.5 to shaft clamping extrusion two-part base 50

Order number

centric
L12-25

L16-25
L16-21
L16-27

eccentric
L12-26

L16-26
L16-22
L16-28

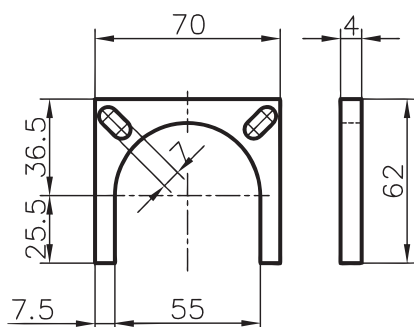
Order data

Roller shield
Rollersshield complete

Order number

L16-40
L16-45

Spacer for the roller shield



Application

As a spacer for the roller shield to adjust the different sizes of the rollers.

Specification

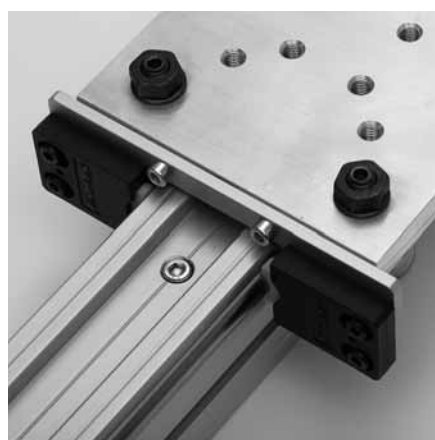
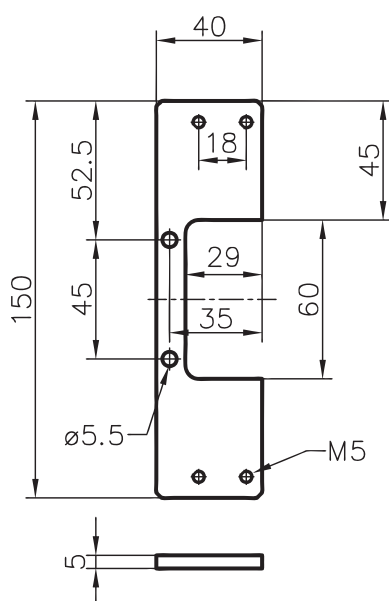
Aluminium, raw

1 pc for roller L=21.5

2 pc for roller L=26.5

Order data	Order number
Spacer	L16-40-04

Grease scraper support



Application

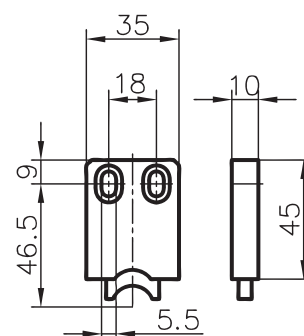
The support fits on the slide plate base 50. Together with the grease scraper the slide for a small linear guide is complete.

Specification

Aluminium, anodised in natural colours

Order data	Order number
Support for grease scraper	L16-43

Grease scraper



Application

The grease scraper is for two functions. On one hand, it cleans the steel bars and on the other it coat the steel bars with a grease film to protect it from rusting.

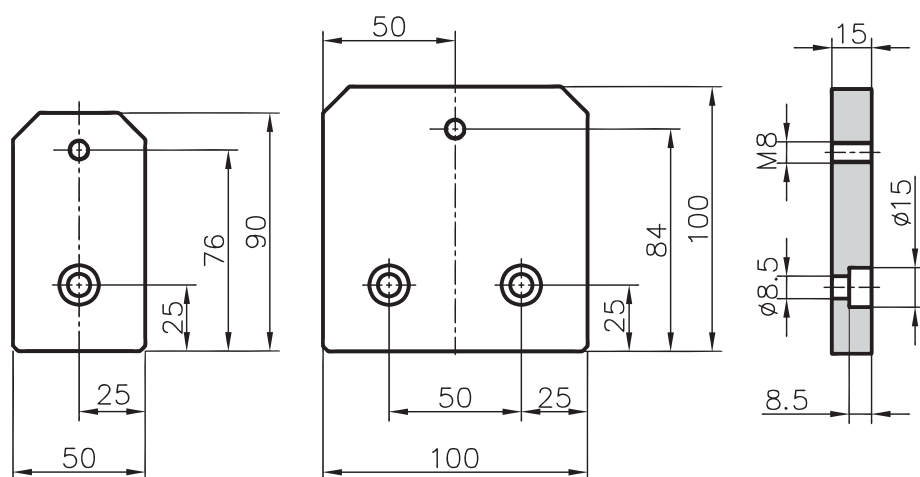
Specification

Shield: PA-GF

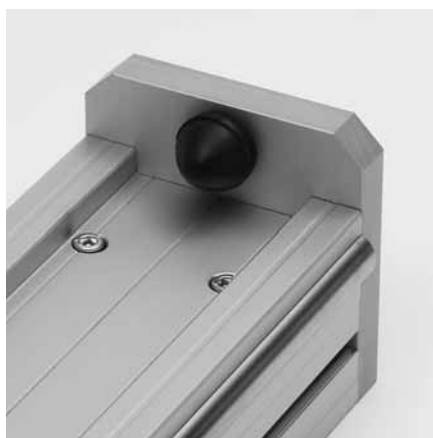
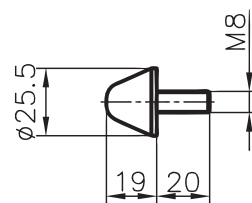
grease scraper: grease-impregnated felt

Order data	Order number
Grease scraper Ø 16	L16-46
Grease scraper Ø 12	L12-46

End stop



Buffer



Application

The end stopper in combination with the buffer is normally screwed on the end of the extrusions base 50, serving as a stop for the linear guides.

Specification

Aluminium, anodised in natural colours

Order data	Order number
End stop 50	L16-55
End stop 100	L16-53



Application

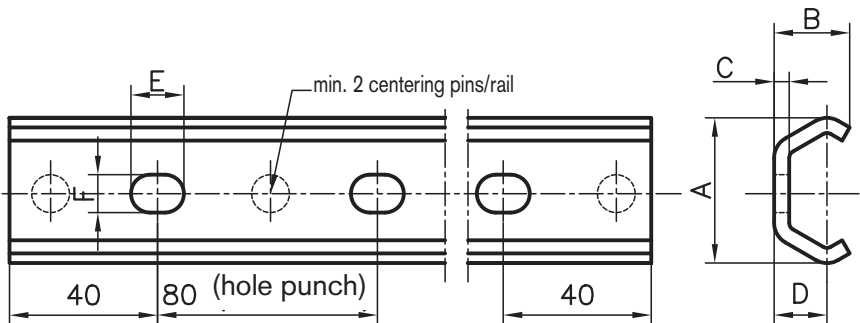
For use as an end stop for linear guides

Specification

rubber, highly deformable

Order data	Order number
Buffer	L16-50

C-guide rails



Measurement data

Size	A	B	C	D	E	F	kg/m
20	19.2	10	2	7	7	5	0.47
30	29.5	15	2.5	10	8.4	6.4	0.9
45	46.4	24	4	15.5	11	9	2.3

Application

The guide rail can be subjected to high loads thanks to its optimum shaping. It is screwed directly onto the structure extrusions. Centering pins align the rail parallel with the extrusion.

Combined with the suitable slides, it is possible to produce accurate and inexpensive linear guides. Three sizes are available.



Specification

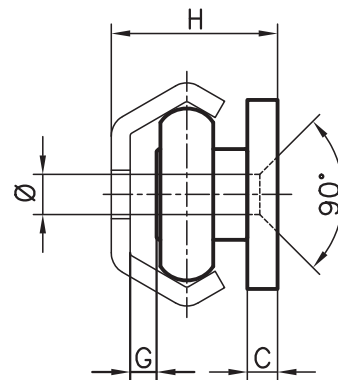
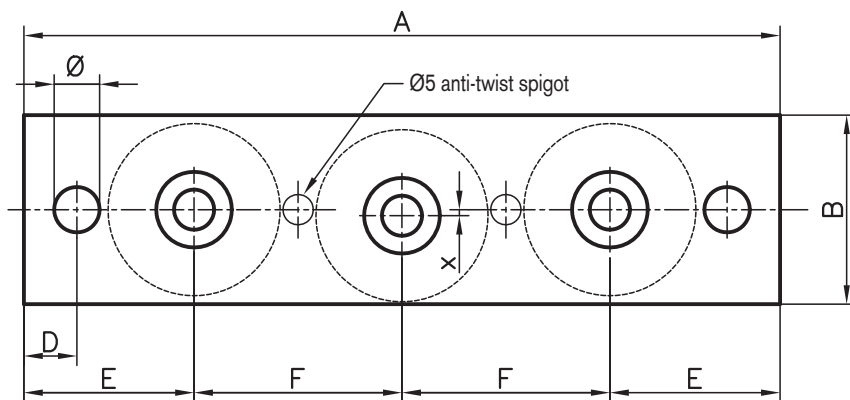
Stainless steel

Order data Order number

Size 20	
Standard length 4000 mm	L20-01-00/4000
Cut to length	L20-01-02-02/...
Size 30	
Standard length 4000 mm	L30-01-00/4000
Cut to length	L30-01-02-02/...
Size 45	
Standard length 6080 mm	L45-01-00/6080
Cut to length	L45-01-02-02/...



Slides



Measurement data

Size	A	B	C	D	E	F	G	H	Ø	ø	x
20	75	18	3	6	18.5	19	2.5	16	5.2	4.5	0.5
30	96	25	4	6	23.5	24.5	3.5	22	6.2	5.5	0.5
45	155	45	4	8	34	43.5	5	31	8.2	6.6	0.6

Load ratings

Size	F _{rad}	F _{ax}
20	300N	170N
30	800N	400N
45	1600N	860N

Application

Mainly for horizontal and vertical guides, in particular for drawer runners subjected to heavy loads, lifting and sliding doors as well as height adjustable work benches, or any application where larger loads need to be moved back and forth.

Specification

Stainless steel

Other slide dimensions available on request

Technical data

Temperature range:
-20°C to max. +100° C max.
Displacement speed: 1.5 m/s

The flat slide means the design is compact. It is screwed directly onto the structure extrusions. Two anti-twist spigots position the slide parallel to the extrusion.

Both outer rollers support the load. Markings show the contact side to the guide rail. The middle roller can be set to the desired preload using the excentric screw.

Order data

Order number

Slide including rollers

Size 20	L20-20
Size 30	L30-20
Size 45	L45-20

Roller system

Application

The roller tracks, together with special clamps, are simply mounted to the Kanya 50, 40 and 30 base aluminium extrusions.

The roller track system can be used for all types of conveyance and removal of material and goods. Examples of typical applications

- Roller transport via gravity for all types of boxes
- Roller transport connections between workstations
- Roller conveyance to work benches
- Material roller transport within a machine production plant
- Accurate positioning of boxes

The range includes rollers with and without guide flange. All roller tracks are also available as ESD version.

Technical description

Roller tracks are made from bent steel sheets, galvanised, 0.8mm, width 36mm, overall height 36mm
Axes made from zinc-coated steel, diameter 3mm
Bore holes with diameter 4.1mm at the base of the roller track



Roller tracks

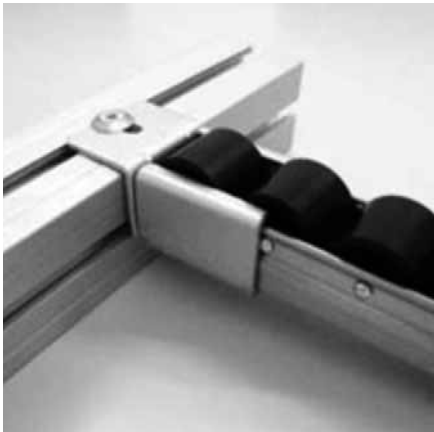
Vertical load up to 40 kg per roller (lying on flat surface)

Product advantages

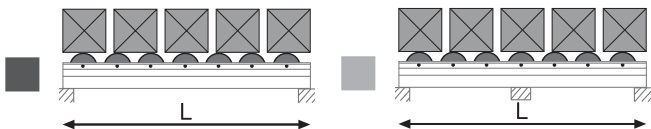
The special shape of the steel sheet allows the roller track to close when under load. This significantly increases the resistance against twisting or bending.

Loads

The roller tracks (one pair) can be subjected to loads as follows, according to the length:

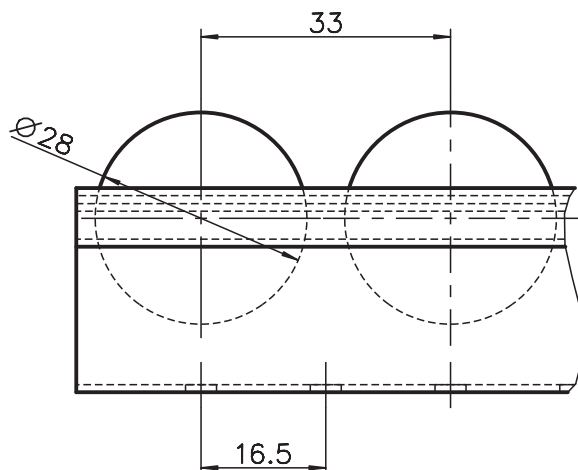
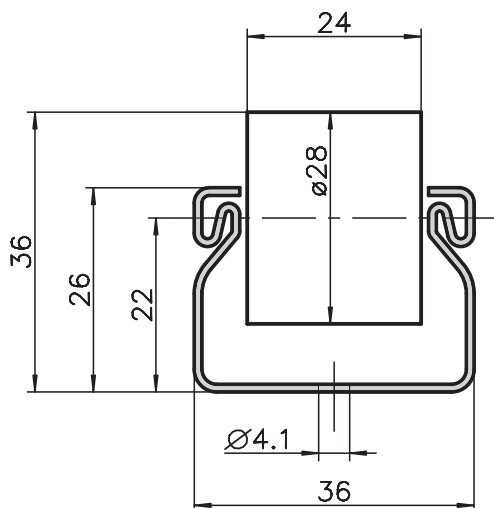


Clamping for easy fixing of roller tracks to extrusions and tubes



Measurement data															
■	L (mm)	1.500	1.400	1.300	1.200	1.100	1.000	900	800	700	600	500			
	Σ Kgs.	75	80	88	95	105	117	130	153	177	212	250			
■	L (mm)	3.000	2.800	2.600	2.400	2.200	2.000	1.800	1.600	1.500	1.400	1.300	1.200	1.100	1.000
	Σ Kgs.	132	148	164	185	205	230	259	304	356	400	450	500	550	600

Roller tracks, flat type L80 –1/L80 –1-ESD



Application

These roller tracks are ideal for use with storage and transportation racks. For lightweight transport of items, this self-supporting rail can be used for up to 3m. For packaging tables, assembly workstations and devices in process operations, these simplify the transport of goods and logistics.

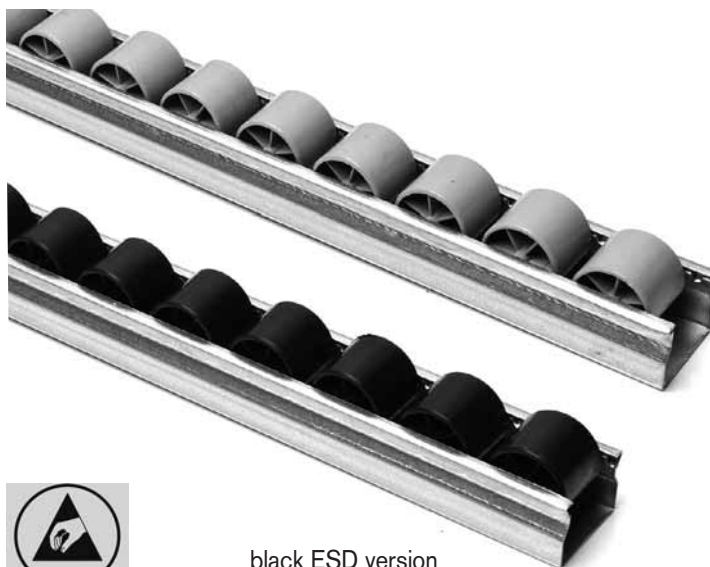
Specification

Steel rail
Plastic rollers with steel axes

Technical description

Distance between roller axes is 33mm, weight: 0.86 kg/m; rollers made of polypropylene, diameter 28mm, width 24mm, ESD version with electrostatic discharge (resistance coefficient during throughput of electricity of $28.8\Omega/\text{cm}^2$)

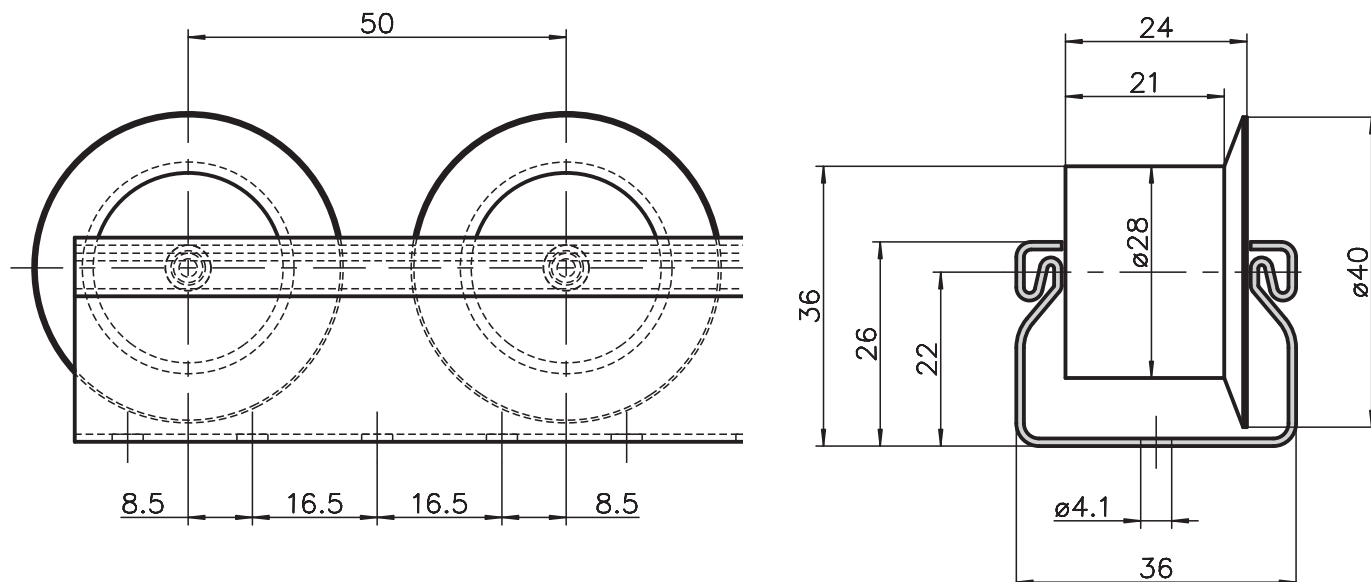
Rollers available in other colours on request when ordering more than 300m.



black ESD version

Order data	Order number
Roller track	
Standard length	L80-1-00/3000
Cut to length	L80-1-S2-S2/...
ESD roller track	
Standard length	L80-1-ESD-00/3000
Cut to length	L80-1-ESD-S2-S2/...

Roller tracks with guide flange type L80-2/L80-2-ESD

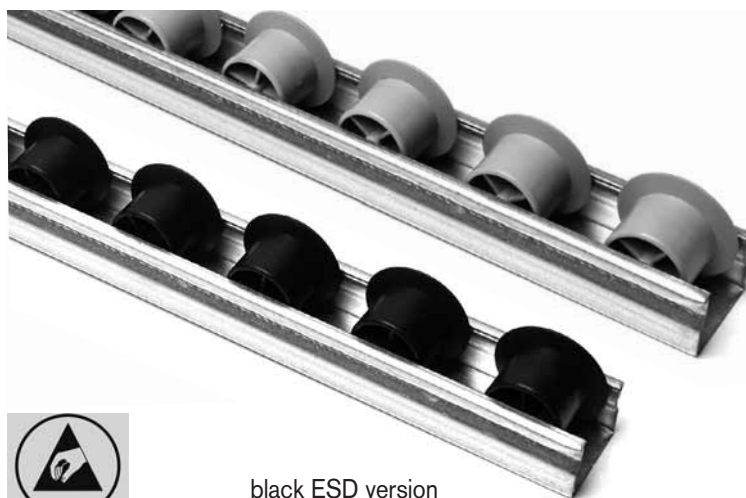


Application

These roller tracks are ideal for use with storage and transportation racks. Light-weight transport of items is kept within the track by the side guide.

Specification

Steel rail
Plastic rollers with steel axes

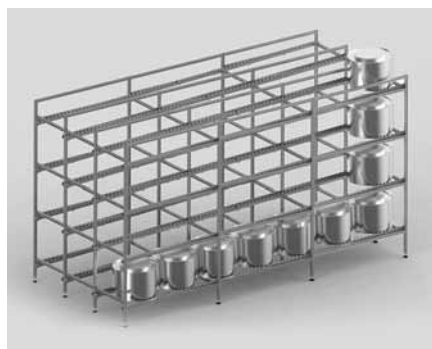


black ESD version

Technical description

Distance between roller axes is 50mm, weight: 0.9 kg/m; rollers made of polypropylene, diameter 28mm, width 25mm. ESD version with electrostatic discharge (resistance coefficient during throughput of electricity of $28.8\Omega/\text{cm}^2$)

Rollers available in other colours on request when ordering more than 300m..



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

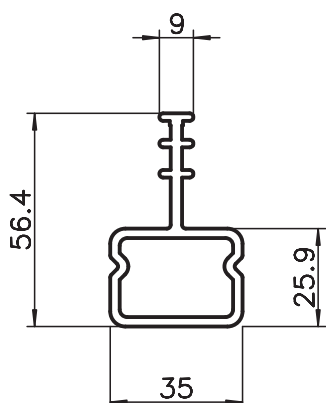
Roller track with guide flange

Standard length	L80-2-00/3000
Cut to length	L80-2-S2-S2/...

Roller track with ESD guide flange

Standard length	L80-2-ESD-00/3000
Cut to length	L80-2-ESD-S2-S2/...

Centre guide to roller tracks type L80-50, white type L80-50 ESD, black

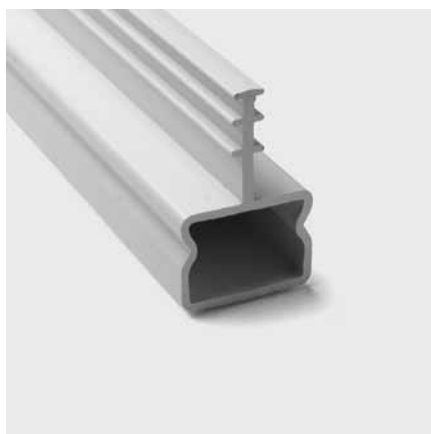


Application

For guiding and positioning on the transport tracks. Quick visual overview of each individual transport track and ideal product for guiding cardboard boxes, as a replacement for the guide flange rollers. This centre guide stops the items being transported from moving sideways.

Technical description

Made of extruded, recycled thermoplastic plastic strip with no colouring; weight: 0.485 Kg /m; colour: white (standard version), ESD black; ESD features: electric resistance of 28 Ω/cm^2 ; ABS 103-104 Ω/cm^2



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

Centre guide, white

Standard length 3000mm L80-50-00/3000

Centre guide, white

Cut to length L80-50-S2-S2/....

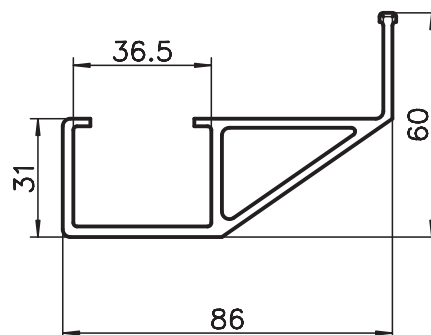
ESD centre guide, black

Standard length 3000mm L80-50-ESD-00/3000

ESD centre guide, black

Cut to length L80-50-ESD-S2-S2/....

Outer guide type L80-70, white type L80-70-ESD, black



Technical description

Material design same as centre guide; weight 0.80 kg/m; Position of side wing: 50 mm from the edge of the wheel

Application

For lateral guiding of goods being transported. For guiding and positioning on the transport tracks. Ideal for maximising the storage space on the shelf since this outer version requires virtually no installation space.

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

Outer guide, white

Standard length 3000mm L80-70-00/3000

Outer guide, white

Cut to length L80-70-S2-S2/...

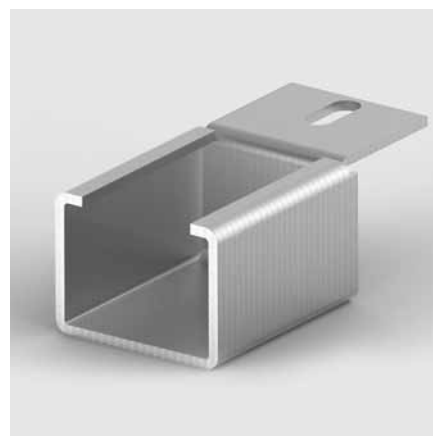
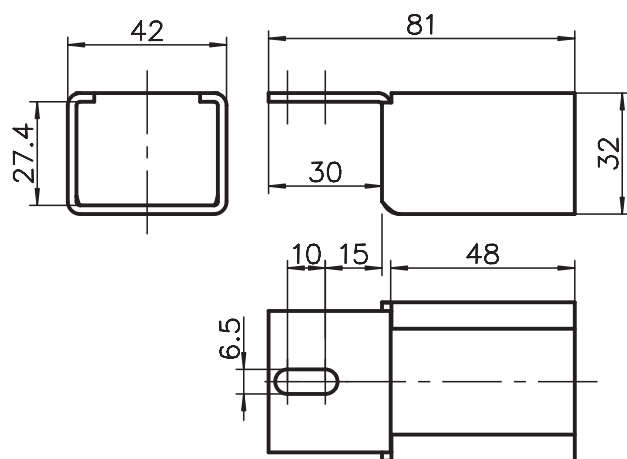
ESD outer guide, black

Standard length 3000mm L80-70-ESD-00/3000

ESD outer guide, black

Cut to length L80-70-ESD-S2-S2/...

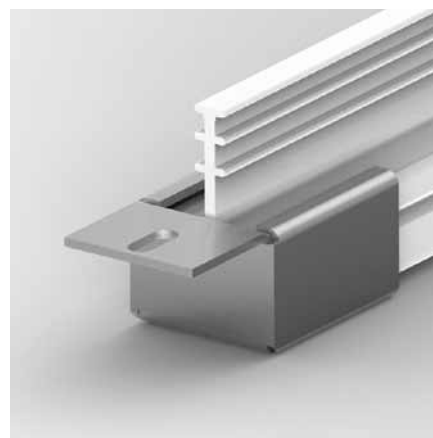
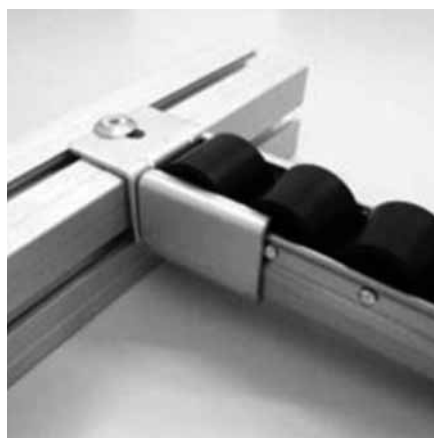
Roller track adapter type L80-90



Application

This roller track adapter can be screwed onto the 30 /40 /50 series base extrusions. The roller tracks are pushed in and attached to an extrusion structure.

Replacing or moving them is simple.



Order data

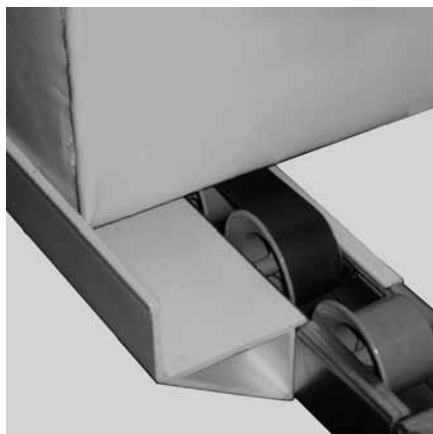
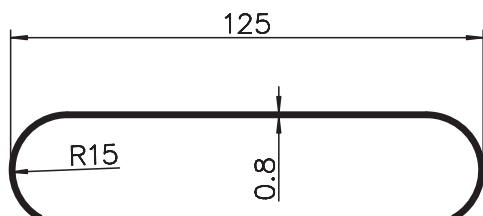
Order number

Roller track adapter

L80-90



Roller stopper type L80-30

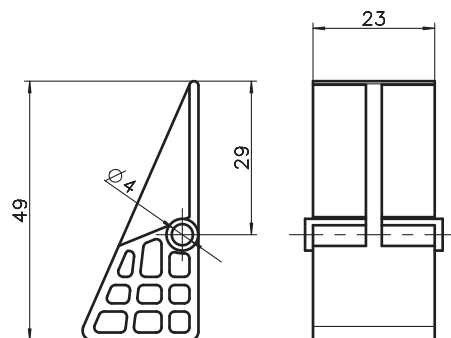


Application

This roller stopper can be used to finish off the roller tracks to make it easier to remove containers, transportation boxes or packages. The goods being transported slides onto the roller stop and comes to a standstill. The items being transported can now be removed without having to lift them.

Order data	Order number
Roller stopper	L80-30

Anti-return type L80-31

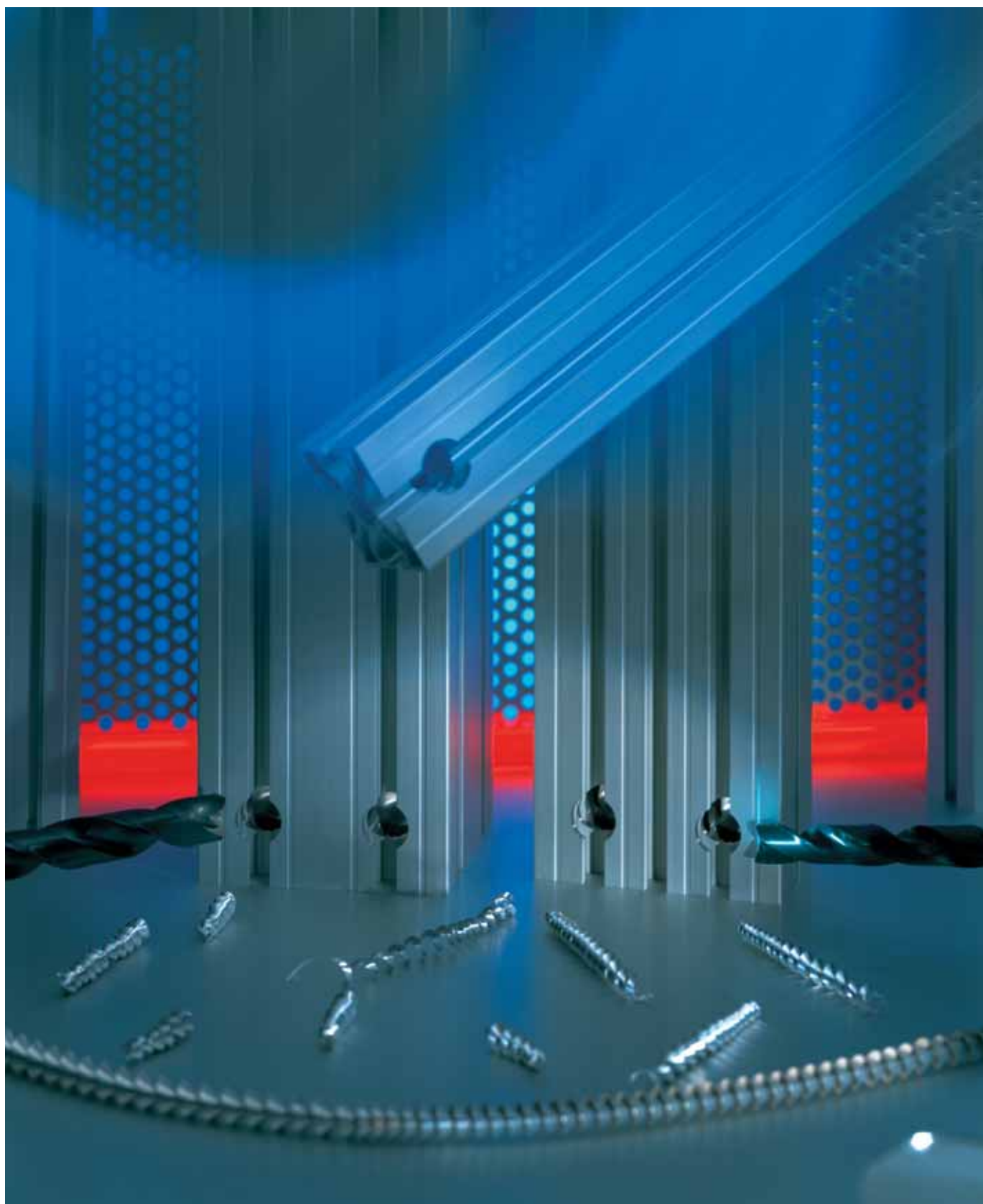


Application

This element prevents the return of the item being transported. Installed in the right place, this easy-to-install element offers a great solution to the flow of material.

This piece can be used as a simple stop at the end of a roller track to prevent boxes or containers from falling off.

Order data	Order number
Anti-return	L80-31



Drill jig and special drill bits

Application

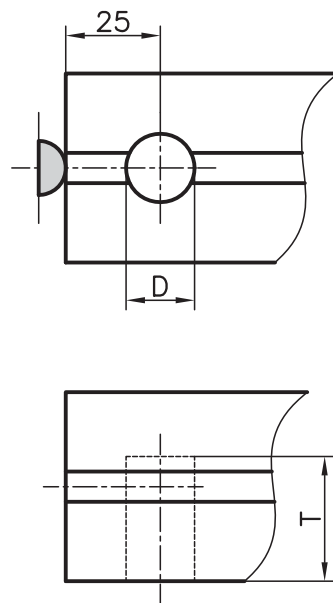
The drill jig and special drill bits make it easy to drill the holes for KANYA's patented PVS connector. The main advantage of the drill jig is that it clamps directly onto the extrusion. The rotating stop, for square or mitred cuts, guarantees the precise drilling distance.

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 C03-8, B01-8 softline extrusion and the A02-8 and C02-8 angle extrusions.

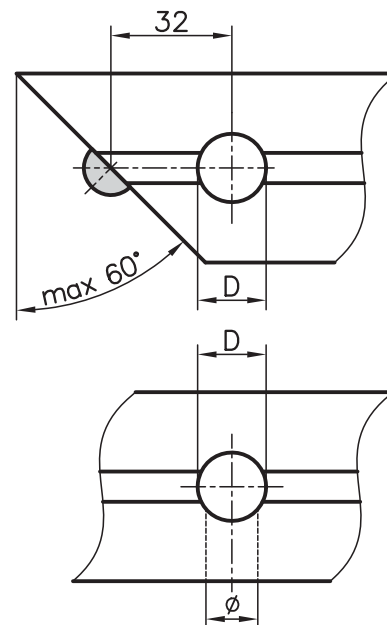
Standard 90° joint

"25" stop 



Mitre joint

"32" stop 



That drill, allows a connection for a parallel connector at any position at the extrusion.



Machining data

Extrusion type	D	Ø	A2	T
50 base	18.1	13.7	32	33
40 base	18.1	13.7	32	28
30 base	15.1	12.1	32	22
20x47/95/150 base	15.1		32	18
20x20/40 base	7.3		25	

* with a centre hole \varnothing 6mm

Note

The 7.3 mm \varnothing holes for 20x20/40 extrusions are drilled using a normal twist drill bit without a drill jig.

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

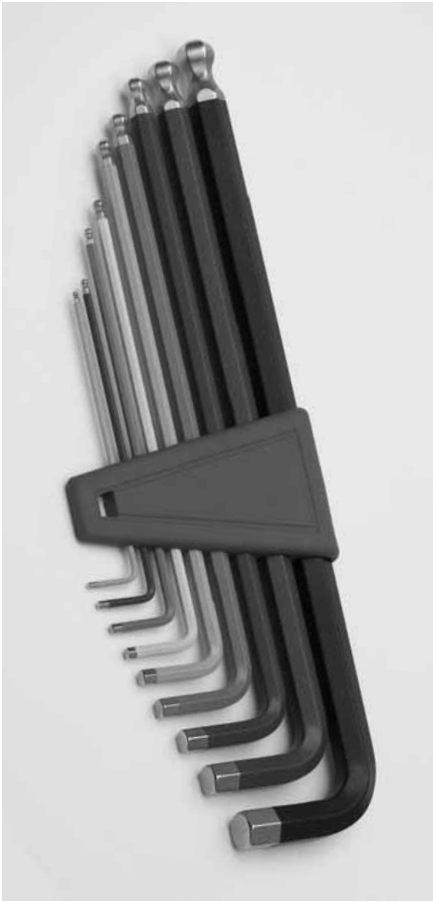
A02-8, C02-8, C03-8 extrusions

A96-3

B01-8 extrusion

B96-3

Allen key set
SW 1.5 –10



Application

For all screw-in parts with hex key.

The ball-shaped ends allows it to screw into angular positions with the allen key. This is necessary for the function of the new patent PVS®-EASY connector.

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

Allen key set SW 1.5 – 10	E97-5
------------------------------	-------

SW = wrench size

KANYA Allen key
SW 6



Specification

Zinc-coated steel

Order data	Order number
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KANYA Allen key SW 6 short	E97-1
KANYA Allen key SW 6 long	E97-2

Allen key for
PVS® screw Safe



Application

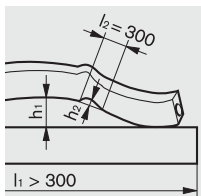
Special Allen key for the PVS® connectors with PVS® screw Safe M12x12.

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

KANYA Allen key for PVS® screw Safe	E97-2-S 125-80-S
--	---------------------

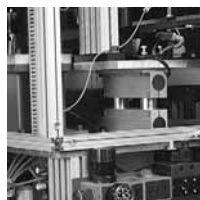


Summary of Contents



Technical Data

Page 207



Applications

Pages 208–211



Clamp Joints without Flange

Pages 212–216



Clamp Joints with Flange

Pages 217–218



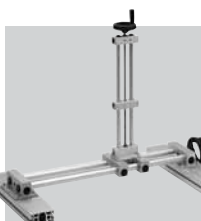
Swivel Clamps

Pages 219–220



Basic Components for Adjustable Units

Pages 221–224



Adjustable Units

Pages 225–227



Aluminium Extrusions

Pages 229–230



Aluminium Tubes

Page 231



Accessories

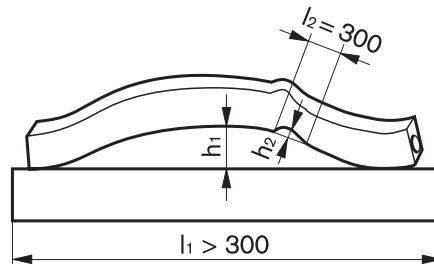
Pages 232–235

Extrusion tolerances – extract from EN 12020-02

1. Straightness tolerances

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

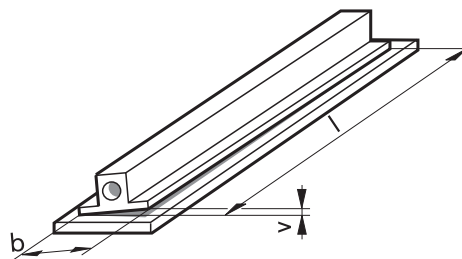
Length l_1 in m	bis 1	bis 2	bis 3
Tolerance h_1 in mm	0.7	1.3	1.8



2. Distortion Tolerance v

The distortion tolerance v for cavity extrusions subject to length is shown in the table.

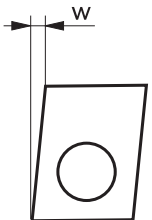
Width b in mm Measurement Range		Flatness Tolerance v in mm for lengths in mm		
over	up to	– bis 1000	over 1000 up to 2000	over 2000 up to 3000
–	25	1.0	1.5	1.5
25	50	1.0	1.2	1.5
50	75	1.0	1.2	1.2
75	100	1.0	1.2	1.5
100	125	1.0	1.5	1.8



Diameter $D/D1$ in mm	D Tolerance in mm	$D1$
12	0 / +0.05	0 / -0.1
15	0 / +0.05	0 / -0.1
20	0 / +0.1	0 / -0.15
30	0 / +0.1	0 / -0.2
40	0 / +0.1	0 / -0.2
50	0 / +0.1	0 / -0.2

3. Angular Tolerance w

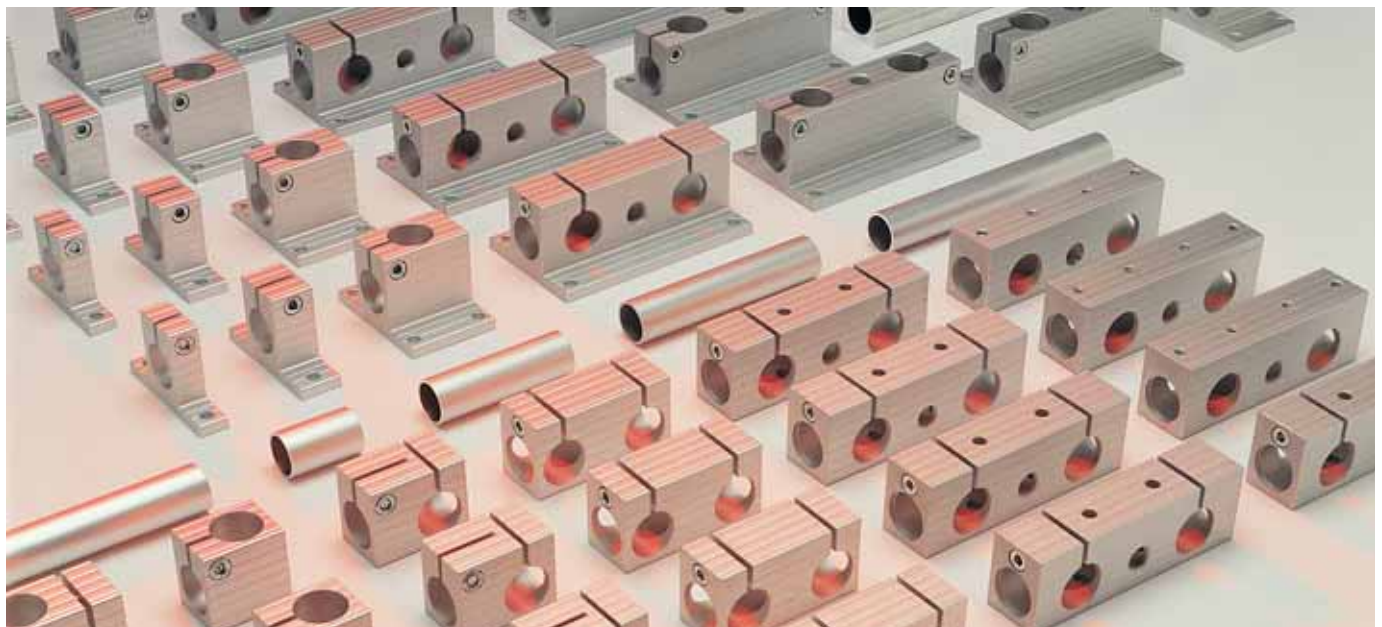
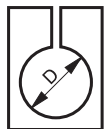
If side lengths are unequal, the angular tolerance relates to the angle of the shorter side.



Width b in mm		Inclination tolerance w in mm
over	up to	
–	30	0.3
30	50	0.4
50	80	0.5
80	100	0.6
100	120	0.7

4. Diameter $D/D1$ Tolerances

The tolerances shown in the Table below relate to the Diameter $D/D1$ in each case, as shown in the technical drawings.

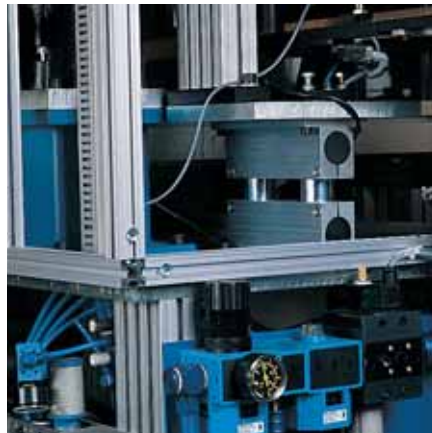


Application examples – apparatus

The KANYA modular construction kit system really offers an unlimited range of applications for very special design and construction problems.

Examples from the Field of Apparatus and Machine Construction.

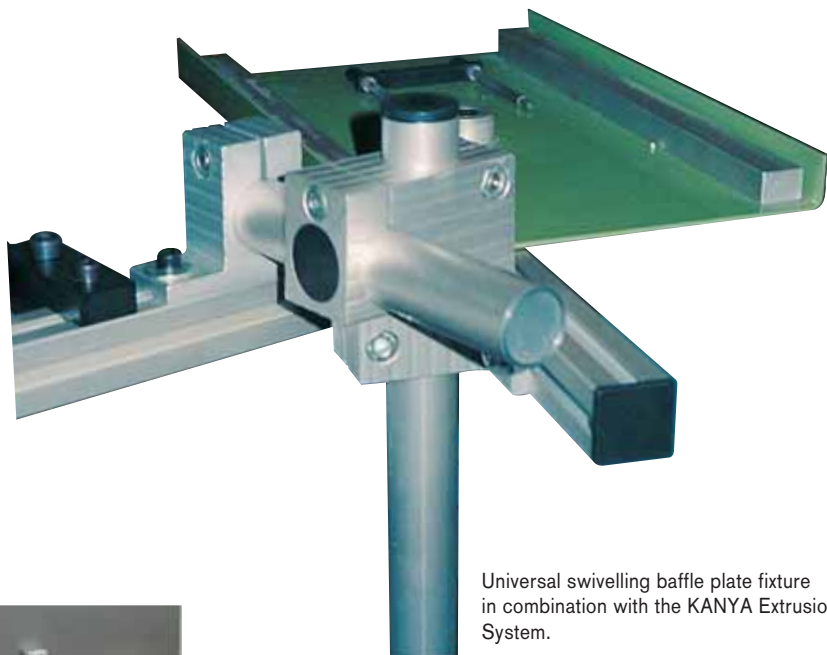
The KANYA Tube Clamp System provides creative and versatile solutions in response to a huge variety of requirements in the field of machine and apparatus construction. Perfect function combined with outstanding appearance. Innovation knows no bounds!



Handling equipment carrier with simple adjustment.



Spray fixture in a powder coating unit. The low weight of the fixture keeps the acceleration and deceleration forces down. The joints have good electrical conductivity properties.



Universal swivelling baffle plate fixture in combination with the KANYA Extrusion Joint System.



Push-pull device on an equipment and storage trolley for telephone installation work.



An easily adjustable photocell fixture.



Device to hold optical test equipment



Swing arm with cable reel fixture for automatic insulating unit.



Continuously adjustable fixture for the ink jet heads on a coder.



Protective covering guide device on automatic assembly unit, with weight compensation in the aluminium tubes.



Couplable / decouplable drive on an X/Y adjustable unit for a micro-coating drum. The electric motor is in the decoupled position.



The electric motor in the coupled position.

Process engineering calls for universal simplicity and speed when equipment has to be rearranged. What could be more suitable than a well thought-out Tube Clamp System?

Examples of Laboratory and Process Engineering Uses.

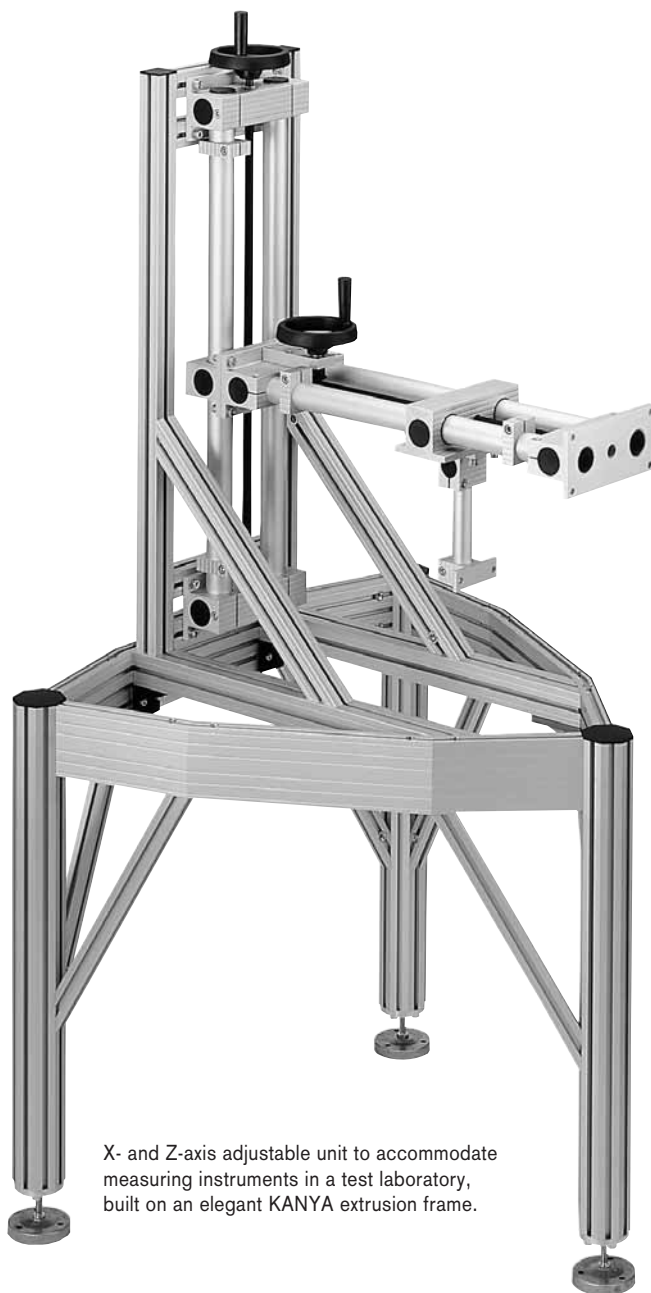
Slacken off the clamp screws, move the joint and secure it in the new position: the arrangement you want is set in place. But the Tube Clamp System's light and elegant appearance also makes it excellent for use in permanently fixed structures. Optimal stability is guaranteed thanks to the precision-made clamp joints, which are manufactured on CNC machines. KANYA will also manufacture special parts on request, and is always ready to help by providing professional advice.



Adjustable vacuum plate to process a variety of chair backs.



Bubble column reactor for liquid / gas phase reactions, with a tempering sheath and gas absorption device.



Labelling machine with swing arm for gluing.



Test equipment with tube structures in a medical laboratory.



Adjustable fixture for control box.

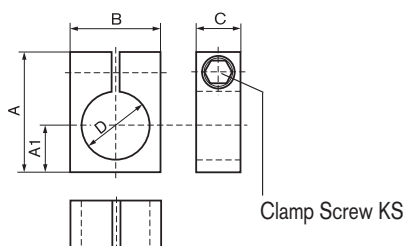


Mounting for a spoked wheel.



Document holder with swing arm, adjustable for height and length.

Clamp Ring

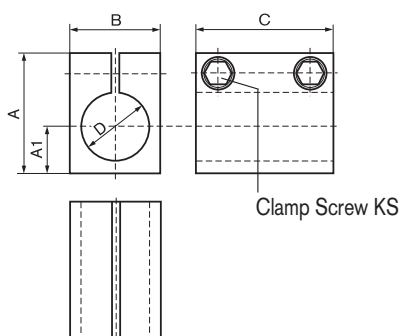


Use

Normally used as a stop, or as a holder for limit switches or similar.

Nominal Diameter	Dimensions						Weight in kg	Order number
	A	A1	B	C	D	KS		
12	24	8	16	32	12	M4	–	on request
20	36	13	30	20	20	M6	0.045	R02-15
30	52	20	40	20	30	M8	0.080	R03-15
40	62	25	50	20	40	M8	0.105	R04-15
50	72	30	60	20	50	M8	0.135	R05-15

Joining Clamp



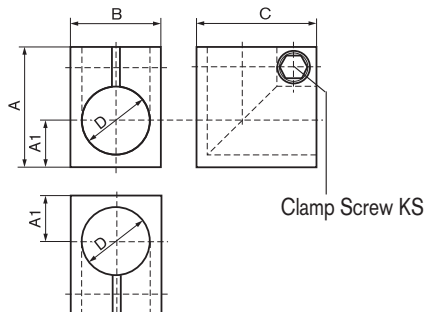
Use

To extend tubes and as a stop for large forces.

Nominal Diameter	Dimensions						Weight in kg	Order number
	A	A1	B	C	D	KS		
12	24	8	16	32	12	M4	–	on request
20	36	13	30	40	20	M6	0.085	R02-01
30	52	20	40	60	30	M8	0.225	R03-01
40	62	25	50	80	40	M8	0.395	R04-01
50	72	30	60	100	50	M8	0.625	R05-01

For diameter D tolerances, see page 207

Angle Clamp



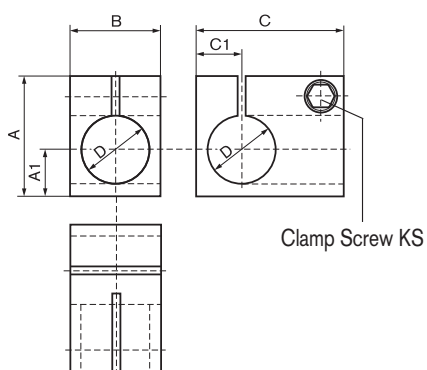
Use

Attractive corner joint for normal loads.

For reasons of stability, it is recommended that tubes in angle clamp joints are cut at 45°.

Nominal Diameter	Dimensions		B	C	D	KS	Weight in kg	Order number
	A	A1						
12	24	8	16	32	12	M4	–	on request
20	36	13	30	36	20	M6	0.060	R02-02
30	52	20	40	52	30	M8	0.150	R03-02
40	62	25	50	62	40	M8	0.225	R04-02
50	72	30	60	72	50	M8	0.320	R05-02

T Clamp



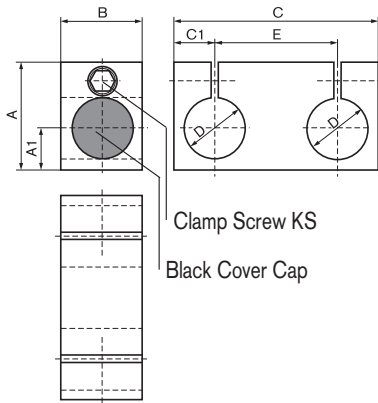
Use

Cross joints where only one tube needs to be movable.

Nominal Diameter	Dimensions		B	C	D	KS	Weight in kg	Order number
	A	A1						
12	24	8	16	32	12	M4	–	on request
20	36	13	30	45	13	20	M6	0.080
30	52	20	40	65	20	30	M8	0.215
40	62	25	50	85	25	40	M8	0.365
50	72	30	60	105	30	50	M8	0.560

For diameter D tolerances, see page 207

Parallel Clamp

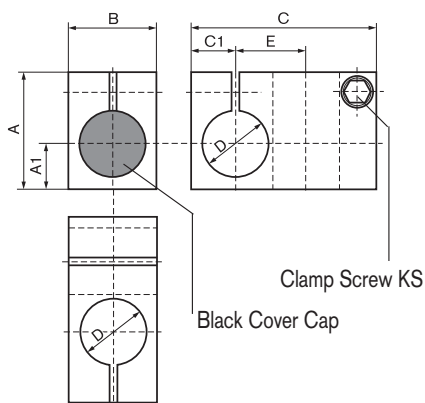


Use

To strengthen structures (by doubling) or to extend tubes on different levels.

Nominal Diameter	Dimensions								Weight in kg	Order Number
	A	A1	B	C	C1	D	E	KS		
12	24	8	16	42	9	12	24	M4	–	on request
20	36	13	30	66	13	20	40	M6	0.110	R02-04
30	52	20	40	100	20	30	60	M8	0.310	R03-04
40	62	25	50	130	25	40	80	M8	0.535	R04-04
50	72	30	60	160	30	50	100	M8	0.815	R05-04

Cross Clamp



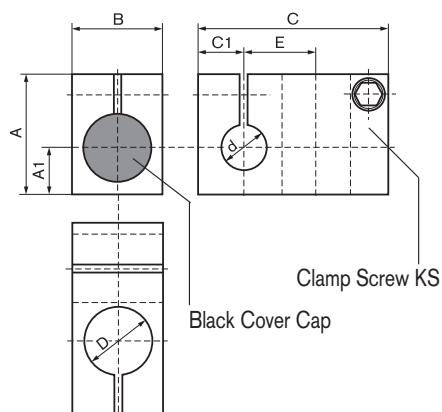
Use

This is the most frequently used clamp. It can hold two freely movable tubes, offset at 90°.

Nominal Diameter	Dimensions								Weight in kg	Order Number
	A	A1	B	C	C1	D	E	KS		
12	24	8	16	38	9	12	13	M4	0.022	R01-05
20	36	13	30	58	13	20	22	M6	0.095	R02-05
30	52	20	40	84	20	30	32	M8	0.235	R03-05
40	62	25	50	104	25	40	42	M8	0.370	R04-05
50	72	30	60	124	30	50	52	M8	0.535	R05-05

For diameter D tolerances, see page 207

Cross Clamp with different Ø



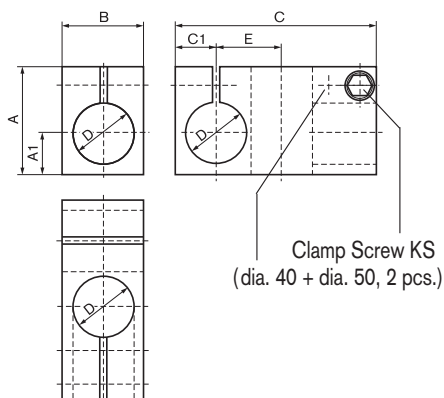
Use

This is the most frequently used clamp. It can hold two freely movable tubes, offset at 90°.

Nominal Diameter	Dimensions									Weight in kg	Order Number
	A	A1	B	C	C1	D	d	E	KS		
20 / 12	36	13	30	58	13	20	12	22	M6	0.102	R02-07.12
30 / 12	52	20	40	84	20	30	12	32	M8	–	on request
30 / 20	52	20	40	84	20	30	20	32	M8	0.255	R03-07.20
40 / 20	62	25	50	104	25	40	20	42	M8	0.420	R04-07.20
40 / 30	62	25	50	104	25	40	30	42	M8	0.400	R04-07.30
50 / 40	72	30	60	124	30	50	40	52	M8	0.585	R05-07.40

For diameter D tolerances, see page 207

Cross T-Clamp

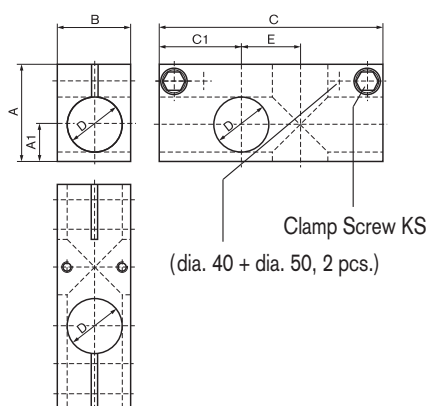


Use

Tubes can exit from this clamp in three directions, but only the same two tubes as in the Cross Clamp (page 214) pass all the way through the joint.

Nominal Diameter	Dimensions								Weight in kg	Order Number
	A	A1	B	C	C1	D	E	KS		
12	24	8	16	40	9	12	13	M4	–	on request
20	36	13	30	65	13	20	22	M6	0.105	R02-10
30	52	20	40	98	20	30	32	M8	0.285	R03-10
40	62	25	50	125	25	40	42	M8	0.470	R04-10
50	72	30	60	155	30	50	52	M8	0.730	R05-10

Universal Clamp



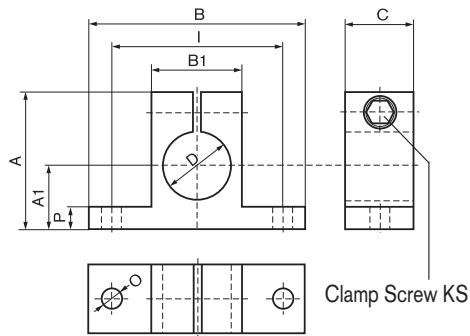
Use

As its name implies, the four tube exits on this joint make it suitable for universal use.

Nominal Diameter	Dimensions								Weight in kg	Order Number
	A	A1	B	C	C1	D	E	KS		
12	24	8	16	53	20	12	13	M4	–	on request
20	36	13	30	82	30	20	22	M6	0.145	R02-11
30	52	20	40	122	45	30	32	M8	0.375	R03-11
40	62	25	50	162	60	40	42	M8	0.650	R04-11

For diameter D tolerances, see page 207

Horizontal Clamp



Use

This joint is normally used as a pedestal bearing. However, it can also be used as a holder for screwed-on parts.



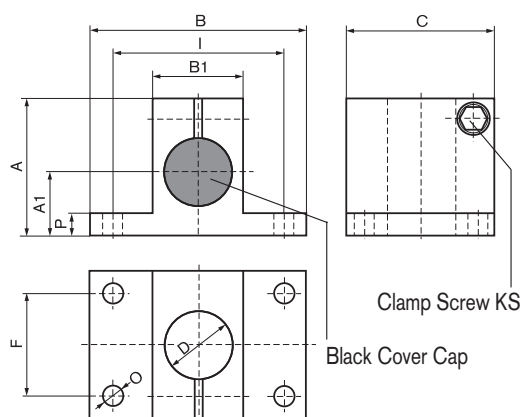
Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	B1	C	D	I	O	P	KS		
12	28	12	35	16	15	12	25	6	4	M4	0.015	R01-60
15	45	22	65	30	20	15	50	7	8	M6	0.088	R15-60
20	45	22	65	30	20	20	50	7	8	M6	0.080	R02-60
30	60	28	95	40	30	30	75	9	8	M8	0.170	R03-60
40	72	35	95	50	40	40	75	9	10	M8	0.295	R04-60
50	82	40	120	60	50	50	100	9	10	M8	0.470	R05-60

Tube Cleat

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	B1	C	D	I	O	P	KS		
30	60	28	95	40	20	30	75	9	8	M8	0.115	R03-65
40	72	35	95	50	20	40	75	9	10	M8	0.150	R04-65
50	82	40	120	60	20	50	100	9	10	M8	0.195	R05-65

For diameter D tolerances, see page 207

Vertical Clamp

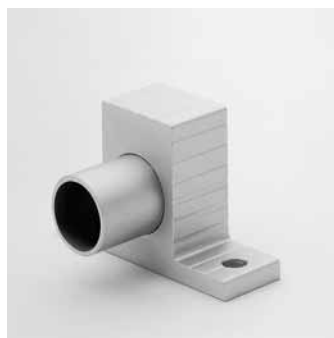
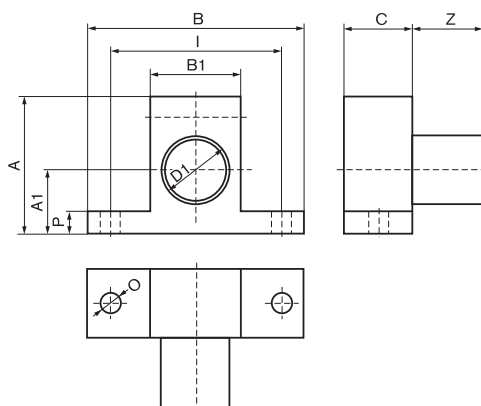


This is the elementary component for a wide variety of constructions, whether as a flange, a build-on joint or a holder.

Nominal Diameter	Dimensions										Weight		Order Number
	A	A1	B	B1	C	D	F	I	O	P	KS	in kg	
12	28	12	35	16	32	12	–	25	6	4	M4	0.029	R01-50
20	45	22	65	30	45	20	25	50	7	8	M6	0.135	R02-50
30	60	28	95	40	65	30	50	75	9	8	M8	0.310	R03-50
40	72	35	95	50	75	40	50	75	9	10	M8	0.440	R04-50
50	82	40	120	60	85	50	50	100	9	10	M8	0.610	R05-50

For diameter D tolerances, see page 207

End Swivel Clamp

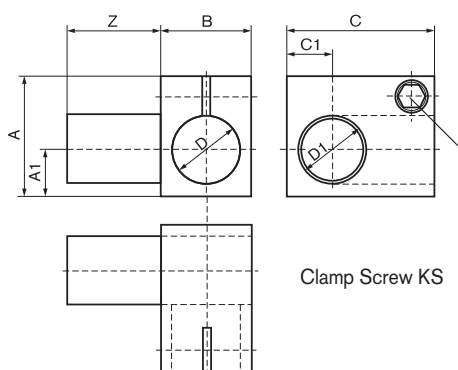


Use

The tube is firmly pressed into this clamp, making it particularly suitable for oblique connections. Can also be used for permanent swivel functions.

Nominal Diameter	Dimensions		B	B1	C	D1	I	O	P	Z	Weight in kg	Order Number
A	A1											
12	28	12	35	16	15	12	25	6	4	17	–	on request
20	45	22	65	30	20	20	50	7	8	21	0.080	R02-70
30	60	28	95	40	30	30	75	9	8	31	0.190	R03-70
40	72	35	95	50	40	40	75	9	10	41	0.340	R04-70
50	82	40	120	60	50	50	100	9	10	51	0.585	R05-70

T-Swivel Clamp



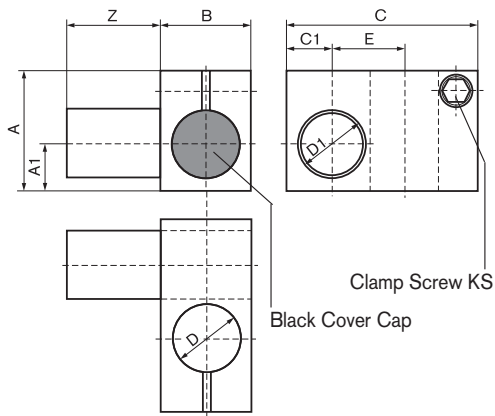
Use

Chiefly used where tubes coming out of the joint must be swivelled in connection with all the other clamp joints.

Nominal Diameter	Dimensions		B	B1	C	D1	I	O	P	Z	Weight in kg	Order Number
A	A1											
12	24	8	16	30	9	12	12	17	M4	–	–	on request
20	36	13	30	45	13	20	20	31	M6	0.100	0.100	R02-13
30	52	20	40	65	20	30	30	41	M8	0.255	0.255	R03-13
40	62	25	50	85	25	40	40	51	M8	0.435	0.435	R04-13
50	72	30	60	105	30	50	50	61	M8	0.700	0.700	R05-13

For diameter D tolerances, see page 207

Cross Swivel Clamp



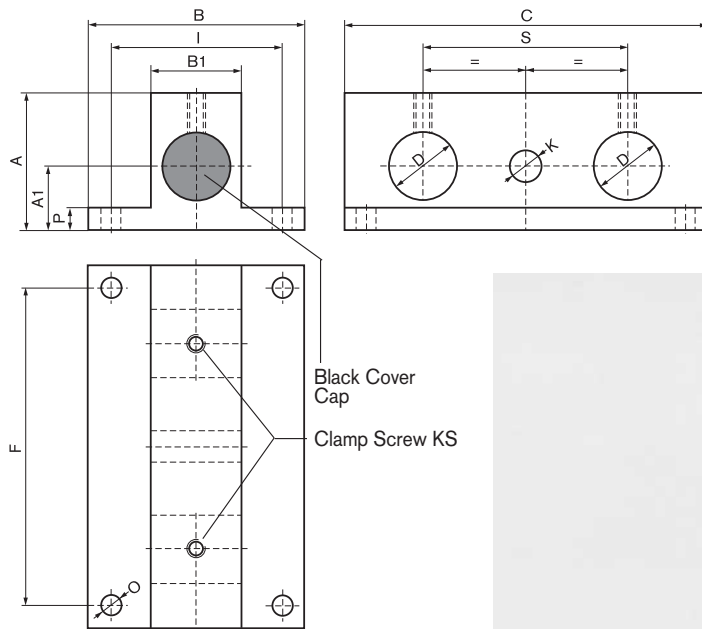
Use

To brace structures with oblique tube connections; also used like the T-swivel clamp.

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	C	C1	D	D1	E	Z	KS		
12	24	8	16	38	9	12	12	13	17	M4	–	on request
20	36	13	30	58	13	20	20	22	31	M6	0.115	R02-14
30	52	20	40	84	20	30	30	32	41	M8	0.275	R03-14
40	62	25	50	104	25	40	40	42	51	M8	0.440	R04-14
50	72	30	60	124	30	50	50	52	61	M8	0.670	R05-14

For diameter D / D1 tolerances, see page 207

Horizontal Support



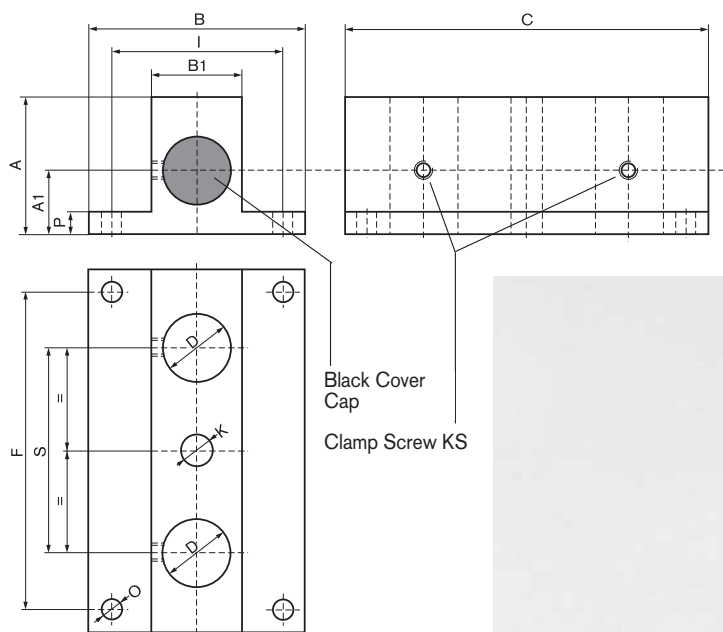
Use

The Horizontal Support is usually needed to close off adjustable units. However, it can also be used independently as a static or dynamic clamp.

Nominal Diameter	Dimensions												Weight		Order Number
	A	A1	B	B1	C	D	F	I	K	O	P	S	KS	in kg	
20	45	22	65	30	110	20	95	50	10	7	8	60	M6	0.360	R02-90
30	60	28	95	40	160	30	140	75	14	9	8	90	M8	0.845	R03-90
40	72	35	95	50	200	40	180	75	14	9	10	120	M8	1.390	R04-90

Other combinations on request; for diameter D tolerances, see page 207

Vertikal Support



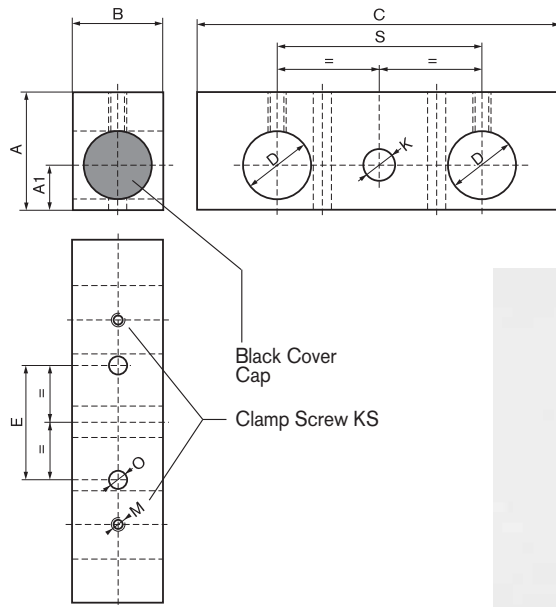
Use

The same uses as the Horizontal Support. It can also be used as a carrier for handling equipment which needs to be rearranged simply and quickly.

Nominal Diameter	Dimensions												Weight		Order Number
	A	A1	B	B1	C	D	F	I	K	O	P	S	KS	in kg	
20	45	22	65	30	110	20	95	50	10	7	8	60	M6	0.330	R02-91
30	60	28	95	40	160	30	140	75	14	9	8	90	M6	0.760	R03-91
40	72	35	95	50	200	40	180	75	14	9	10	120	M6	1.225	R04-91

Other combinations on request; for diameter D tolerances, see page 207

Universal Support



Use

Same use as the Supports shown on pages 221 and 222, but with the advantage that this component can be used as a Horizontal and Vertical Adjustable Unit.

Nominal Diameter	Dimensions										Weight in kg	Order Number
	A	A1	B	C	D	E	O	K	S	KS		
20	36	13	30	110	20	25	6.5	10	60	M6	0.190	R02-30
30	52	20	40	160	30	50	8.5	14	90	M8	0.520	R03-30
40	62	25	50	200	40	50	8.5	14	120	M8	0.870	R04-30

Other combinations on request; for diameter D tolerances, see page 207

Universal Slides

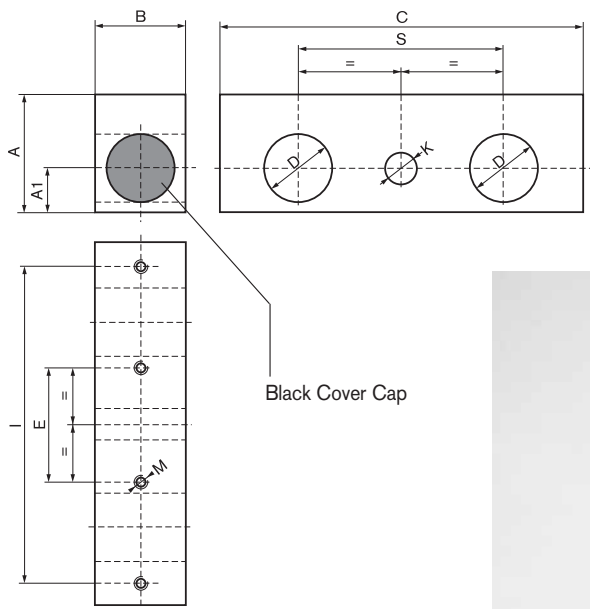


Illustration with clamp and sliding bush



Illustration without clamp

Use

Simple adjustable units can be built in modular form, in combination with the Supports on pages 221, 222 and 223. The four threads are used to fix other structures in place.

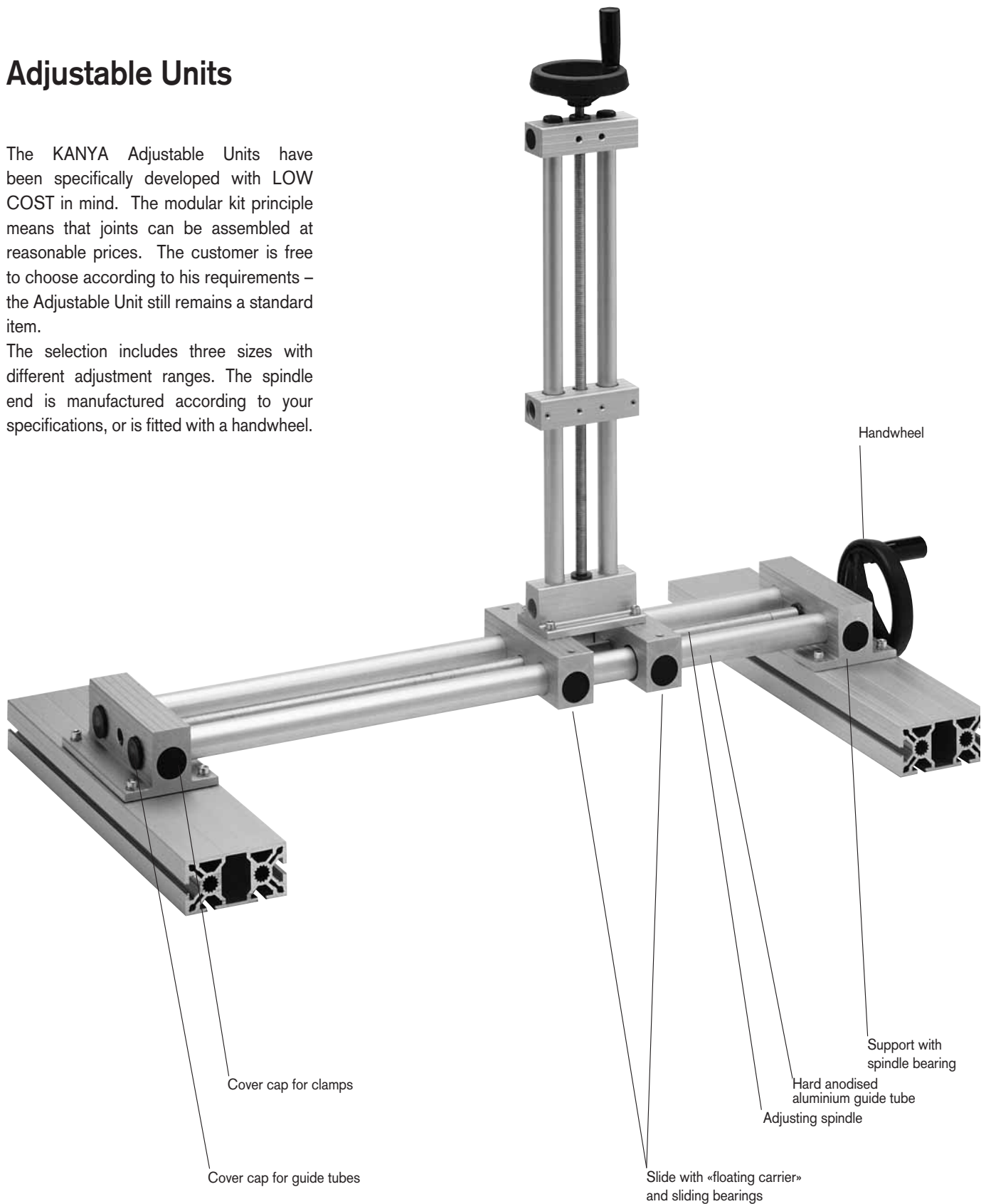
Nominal Dimensions											Weight in kg	Order Number single-sided clamp	Order Number double-sided clamp	Order Number without clamp
Diameter	A	A1	B	C	D	E	I	M	K	S				
20	36	13	30	110	20	25	95	M6	10	60	0.200	R02-31 (-GL)*	R02-32 (-GL)*	R02-41 (-GL)*
30	52	20	40	160	30	50	140	M8	14	90	0.535	R03-31 (-GL)*	R03-32 (-GL)*	R03-41 (-GL)*
40	62	25	50	200	40	50	180	M8	14	120	0.870	R04-31 (-GL)*	R04-32 (-GL)*	R04-41 (-GL)*

* On request, we can supply the slide with sliding bushes: add -GL to the order number

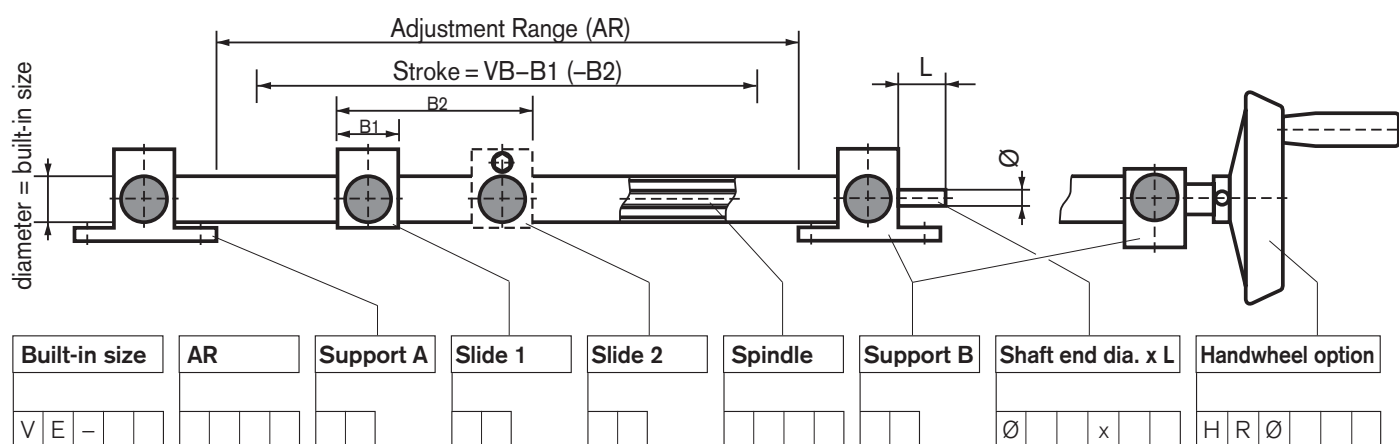
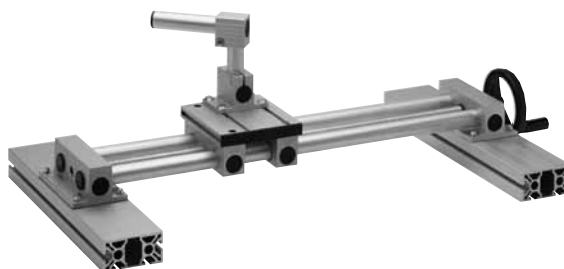
Adjustable Units

The KANYA Adjustable Units have been specifically developed with LOW COST in mind. The modular kit principle means that joints can be assembled at reasonable prices. The customer is free to choose according to his requirements – the Adjustable Unit still remains a standard item.

The selection includes three sizes with different adjustment ranges. The spindle end is manufactured according to your specifications, or is fitted with a handwheel.



Ordering Information



Examples:

V	E	-	2	0	1	2	5	0	9	0	3	1	-	-	M	1	2	9	0	Ø	1	0	x	2	0							
V	E	-	4	0	2	3	0	0	9	1	3	1	4	1	T	R	1	6	3	0	-	-	-	-	-	-	H	R	Ø	1	6	0

Warehouse items	Stroke	Support A/B	Slide 1/2	Spindle	Shaft end	Handwheel
VE20	-1500	R02-90 / -91 / -30	R02-31-GL / -41-GL	M12 x 1.75 / TR 12 x 3	as indicated	HR - Ø 80 / Ø 100
VE30	-2000	R03-90 / -91 / -30	R03-31-GL / -41-GL	M16 x 2.0 / TR 16 x 4	as indicated	HR - Ø 125
VE40	-2500	R04-90 / -91 / -30	R04-31-GL / -41-GL	M20 x 2.5 / TR 20 x 4	as indicated	HR - Ø 160 / Ø 200

See pages 221 – 224 for measurement
information on the Supports and Slides

Other diameter and inclinations
on request

KANYA supplies the Adjustable Units fully assembled.
Please enquire about additional items which we are able to supply.

Adjustable Units



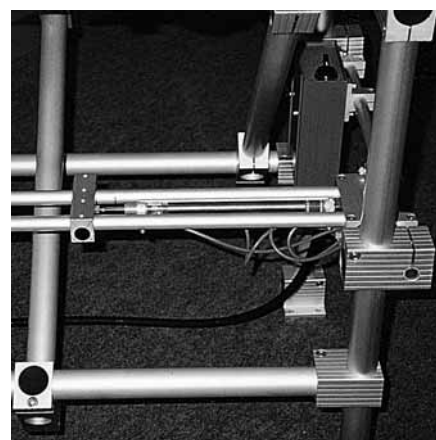
Use

Simple adjustment mechanisms with average precision and normal phase times. This adjustable unit is robust and reliable, and can be used wherever costs need to be kept down or wherever cost-effectiveness is the decisive factor.

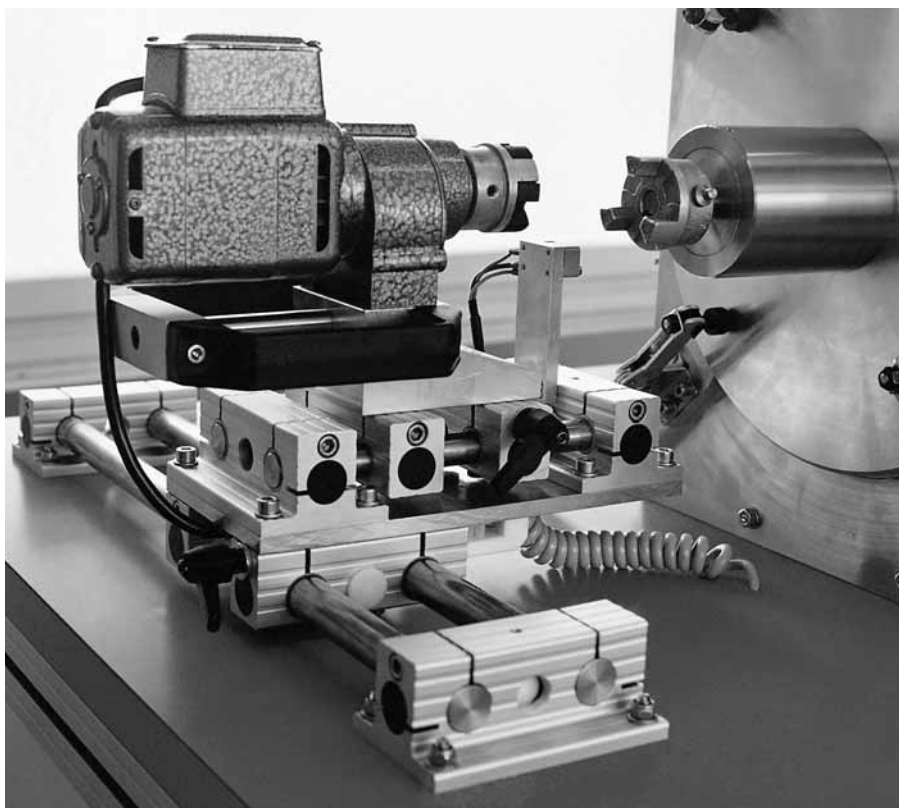
Mechanical engineering, automation, laboratories, photographic studios, table adjustments, etc.

Versions

- ① with metric threaded spindle
- ② with trapezoidal threaded spindle and handwheel
- ③ with pneumatic cylinder



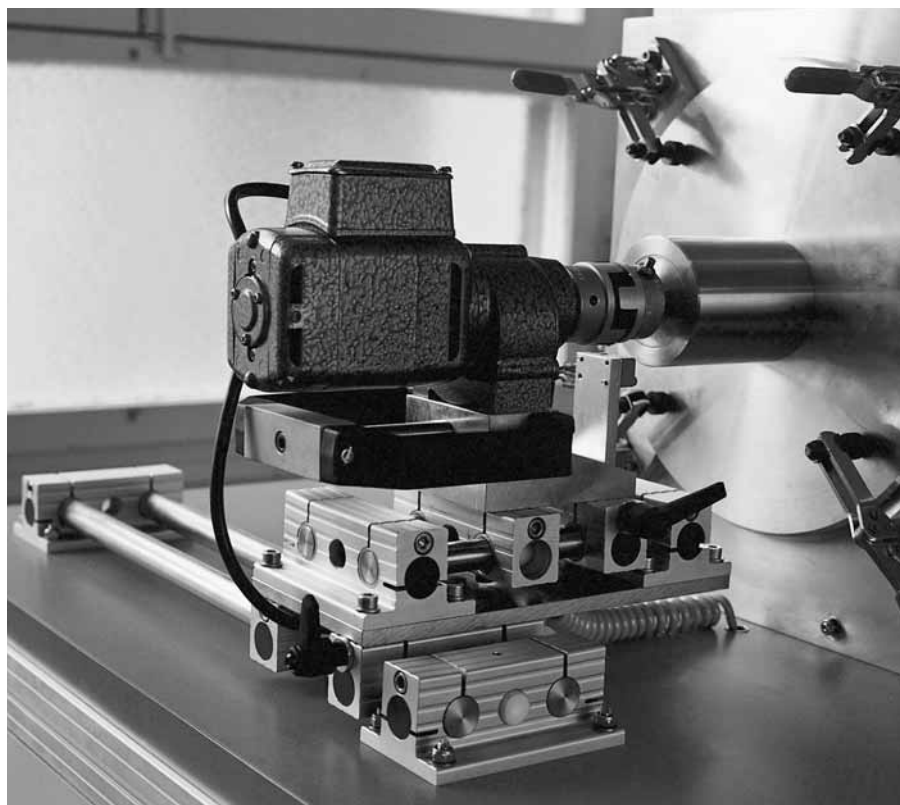
...or to your specifications.



Use

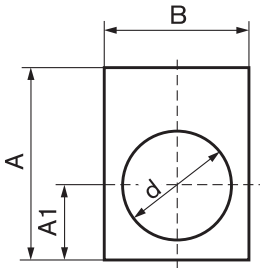
Couplable / decouplable drive on an X/Y adjustable unit for a micro-coating drum.

The electric motor is in the decoupled position.



The electric motor is in the coupled position.

Rectangular Extrusions



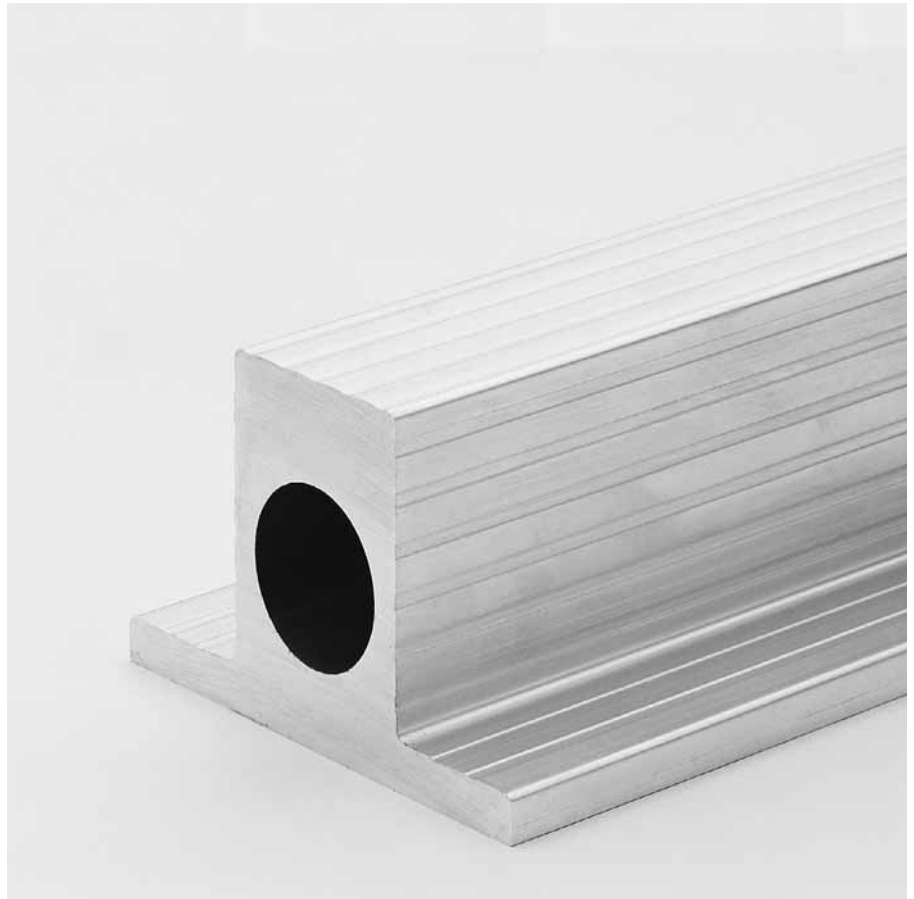
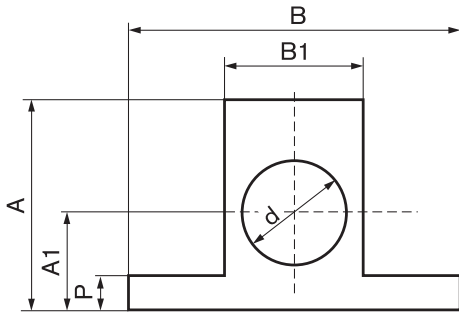
Can be supplied in warehouse length or cut to size.

Surface: untreated



Nominal Diameter	Dimensions		B	d	Weight kg/m	Order Number L = 3000 mm	Order Number cut to ... mm
	A	A1					
12	24	8	16	11,3	0.76	R01-95-00/3000 mm	R01-95-02/ ... mm
20	36	13	30	19,2	2.10	R02-95-00/3000 mm	R02-95-02/ ... mm
30	52	20	40	29,2	3.70	R03-95-00/3000 mm	R03-95-02/ ... mm
40	62	25	50	39,2	4.96	R04-95-00/3000 mm	R04-95-02/ ... mm
50	72	30	60	49,3	6.34	R05-95-00/3000 mm	R05-95-02/ ... mm

Flange Extrusions

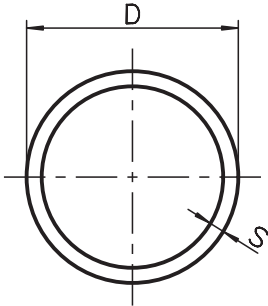


Can be supplied in warehouse length or cut to size.

Surface: untreated

Nominal Diameter	Dimensions						Weight	Order Number	Order Number
	A	A1	B	B1	d	P	kg/m	L = 3000 mm	cut to ... mm
12	28	12	35	16	11,0	4	1.11	R01-96-00/3000 mm	R01-96-02/ ... mm
0	45	–	65	30	–	8	4.35	R15-94-00/3000 mm	R15-94-02/ ... mm
15	45	22	65	30	14.0	8	3.97	R15-96-00/3000 mm	R15-96-02/ ... mm
20	45	22	65	30	19.0	8	3.63	R02-96-00/3000 mm	R02-96-02/ ... mm
30	60	28	95	40	27.0	8	5.88	R03-96-00/3000 mm	R03-96-02/ ... mm
40	72	35	95	50	39.0	10	7.63	R04-96-00/3000 mm	R04-96-02/ ... mm
50	82	40	120	60	49.0	10	9.71	R05-96-00/3000 mm	R05-96-02/ ... mm

Aluminium Tubes



Can be supplied in warehouse length or cut to size.

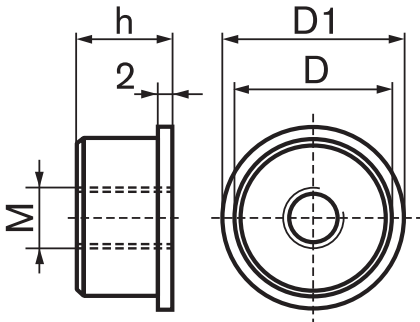
Surface: untreated



Nominal Diameter	Dimension D1 x S	Weight kg/m	Order Number L = 5000 mm	Order Number cut to ... mm
12	12 x 1.5	0.130	R01-97-00/5000 mm	R01-97-02/ ... mm
20	20 x 2	0.310	R02-97-00/5000 mm	R02-97-02/ ... mm
30	30 x 2	0.480	R03-97-00/5000 mm	R03-97-02/ ... mm
40	40 x 2	0.650	R04-97-00/5000 mm	R04-97-02/ ... mm
50	50 x 3	1.210	R05-97-00/5000 mm	R05-97-02/ ... mm
55	55 x 55 x 2.2	1.167	A19-5-00/5000 mm	A19-5-02/ ... mm Rectangular Tube

For diameter D tolerances, see page 207

Threaded Inserts

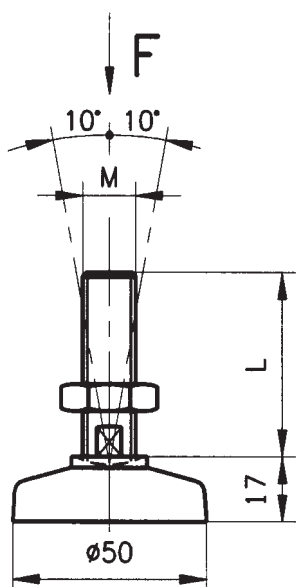


For aluminium tubes.

Material: aluminium

Nominal diameter	Dimensions		h	M	Order Number
	D	D1			
20	16	20	15	M10	R14-20
30	26	30	15	M10	R14-30
40	36	40	20	M16	R14-40
50	44	50	20	M16	R14-50

Levelling Feet

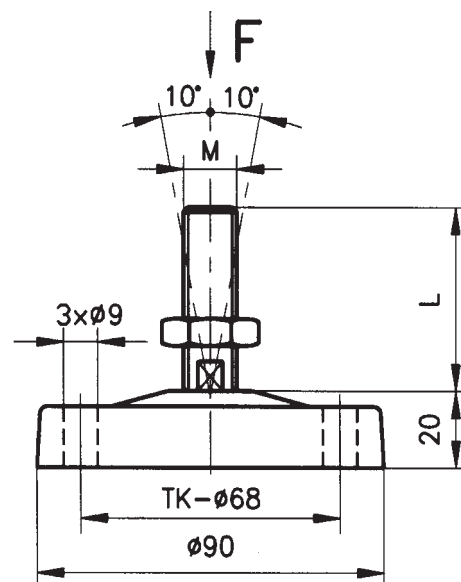


Use

Continuous height adjustment and level compensation. KANYA levelling feet with diameter 50 are fitted with M10 or M16 threads of length 50 or 100 respectively. The setting screw is connected to the flange cup so as to allow play of $\pm 10^\circ$, which compensates for uneven floors.

Construction

Flange cup: PA-GF, black
Screw: 8.8 galvanized steel



see also on page 143–144

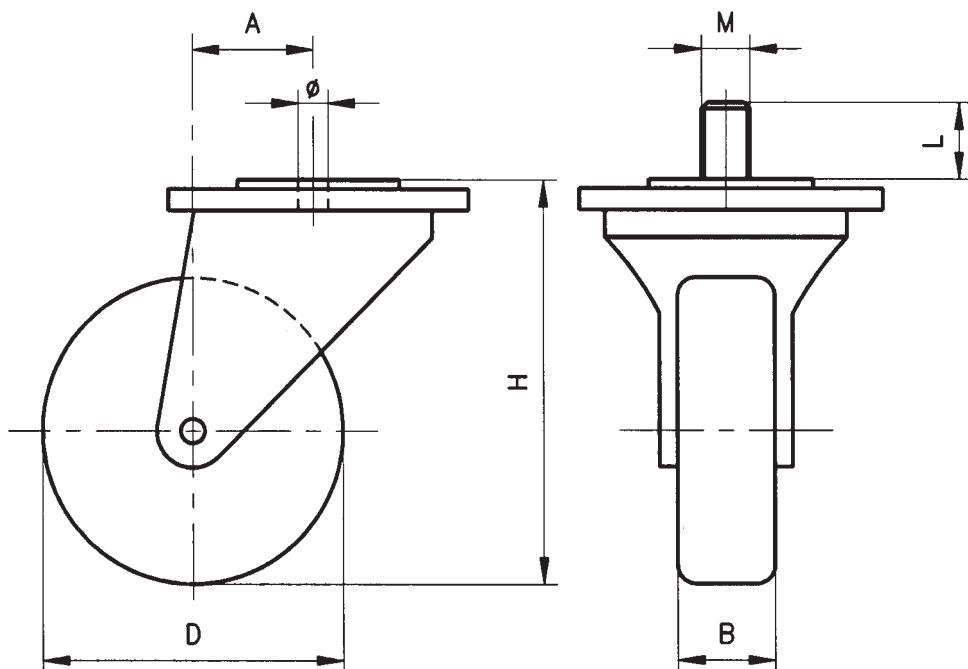


	Levelling Flange Diameter	Dimension: Thread M x L	Load Capacity F	Order Number with 3 x Ø9	Order Number without 3 x Ø9
PA-GF	50	10 x 50	2500 N		B 42-50
	50	10 x 100	2500 N		B 42-00
	50	16 x 50	3500 N		B 44-50
	50	16 x 100	3500 N		B 44-00
	90	16 x 50	5000 N		B 45-50
	90	16 x 100	5000 N		B 45-00
Aluminium	90	16 x 50	10000 N	B 45-51	B 45-52 (-D)*
	90	16 x 100	10000 N	B 45-01	B 45-02 (-D)*

* These versions are also available with damping components: add -D to the order

number.

Wheels



Use

Can be used universally, wherever mobility is required. A choice of two wheel diameters with or without brake is available, depending on the load requirement.

A 10.3 diameter through hole, or the M16 x 25 threaded stem make them simple to fit on to the tubes.

Construction:

Shackle: Galvanized steel, ball bearing

Wheel: Rubber running wheel, ball bearing

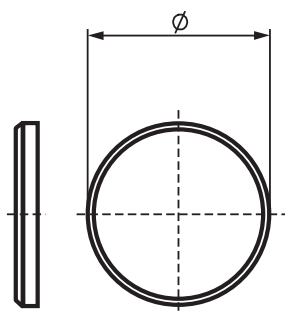
Strength: diameter 50 = 400 N
diameter 75 = 700 N
diameter 100 = 800 N
diameter 125 = 1000 N

see also on page 148

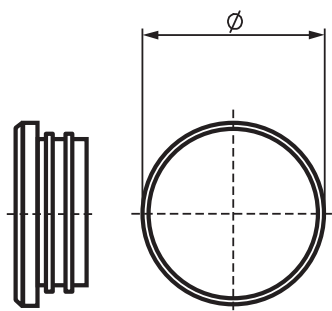
Wheel	Dimensions				Thread	Order Number	Order Number
	D	B	H	A	dia. / M x L	without Brake	with Brake
Wheel	50	18	70	25	Ø 10,3	B 48-50	B 49-50
Wheel	75	25	97	30	Ø 10,3	B 48-75	B 49-75
Wheel	100	32	132	42	Ø 10,3	B 48-100	B 49-100
Wheel	100	32	132	42	M 16 x 25	A 48-100	A 49-100
Wheel	125	32	158	42	Ø 10,3	B 48-125	B 49-125
Wheel	125	32	158	42	M 16 x 25	A 48-125	A 49-125

Other dimensions and conductive wheels can be supplied on request

Plastic Caps



for Tube Clamps



For Aluminium Tubes

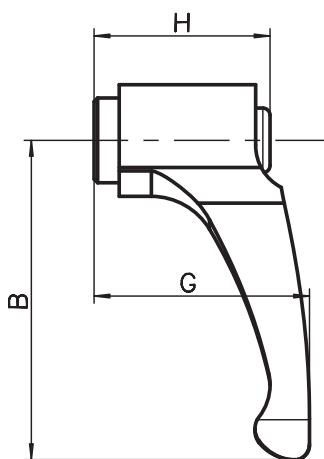
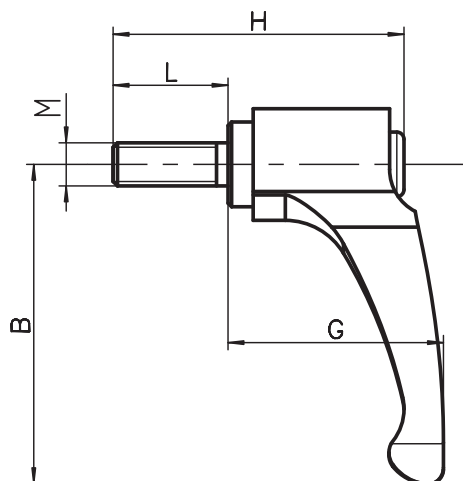


Nominal diameter	Order Number
20	R10-20
30	R10-30
40	R10-40
50	R10-50

The tube clamp units are generally supplied with plastic caps.

Nominal diameter	Order Number
20	R11-20
30	R11-30
40	R11-40
50	R11-50

Clamp Lever



All tube clamp elements can also be supplied with clamp levers:

Add ...-K or ...-2K to the order number.



Nominal Thread	Dimensions:				Order Number
M	B	G	H	L	
M6	58	52,5	31,5	-	R65-60
M8	58	52,5	31,5	-	R65-80
M8	58	52,5	31,5	20	R65-82
M8	58	52,5	31,5	40	R65-84

Other versions can be supplied on request

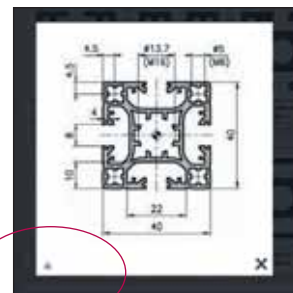
CAD files from www.kanyaparts.com



Move the mouse over the symbolic picture, the dimensional drawing with detail information shows up.

You can download all our CAD files from our website www.kanyaparts.com. All the KANYA parts are as STEP files available in the part centre.

Open with a click on the dimensional drawing the printing version. At the bottom left corner, you find the printing button.



Collect yourself a selection of files together. You can send your collection by email to your account or save it in a folder of your choice on your pc.

The «entry notice» buttons adds that article to your download list.

Your advantages on www.kanyaparts.com:

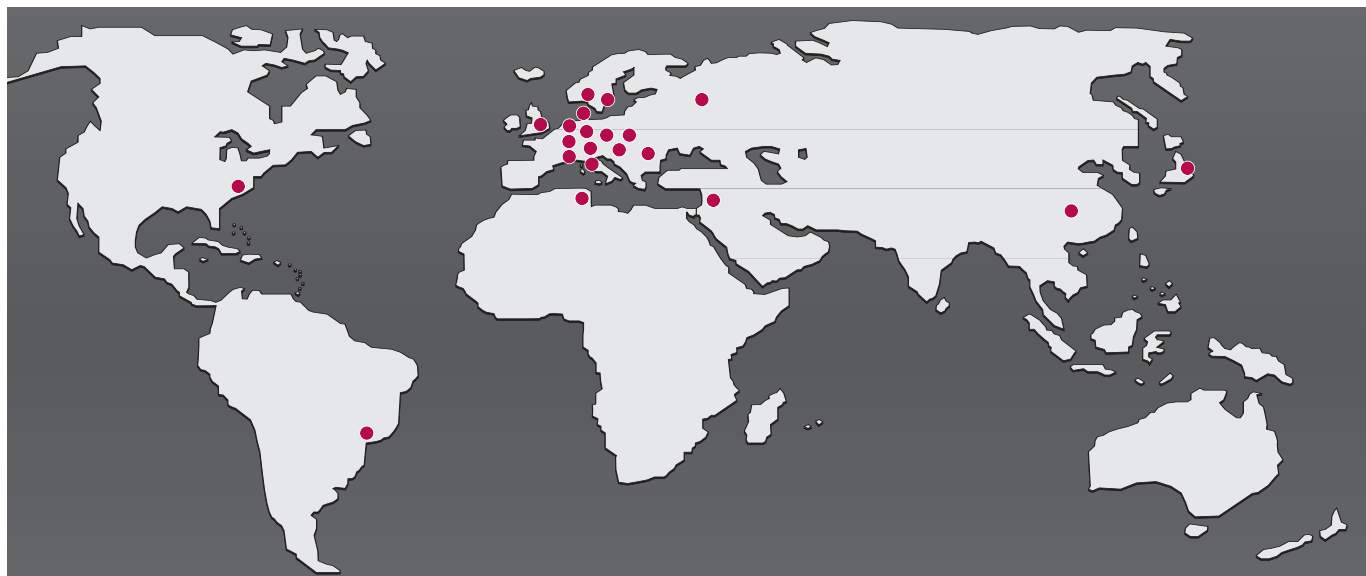
- Step files of the components as a direct download or by email
- unique registration – permanent Access to the KANYA part center
- Intuitive and simplest operation
- Full-text search after designation and Part number
- Dimensional drawings as print version

[illegible]

Index

Term	Page	Term	Page	Term	Page
19" auxiliary extrusion	109	Casters	148	F	
"Velcro" cable ties	158	Casters with backplate	149	Filler strip 13.5x50	112
20mm base extrusion	102–105	Casters	234	Fixing angle	137
30mm base extrusion	90–101	Centre guide to roller tracks	199	Fixing blocks	135
40mm base extrusion	74–89	C-guide rails	194	Flange extrusions	230
50mm base extrusion	60–73	Channel reducing strips and filler strips	161	Flat band hinge, aluminium	174
A		Channel reducing strips	160	Flat sealing element	183
Acrylic glass	169	Clamp lever	235	Foot plates	145
Allen key for PVS® screw Safe	204	Clamp rings	212	Front cover	156
Allen key set	204	Clamp strip 16x29	112	H	
Aluminium cable ducts 40x40, 40x80, 80x80	155	Clamping block	134	Half-round threaded plates	138
Aluminium filler strip	159	Clamping block extrusions	117	Hammer nuts	140
Aluminium guide extrusion	113	Clamping nuts	139	Hand rail extrusion 50x50	108
Aluminium hinges, lift-off type	172	Clamping sealing strip 30/20 base	166	Handle strip extrusion 30x35	116
Aluminium sheets	167	Clamping sealing strip 50/40 base	166	Handle strip	180
Aluminium tubes	231	Composite panels	168	Handles	177
Angle clamps	213	Concave double-wheeled trolley	151	Heavy load hinges, fixed	173
Angle extrusion 100x100	115	Concave roller	150	Hinge extrusion 17x54	116
Angle extrusion 25x35	114	Corner pieces	176	Hinge extrusion 20x36.5	116
Angle extrusion 38x38	114	Counterweight extrusion 50x100	119	Horizontal clamps	217
Angle extrusion 60x120	114	Covering cap for front cover	157	Horizontal supports	221
Angle extrusion 60x60	115	Cross clamps with different Ø	215	H-strip	162
Angle extrusion 70x70	115	Cross clamps	214	I	
Anti-return	201	Cross swivel clamps	220	Inset lock	181
Anti-twist spigots	140	Cross T-clamps	216	Installation rings	158
Arrester plate	180	D		J	
B		Door sealing strip	166	Joining clamp	212
Ball catches	179	Double bolting bracket	146	Joint with clamping lever	175
Ball catches	179	Double clamping extrusion 16x50	112	Joints	175
Base plates	145	Double extrusion nuts	139	K	
Bolt-down brackets	145	Double threaded plates	138	KANYA Allen key	204
Bolt-down sockets	147	Double-wheeled trolley	151	L	
Box frame extrusion 20x40	111	Drill jig and special drill	203	Levelling feet with shock absorbers	144
Box frame extrusion 30x95	110	E		Levelling feet	143
Buffer	193	Electrically conductive levelling feet	144	Levelling feet	233
C		Enclosure panels	167	Light extrusion nuts	139
Cable duct connector	157	End caps	159	Linear sliding block	186
Cable ducts	154	End caps for PVS connector	127		
Cable passage to front cover	157	End stops	193		
		End swivel clamps	219		
		Expanded metal	167		
		Extrusion nuts	139		

Term	Page	Term	Page	Term	Page
M		Roller shield	191	Threaded plates	138
Magnetic catches	179	Roller stopper	201	Tie wrap "base"	158
Micro chipboard	168	Roller track adapter	200	Triple channel extrusion 30x15	108
Mounting brackets with anti-twist spigot	134	Roller track system	196	T-swivel clamps	219
Mounting brackets	133	Roller tracks with guide flange	198	Tube cleat	217
		Roller tracks, flat	197	Tube handle offset	178
		Runner extrusion 30x50	110	Tube handle straight	178
N		S		U	
Non-swivel casters	148	Safety switches	182	U-clamping extrusion 8x13.5	113
O		Safety-edge extrusion	164	Uniblocks	135
Octagonal extrusion	111	Sealing plates	183	Universal clamps 216	
Oil scraper support	192	Sealing washer	184	Universal slide	224
Oil scraper	192	Self-cutting threaded inserts	142	Universal supports	223
O-rings	184	Semi-circular sealing strip	164	U-sealing strip	165
Outer guide to roller tracks	199	Shaft clamping blocks	185	V	
P		Shaft clamping extrusions	187	Vertical clamps	218
Parallel clamps	214	Shaft clamping extrusions 2-part	188	Vertical supports	222
PET-G	169	Shaft support extrusion 40x100	189	W	
Plastic caps	235	Single bolting bracket	146	Wall rail 18x50	106
Plastic hinges 20 base 174		Single bolting bracket, reinforced	146	Wedge strip	163
Plastic hinges, fixed	172	Slide plates	190	Z	
Plastic hinges, lift-off type	172	Slides	195	Zn-diecasting hinges fixed type	173
Plastic rollers	150	Sliding hook	153		
Plastic slide extrusions	152	Slot extrusion 16x40	106		
Polycarbonate	169	Slot extrusion 20x120	107		
PVC filler strip	160	Slot extrusion 20x80	107		
PVS direct connectors	129	Snap-lock	182		
PVS® screw «Safe»	127	Spacer for roller shield	192		
Q		Special hinges – lift-off type	173		
Quick-release fasteners	180	Square pipe 55x55	118		
R		Steel rollers	191		
Rapid connection blocks	136	Steel shafts	186		
Rectangular extrusion	229	Steel wire mesh	170		
Retaining clips	158	Support extrusion 11x30.5	113		
Rhomboid nuts	140	Supporting extrusion	163		
Ribbed rubber extrusion	164	Surround extrusion	165		
Rigid PVC foam plates	170	Suspended guard fittings	171		
Rod lock	181	T			
		T-bolts	137		
		T-clamps	213		
		Threaded dowel	142		
		Threaded inserts	141		
		Threaded inserts	232		



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