



# OUR GENERAL CATALOGUE







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# PROPERTY PROPERTY. Inner ..... Our service range ✓ range of articles ex stock ✓ extrusions cut to measure and processed ✓ consultation and engineering ✓ pre- or completely assembled ✓ external material procurement Company video

# Aluminium extrusion system – modular with simplicity

Kanya AG is a leading global supplier of aluminium extrusion system and stands out due to its Swiss quality. Based on the Kanya aluminium extrusion system, we supply design solutions in the sectors of special-purpose engineering, automation and the machine manufacturing industry.

In our headquarters in Rüti ZH (Switzerland), over 50 employees work in the sectors of sales, engineering, production and assembly. The modern industrial building with an area of over 3500m² offers optimal requirements for efficient order processing. Globally, we work together with over 20 long-standing independent partners. Our international contractual partners have their own warehouses and the associated production infrastructure. This network means that Kanya profiles and components are available to all intents and purposes over the whole world.



**1974**Kanya AG founded by Gertrud Rüegg

**Milestones** 

**1982**Walter Bär participates in Kanya and manages the technical department.

1997
Opening celebration – new location in Rüti (Switzerland)

**2013**Foundation of branch office Kanya China

**2016**Extension of the factory building by 1'200 m<sup>2</sup> in Switzerland





















1975
Patenting of PVS®
extrusion connection
system

1990
Worldwide more than ten representatives

2008
Succession plan
through Bachtel Group
(Clemens Ruckstuhl and
André Müller)

2014 Company anniversary – 40 years Kanya AG

2021
New lengthwise processing machine



# Our products



# Extrusion Connecting System PVS®

With the aluminum modular system, you will solve any construction task professionally, flexibly, durably and reliably. Our product range includes over 150 different profiles which are easily and safely connected with our connectors.



# Tube Clamp System RVS®

The Tube Clamp System provides creative and versatile solutions in response to a huge variety of requirements in the field of machine and apparatus construction. An optimal static is guaranteed thanks to the precise machined clamping elements.



## **Accessories**

The Kanya modular system allows an easy fixing of various accessories. The assortment of over 1'500 articles ranges from end caps, base connecting elements, panels up to angle extrusions and much more.



# 50 base extrusion

These extrusions are used wherever very high loads with small deflections must be supported.

# 45 base extrusion

Ideal complement to other extrusions with base 50, 40, 30 and 20.

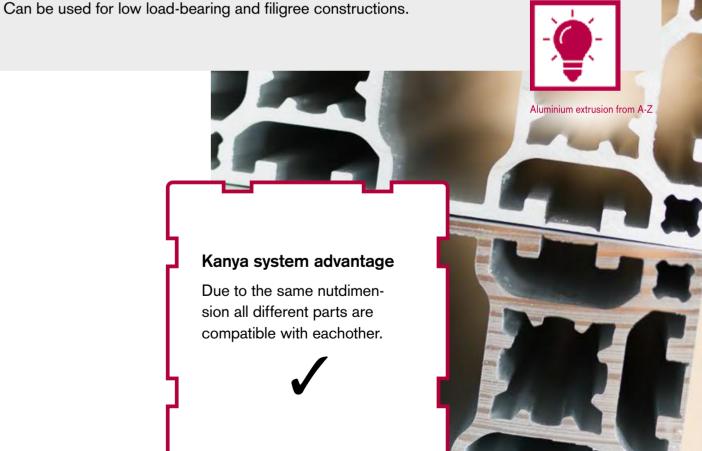
# 40 base extrusion

The universal extrusion is extremely stable and has a good price-performance ratio.

# 30 base extrusion

Lightweight but stable extrusion for simple constructions and universal use.

## 20 base extrusion





# **Product line**

# Workplace systems

Kanya Ergoplace offers efficient, ergonomic and tailor-made solutions for workplaces in industry and business. The range includes tables with height-adjustable lifting columns, lights, brackets, shelves, base units and much more. Based on the Ergoplace checklist we will be happy to find out your needs.





# **KLINK®**

The Kanya Klink system makes it even easier to keep things in order, maintain an overview thus increase productivity. The Klink system consists of shelves of different sizes, a suspension extrusion and suspension rails which can be easily hooked into the workstation. This reaches finally an end to the search for tools.

# **Machining doors**

Kanya Safe is a modular system solution for safety doors and protective enclosures. Numerous solutions can be implemented in a wide range of applications with the flexible modules and components. Kanya Safe offers the right solution for every requirement, regardless of whether it is for a machine housing, a double lifting-door or a multi-part safety door. The system solution can be altered or modified at any time to meet the requirements.



# More information



Kanya Ergoplace - Overview

Workplace systems for better ergonomics (6-page leaflet)



Kanya Ergoplace – General brochure

General brochure about workplace systems with checklist (40-page brochure)



Kanya Safe

Modular safety doors and protective enclosures

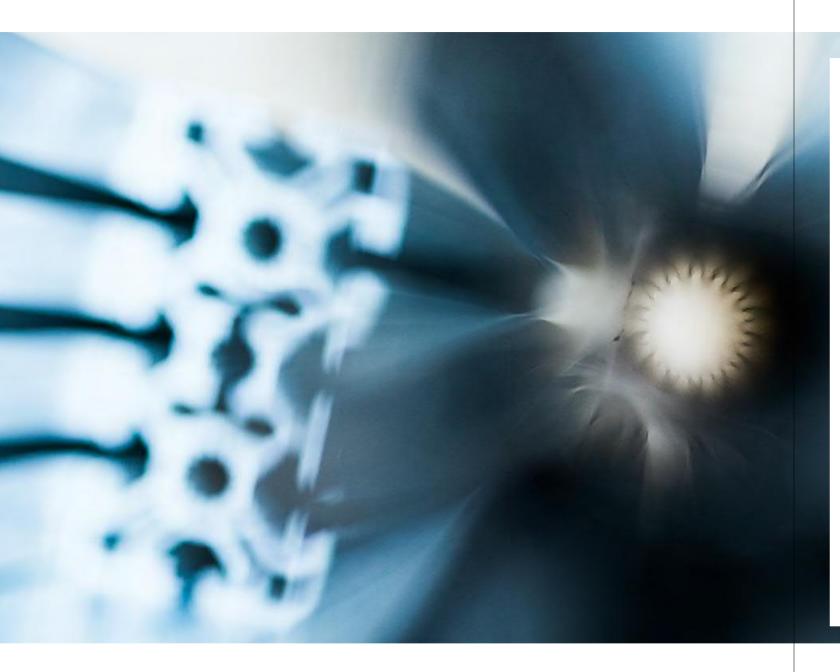


Kanya Klink

The suspension console for maximum flexibility

Please order the brochures on our website or download the requested brochure as PDF. www.kanya.com/service







Machine base frame and housing



Workplace systems



Operating material



Machining door



Automation and conveyor technology



Protective cabinet and noise protection

You have ideas. We have the solution.



# Machine base frame and housing

Today, machine claddings do not just fulfil the task of protecting persons, but rather they are an integral part of the machine with a high demand on design. For a high-quality cladding that is tailored to the machine, the versatility of the Kanya aluminium profile modular constructions present the ideal prerequisites.

The standard anodised profiles can also be powder-coated to the desired colours. In combination with a wide variety of surface elements such as acrylic glass, wood and metal, the opportunity presents itself for setting the emphasis on integrating the machine in a sophisticated overall appearance.

# Kanya system benefits / high protective function such as safety, noise and sound protection / sophisticated overall appearance (design) / according to the machinery directives

# **Solutions**



# Machine housing

Plastic parts processing after injection moulding process

#### Properties:

- protected region
- several opening ranges
- robust design and stability

# Machine top

Injection moulding machine for PET manufacture.

#### Properties:

- dust protection
- sliding frames



## Machine base frame

Transport and production module in the circuit boards industry

#### Properties:

- rigid rack structure
- attractive design
- modular construction



# Workplace systems

The labor law requires an ergonomic design of workplaces. Optimised work processes and a corresponding infrastructure improve productivity. The ergonomic aspect is an important component of a workplace. Heightadjustable workbenches, optimal bench dimensions, lighting and individual tool positioning are just a few examples of a direct or indirect impact on the health, motivation and performance of the employees.

Kanya Ergoplace satisfies all conditions for an ergonomically oriented workplace system. Workplace systems are easy to assemble, are based on a modular design and can be extended flexibly.



# **Solutions**



# Packaging workplace in the logistics

#### Properties:

- height-adjustable desks and workbenches
- optimal desk dimensions
- individual storage shelves

# Assembly workstation in the production area

#### Properties

- height-adjustable desks and workbenches
- individual tool positioning
- lighting depending on the work process



# Interlinked workplace (assembly and production line)

#### Properties:

- simple to complex solutions
- modular and flexible



# **Operating material**

Whether it be tool trolleys, medicine trolleys or a vehicle construction for a pick-up. Tailor-made solutions can be constructed using the Kanya profile connection system (PVS). Our engineering team has many years of experience in applications with the Kanya aluminium profile modular construction system.

We are equipped with the most modern IT systems with which we formulate solutions for you and set up the required list of items.

Use our know-how and tell us your construction ideas.

# Kanya system benefits ✓ tailor-made solution ✓ modular and flexible ✓ simple installation

# **Solutions**



# Operating tool trolley

## Properties:

- light base frame
- multifunctional mounting options
- easy to extend at any time

# Workshop trolleys

#### Properties:

- lower cabinet integrated as a trolley
- light frame





# **Medicine trolley**

## Properties:

- robust design and stability
- personalised access with RFID chip
- simple cleaning of the material
- good running characteristics of the rollers



# Machining door

Machine doors safely separate the work area between human and machine. But also the opening and closing times, which directly influence the increase in productivity, are also relevant to the safety aspects.

Kanya Safe is a modular system solution for safety doors and protective enclosures. Numerous solutions can be implemented in a wide range of applications with the flexible modules and components. Kanya Safe offers the right solution for every requirement, regardless of whether it is for a machine housing, a double lifting-door or a multi-part safety door. The system solution can be altered or modified at any time to meet the requirements and thus represents a sustainable investment.



# **Solutions**



# **Double lifting-door**

# Properties:

- high opening speed
- minimal effort when opening and closing
- laser resistant, resistant against contamination due to Kanya sliding guides
- integrated protective machine door control system double-lifting door

# Machine safety door

#### Properties:

- free access for loading and unloading
- double lifting-door





# Laser protection lift door

#### Properties:

- ready-to-install solution
- robust construction
- laser protection class 4



# Automation and conveyor technology

In the manufacturing processes of today, economic flexibility is in particular demand. A wide variety of construction parts are assembled, processed or measured at increasingly shorter intervals on specially manufactured clamping and mounting devices.

The Kanya profile system ensures that the layout of the devices does not become a disproportional cost factor,. The versatility and modularity of the modular construction system enables the widest variety of requirements to be cost-effectively and readily adapted.

# Kanya system benefits / simple, ready-to-install solution / robust construction and and thin construction depth / easy mounting of sensors and adapters / flexible adjustments can be made later

# **Solutions**



# Table conveyor system with chain conveyor

#### Properties:

- tight bends save storage space
- easy to assemble

# Conveyor system for an assembly system for automobile axles

#### Properties:

- load capacities up to 400 kg/cassette
- freely configurable
- low-noise
- robust and durable



# Conveyor system for automation of a processing machine

#### Propertie

- high modularity for complex layouts
- used for loading and unloading of processing machines
- robust and durable



# Protective cabinet and noise protection

The effects of noise pollution at the workplace on concentration, performance and motivation as well as the well-being of the employees must not be underestimated. If the permissible threshold limits are continuously exceeded, sustained noise leads to health damage. For this reason, the Occupational Safety Act specifies very clear reference values that protect health and safety.

# Kanya system benefits ✓ individual noise protection systems prevent health damage ✓ comply with the employment law (EU: Occupational Safety Act) ✓ protection against mechanical damage

# **Solutions**



#### Protection cabin

Low-pressure cabin for the manufacture of power storage modules

#### Properties:

- extremely airtight construction
- ESD construction
- accessibility through large sliding doors

# Noise protection

Noise protection cladding for winding machine electric motors

#### Properties:

- noise level reduction
- unhindered access through the door front with special nose protection glazing



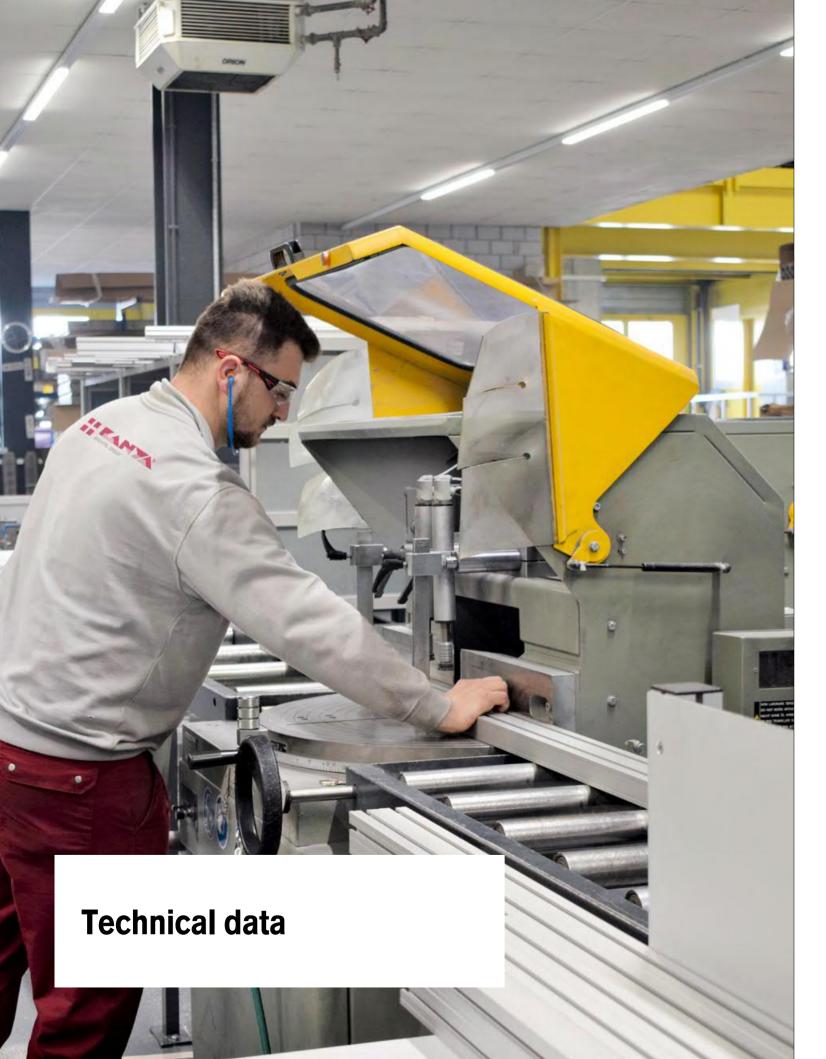


# **Noise protection**

Noise protection airlock for endurance test system of angles grinders

#### Properties:

- noise level reduction of 28 dB(A)
- total access to the test room
- unhindered access through the door front with special noise protection glazing





# Material data of aluminium extrusions

lloy	EN AW-	-6063					
luality	T66						
olerances	DIN EN	DIN EN 12020-2					
ensity/weight	δ:		2.7 g/cm³				
ensile strength	R <sub>m</sub> :	min	245 N/mm²				
ield	R <sub>P</sub> 0.2:	min	200 N/mm <sup>2</sup>				
longation	A5:	min	8%				
	A10:	min	6%				
lodule of elasticity	E:		70 KN/mm <sup>2</sup>				
rinell hardness	HB		~80				
urface	E6/EV1	(anodis	ed, aluminium coloured)				
	Layer th	ickness	10μ				
hermal expansion		0.0232 mm/m/°∆t					

Ŧ	emper-hardened (F25)
C	colour anodised or powder coated on req
si	in accordance with the RAL table, raw

Alloy
Quality
Tolerances
Density/weight
Tensile strength
Yield
Elongation
Module of elasticity
Brinell hardness
Surface
Thermal expansion

Temper-hardened (F22)

Colour anodised or powder coated on request in accordance with the RAL table, raw





							ink to p
50 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Four sided softline extrusion 50x50	Type A10–0	<b>3</b>	EN AW-6060	2.4	22.1	8.22	50
Lightweight extrusion 50x50	Type A02–1	<b>5</b>	EN AW-6063	1.8	16.07	6.42	<u>51</u>
Base extrusion 50x50	Type A01–1	<b>3</b>	EN AW-6063	2.3	20.88	8.35	<u>52</u>
Heavy duty extrusion 50x50	Type MA1–1		EN AW-6063	3.1	29.37	11.75	<u>52</u>
Face extrusion 50x50	Type A01–8	<b>X</b>	EN AW-6063	2.2	20.38, 19.61	8.15, 7.55	<u>53</u>
Corner extrusion 50x50	Type A01–7	<b>※</b>	EN AW-6060	2.0	17.7	7.05	<u>53</u>
Double face extrusion 50x50	Type A02–4	$\overline{\infty}$	EN AW-6063	2.0	19.59, 18.17	7.83, 7.27	<u>54</u>
Angle extrusion 50x45°	Type A02–8	2	EN AW-6063	1.7	13.10	4.50	<u>54</u>
Face panel extrusion 50x50	Type A03–8	茲	EN AW-6060	2.2	20.40, 19.72	8.07, 7.89	<u>55</u>
Lightweight extrusion 50x100	Type A02–2		EN AW-6063	3.8	148.15, 37.15	29.63, 15.00	<u>56</u>
Base extrusion 50x100	Type A01–2		EN AW-6063	4.6	149.84, 41.25	29.97, 16.50	<u>57</u>
Heavy duty extrusion 50x100	Type MA1–2		EN AW-6063	5.3	198.66, 50.28	39.73, 20.11	<u>58</u>

50 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Face extrusion 50x100	Type MA1-4	XX	EN AW-6063	5.2	203.67, 54.31	40.73, 21.03	<u>59</u>
Radius extrusion 100x100	Type A03-9		EN AW-6063	3.2	100.00	20.00	60
Base extrusion 100x100	Type MA3-5	* *	EN AW-6063	7.3	330.90	66.018	61
Heavy duty extrusion 100x100	Type MA1-5		EN AW-6063	8.9	363, 345	76, 73	<u>62</u>
Corner extrusion 100x100	Type A03-7	r r r	EN AW-6063	7.1	314.10	62.82	<u>63</u>
Beam extrusion 50x150	Type MA1-3	<b>XXX</b>	EN AW-6063	7.0	599.8, 71.9	81.11, 29.42	<u>64</u>
Beam extrusion 50x200	Type MA1-6	MKKK	EN AW-6063	8.8	1315.83, 92.71	131.58, 37.08	<u>65</u>
Heavy duty extrusion 100x200	Type MA1-9	FRAR	EN AW-6063	16.4	2435.3, 705.6	243.53, 141.12	<u>66</u>
Base extrusion 150x150	Type MA1–8		EN AW-6063	13.3	1264.46	168.59	67



45 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Four sided softline extrusion 45x45	Type E10–1		EN AW-6063	2.1	14.07	6.25	<u>68</u>
Light extrusion 45x45	Type E02-1		EN AW-6063	1.7	13.16	5.85	<u>68</u>
Base extrusion 45x45	Type E01–1	缸	EN AW-6063	2.1	16.12	7.16	<u>69</u>
Face extrusion 45x45	Type E02–6	Ħ	EN AW-6063	1.6	11.76, 12.20	5.13, 5.42	<u>69</u>
Corner extrusion 45x45	Туре Е02-7	Ħ	EN AW-6063	1.5	11.75, 11.83	5.12, 5.16	<u>70</u>
Double face extrusion 45x45	Туре Е02-4		EN AW-6063	1.6	11.46, 12.33	5.09, 5.48	<u>70</u>
Softline extrusion 45x45	Type E03–1	A	EN AW-6063	1.5	9.70	3.80	<u>71</u>
Light extrusion 45x90	Type E02–3		EN AW-6063	2.8	90.44, 23.62	20.10, 10.50	<u>72</u>
Base extrusion 45x90	Type E01–3		EN AW-6063	3.5	109.54, 29.77	24.34, 13.23	<u>73</u>
Face extrusion 45x90	Type E01–14	江江	EN AW-6063	3.5	109.45, 30.23	24.32, 13.38	<u>74</u>
Corner extrusion 45x90	Туре Е02-2	ĦĦ	EN AW-6063	2.7	82.76, 22.31	18.26, 9.79	<u>75</u>
Beam extrusion 45x135	Type E01–19	HHH	EN AW-6063	4.9	334.22, 43.41	49.51, 19.30	<u>76</u>

45 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm⁴]	Wx,y [cm³]	Page
Beam extrusion 45x180	Type E01–16	HHHH	EN AW-6063	6.4	743.74, 57.06	82.64, 25.36	<u>77</u>
Light extrusion 90x90	Type E02–5	HH	EN AW-6063	4.7	160.09	35.58	<u>78</u>
Base extrusion 90x90	Type E01–4	HT	EN AW-6063	6.1	205.78	45.73	<u>79</u>
Beam extrusion 90x135	Type E01–13		EN AW-6063	8.1	618.00, 300.57	98.56, 66.79	<u>80</u>
Beam extrusion 90x180	Type E01–5		EN AW-6063	12.1	1525.63, 443.9	169.51, 98.64	<u>81</u>

40 mm base extrusion	Туре	Alloy	Weight [kg/m]	Ix,y [cm⁴]	Wx,y [cm³]	Page
Four sided softline extrusion 40x40	Type C10-0	EN AW-6060	1.6	9.6	4.75	<u>82</u>
Four sided softline extrusion 40x80	Type C10–3	EN AW-6060	2.8	69.73, 18.52	17.43, 9.26	<u>82</u>
Four sided softline extrusion 80x80	Type C10–4	EN AW-6060	4.4	119.40	29.85	83
Super lightweight extrusion 40x40	Type C03–1	EN AW-6060	1.3	8.20	4.10	84
Lightweight extrusion 40x40	Type C02–1	EN AW-6063	1.5	9.35	4.67	<u>84</u>



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40 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Base extrusion 40x40	Type C01–1	H	EN AW-6063	2.0	11.70	5.75	<u>85</u>
Face extrusion 40x40	Type C01–8	Ħ	EN AW-6063	2.0	11.66, 11.67	5.78, 5.83	85
Corner extrusion 40x40	Type C01–7		EN AW-6063	1.5	9.21	4.53	<u>86</u>
Double face extrusion 40x40	Type C02-4		EN AW-6063	1.5	9.56, 9.21	4.78, 4.60	<u>86</u>
Face panel extrusion 40x40	Type C04–2		EN AW-6063	1.6	9.13, 9.92	4.57, 4.96	<u>87</u>
Corner panel extrusion 40x40	Type C04–7		EN AW-6063	1.6	9.53	4.76	<u>87</u>
45° angle extrusion	Type C04–4	Ŕ	EN AW-6060	1.5	8.46, 9.11	3.01, 3.44	88
40x45° angle extrusion	Type C02–8	2	EN AW-6063	1.2	6.30	2.70	88
Softline extrusion 40x40	Type C03–8	A	EN AW-6060	1.3	6.70	2.97	<u>89</u>
Light extrusion 40x80	Type C02–3	ĦĦ	EN AW-6063	2.8	64.90, 17.70	16.23, 8.85	90
Base extrusion 40x80	Type C01–3	HH	EN AW-6063	3.7	81.95, 22.74	20.49, 11.37	90
Face extrusion 40x80	Type C01–5		EN AW-6063	2.6	64.40, 17.20	16.10, 8.60	<u>91</u>

40 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm⁴]	Wx,y [cm³]	Page
Light extrusion 40x120	Type C03–9	HHH	EN AW-6060	4.0	203.49, 25.75	33.91, 12.87	<u>91</u>
Beam extrusion 40x120	Type C01–9	HHH	EN AW-6063	5.36	263.2, 33.94	43.09, 16.72	92
Beam extrusion 40x160	Type C02-9	HHH	EN AW-6063	7.0	602.2, 45	74.09, 22.18	93
L-shaped extrusion 80x80x40	Type C01–6	H	EN AW-6063	5.0	108.05	23.56	94
Corner extrusion 80x80x40 round	Type C03–6	H	EN AW-6060	3.6	76.40	19.10	<u>95</u>
Base extrusion 80x80	Type C01–4		EN AW-6063	6.0	154.70	38.68	96
Lightweight extrusion 80x80	Type C03–4		EN AW-6063	4.4	115.66	28.92	96
Corner extrusion 80x80	Type C03–7		EN AW-6060	4.5	117.70	29.43	97
Beam extrusion 80x120	Type MC1–2		EN AW-6063	8.4	451.20, 219.76	75.20, 54.94	98
Heavy duty extrusion 80x160	Type MC1–9		EN AW-6063	11.0	1018.98, 296.53	112.37, 74.13	99



30 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Four sided softline extrusion 30x30	Type B10-0		EN AW-6060	1.0	3.30	2.20	100
Super lightweight extrusion 30x30	Type B03–1	缸	EN AW-6060	0.7	2.63	1.76	100
Lightweight extrusion 30x30	Type B02–1	翼	EN AW-6063	0.9	2.95	1.97	<u>101</u>
Heavy duty extrusion 30x30	Туре МВ1–1	Ħ	EN AW-6063	1.1	3.82	2.54	101
Face extrusion 30x30	Type B03–2	黨	EN AW-6063	0.8	2.85, 2.83	1.90, 1.83	102
Face extrusion with panel slots 30x30	Type B02–2	黨	EN AW-6063	0.9	2.93, 2.76	1.93, 1.84	102
Corner extrusion 30x30	Type B02–3	知	EN AW-6063	0.8	2.70	1.75	103
Corner panel extrusion 30x30	Type B01–3	類	EN AW-6063	0.8	2.70	1.75	103
Double face extrusion 30x30	Type B02–4	豆	EN AW-6063	0.8	2.73, 2.74	1.82, 1.83	<u>104</u>
Softline extrusion 30x30	Type B01–8	$\mathcal{A}$	EN AW-6060	0.7	2.16	1.44	104
Angle extrusion 30°	Type B04–3	倒	EN AW-6060	0.9	3.23, 2.89	1.54, 1.48	<u>105</u>
Angle extrusion 45°	Type B04–4	白	EN AW-6060	0.9	3.14, 2.91	1.44, 1.45	105

30 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm⁴]	Wx,y [cm³]	Page
Angle extrusion 60°	Type B04–6	4	EN AW-6060	0.9	3.07, 2.94	1.45, 1.51	<u>106</u>
Base extrusion 30x50	Type B01–9	M	EN AW-6063	1.2	10.94, 4.33	4.38, 2.90	106
Face extrusion 30x50	Туре МВ2–9	<u> </u>	EN AW-6063	1.3	11.30, 4.55	4.52, 3.03	107
Face extrusion with panel slots 3	30x50 Type MB1–9	<u>7</u>	EN AW-6063	1.3	11.25, 4.84	4.50, 3.23	107
Base extrusion 30x60	Type B01–6		EN AW-6063	1.5	20.52, 5.20	6.84, 3.47	108
Face extrusion with panel slots 3	30x60 Type B03–6		EN AW-6060	1.5	19.33, 5.43	6.44, 3.60	108
Corner extrusion 30x60	Type B02–5	Ħ	EN AW-6063	1.6	5.92, 21.73	7.24, 3.946	109
Base extrusion 60x60	Type B02–6	FG RG	EN AW-6063	2.4	35.83	11.94	109
Base extrusion 30x100	Type MB1–2	DXXXI	EN AW-6060	2.3	80.77, 8.95	16.15, 5.97	110
Face extrusion with panel slots 3	0x100 Type B01–2	<u>íkaki</u>	EN AW-6060	2.1	77.86, 8.79	15.57, 5.72	<u>110</u>
Face extrusion 30x300	Туре В03–3 🤰	<u> </u>	<b>☑</b> EN AW-6063	5.1	1755.64, 26.06	117.04, 17.30	<u>111</u>
Tube extrusion ø30	Type R03–98	<b>(</b>	EN AW-6063	0.6	13.13	8.75	<u>111</u>



20 mm base extrusion	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Base extrusion 20x20	Type D01–5	$\bowtie$	EN AW-6060	0.4	0.60	0.60	<u>112</u>
Corner extrusion 20x20	Type D01–3	A	EN AW-6063	0.4	0.65	0.65	<u>112</u>
Face extrusion 20x20	Type D01–8	X	EN AW-6060	0.4	0.68, 0.59	0.68, 0.59	<u>112</u>
Softline extrusion 20x20	Type D03–8	<b>A</b>	EN AW-6060	0.4	0.47	0.47	<u>113</u>
Base extrusion 20x40	Type D01–7		EN AW-6060	0.7	3.91, 1.10	1.95, 1.10	<u>113</u>
Face extrusion 20x40	Type D02–8	XX	EN AW-6060	0.8	4.15, 1.26	2.07, 1.18	113
Face extrusion 20x50	Type D02–5	M	EN AW-6063	0.9	7.71, 1.58	3.08, 1.58	114
Face extrusion 20x100	Type D02–1	<del>y o y</del>	EN AW-6063	1.6	55.5, 3.01	11.1, 3.01	114

Special extrusions	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Wall rail 18x50	Type A19–9	[52]	EN AW-6063	0.9	-	-	<u>116</u>
Slot extrusion 16x40	Type C08–1	( <u>L.2)</u>	EN AW-6063	1.0	-	-	<u>116</u>
Slot extrusion 20x80	Type C08–2		EN AW-6063	2.4	54.49, 3.97	13.62, 3.97	<u>117</u>
Slot extrusion 20x120	Type C08–3		EN AW-6063	4.4	177.95, 6.31	29.66, 6.31	117
Triple channel extrusion 30x15	Type B05–1	Ш	EN AW-6060	0.3	-	-	<u>118</u>
19" auxiliary extrusion	Type A05–2		EN AW-6060	0.5	-	-	<u>119</u>
19" auxiliary extrusion	Type B05–2	4_	EN AW-6060	0.4	-	-	119
Box frame extrusion 30x95	Type B01–7	<b>5</b>   <b>G</b>   <b>G</b>	EN AW-6060	1.8	55.99, 7.94	11.79, 5.29	120
Runner extrusion 30x50	Type B10–9	団	EN AW-6063	1.1	9.17, 4.51	3.37, 2.98	120
Frame extrusion 30x15	Type B15–1	<u> 20C</u>	EN AW-6063	0.7	1.4, 0.71	0.933, 0.473	<u>121</u>
30 mm base octagonal extrusion	Type B15–3		EN AW-6063	2.8	51.01	14.09	<u>121</u>
Double clamping extrusion 16x50	Type A05-7	7	EN AW-6063	0.46	-	-	122



Special extrusions	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Panel clamp extrusions 13.5x50	Type A05–8	-П-	EN AW-6060	0.3	-	-	122
Panel clamp extrusions 13.6x40	Type C05–8	<del>-11.</del>	EN AW-6060	0.3	-	-	<u>122</u>
U-clamping extrusion 8x13.5	Type B19–6		EN AW-6060	0.1	-	-	<u>123</u>
Suspension extrusion base 30	Type S91-013	L	EN AW-6063	0.14	-	-	<u>123</u>
Support extrusion 11x30.5	Туре В19–7		EN AW-6060	0.4	-	-	124
Aluminium guide extrusion	Type B19–8	n	EN AW-6060	0.2	-	-	124
Angle extrusion 38x38	Туре А30–0		EN AW-6060	1.5	-	-	<u>125</u>
Angle extrusion 31x31	Туре С30–0	L	EN AW-6060	0.9	-	-	125
Angle extrusion 60x60	Туре А30–2		EN AW-6060	2.8	-	-	125
Angle extrusion 70x70	Туре С30–3	_	EN AW-6060	2.5	-	-	<u>125</u>
Angle extrusion 85x85	Туре Е30–3	$\vdash$	EN AW-6060	3.7			126
Angle extrusion 100x100	Type A30–3		EN AW-6060	6.4	-	-	<u>126</u>

Special extrusions	Туре		Alloy	Weight [kg/m]	Ix,y [cm <sup>4</sup> ]	Wx,y [cm³]	Page
Angle extrusion 60x120	Type A47–0		EN AW-6060	4.6	-	-	<u>127</u>
Angle extrusion 25x35	Type A30–5	L	EN AW-6060	0.7	-	-	<u>127</u>
Hinge extrusion 54x17	Type A60–6	_	EN AW-6060	1.3	-	-	128
Hinge extrusion 44x17	Type C60–6	<b>-</b>	EN AW-6060	1.1	-	-	128
Hinge extrusion 57.5x8	Type A60–1	<b>~</b>	EN AW-6063	1.3	-	-	128
Hinge extrusion 47.5x8	Type B60–1	<b>~</b>	EN AW-6063	1.1	-	-	128
Hinge extrusion 47x4	Type A60–2	<b>~</b>	EN AW-6060	0.5	-	-	128
Hinge extrusion 37x4	Type B60–2	•	EN AW-6060	0.4	-	-	128
Hinge extrusion 36.5x20	Type A60–5	<b>3</b>	EN AW-6063	1.2	-	-	128
Handle strip extrusion 30x35	Type B65-6	$\mathcal{L}$	EN AW-6063	0.6	-	-	<u>129</u>
Base 50 block extrusion	Туре А34-0	1	EN AW-6060	1.6	-	-	<u>129</u>
Base 40 block extrusion	Type C34–0		EN AW-6060	1.3	-	-	129



#### link to page Special extrusions Туре Weight [kg/m] Ix,y [cm4] Wx,y [cm³] EN AW-6060 129 Base 30 block extrusion Type B34-0 0.5 EN AW-6060 1.3 21.58 Rectangular tube 55x55 Type A19-5 7.85 130 Rectangular tube 50x50 Type E19-5 EN AW-6060 1.0 14.75 5.9 130 Rectangular tube 45x45 EN AW-6060 Type C19-5 1.0 11.4 5.06 130 EN AW-6060 Rectangular tube 35x35 Type B19-5 0.7 4.8 2.74 130 EN AW-6063 Counterweight extrusion 50x100 41.82, 16.43 131 8.36, 6.57

# Extrusion tolerances, extract from EN 12020-2

## 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  $0.3\,\text{mm}$  over any length of  $l_2$  =  $0.3\,\text{mm}$ .

Length I₁ in m	up 1 m	up 2 m	up 3 m	up 4 m	up 5 m	up 6 m
Tolerance h <sub>1</sub> in mm	0.7	1.3	1.8	2.2	2.6	3.0
		L <sub>2</sub> = 36	200 mm	m	-	

#### 2. Twist tolerance v

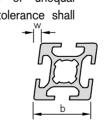
The length-dependent twist tolerance v for cavity extrusions is shown in the table.



Width b in mm	- 1000	Flatness tolera > 1000–2000	ance v in mm fo - 2000-3000	r lengths in mm > 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

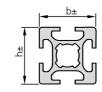
Where sides are of unequal length, inclination tolerance shall be relative to the angle of the shorter side.



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

ı	Width b in mm	Inclination tolerance w in mm
	> 120 - 140	0.8
	> 140 - 160	0.9
	> 160 - 180	1.0
	> 180 - 200	1.2
	> 200 - 240	1.5

## 4. External tolerances



Wid in n	lth b, nm	h		Deviation in mm
>	15	-	30	± 0.25
>	30	-	45	± 0.30
>	45	-	60	± 0.40
>	60	-	90	± 0.45
>	90	-	120	± 0.60

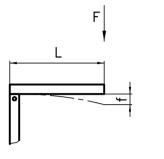
Width b, h in mm	Deviation in mm
> 120 - 150	± 0.80
> 150 - 180	± 1.00
> 180 - 240	± 1.20
> 240 - 300	± 1.50

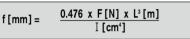
38

Load case 3

# Strength calculations

#### Load case 1







# **Example:**

A counterweight with a max. load of 500 N on?

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

#### Where:

= load in N

extrusion length in m

moment of inertia in cm4

deflection in mm

distance to the load point in m

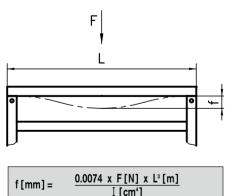
line load in N/m

## Checking the bending stress:

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

 $\delta$  = bending stress in N/mm<sup>2</sup> M<sub>h</sub> = max. bending moment in Nmm W = section modulus in cm<sup>3</sup>

#### Load case 2





# **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?

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

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

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

All calculation examples are based on clamped condition.

is to be fastened to an extruded arm 800 mm long. What will be the deflection of a 40x40 mm C01-1 type base extrusi-

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

# 0.952 x F[N] x a3 [m] x b2 [m] / I [cm4] x L2 [m]

0.476 x F[N] x a<sup>3</sup>[m] x b<sup>3</sup>[m]

I [cm4] x L3 [m]

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

# **Example:**

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

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:

= load in N

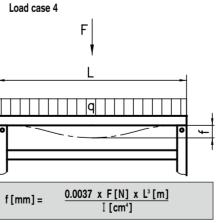
= extrusion length in m

= moment of inertia in cm4

= deflection in mm

a/b = distance to the load point in m

q = line load in N/m





 $F = q \times L$ 

All calculation examples are based on clamped condition.

# **Example:**

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

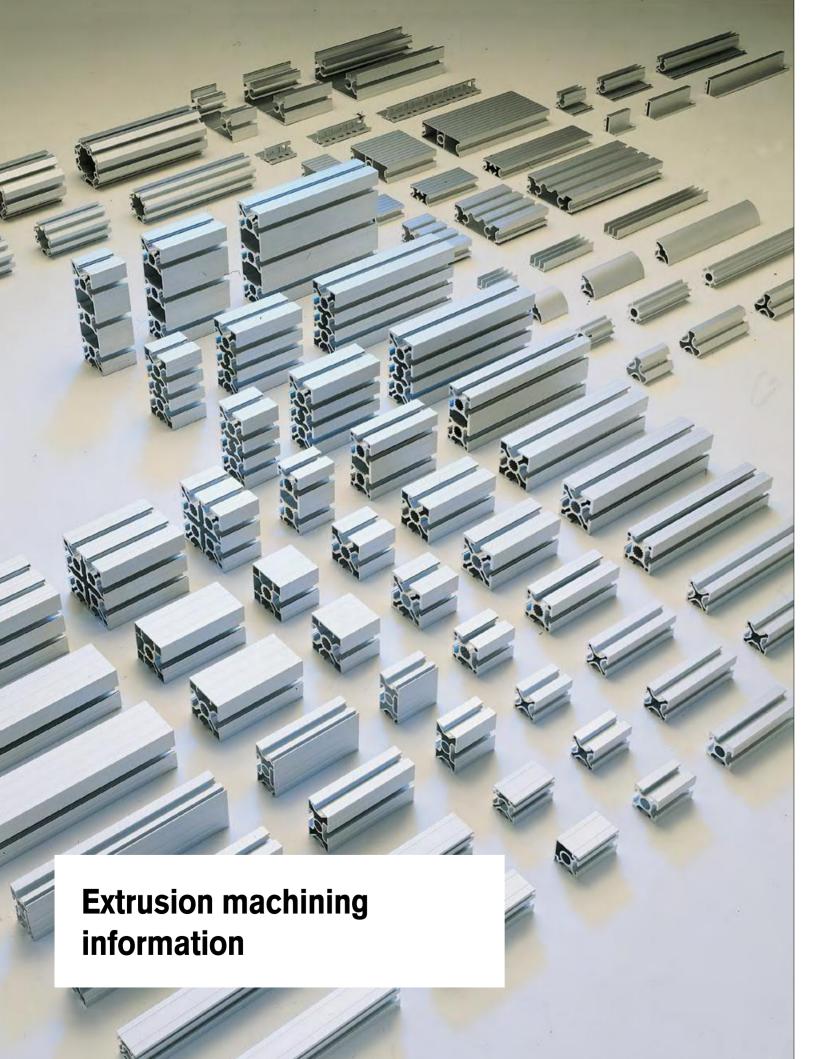
Which extrusion must be used to support the measurement plate?

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

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

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

⇒ Selection: Use a heavy duty extrusion MA1-5  $(100 \times 100)$  where I = 380.00 cm<sup>4</sup>





# 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:

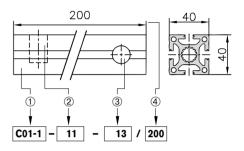
- ① Select the appropriate design or special extrusion (extrusion type)
- ② Define the machining on the left side of the extrusion according to the following overview if the left side of the extrusion is to be left unmachined: Code -02
- ③ Define the machining on the right side of the extrusion according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

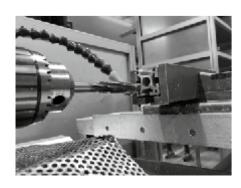
C01-1 - 11 - 13 - 99 / 200

# MACHINING INFORMATION CODES

1.	_	ons to length without any other machining t, tolerance acc. to ISO 2768-m 2/L		L _	40	04	-02
2a.	Cutting the extrusion	ons to length and the main threads					
	1 thread  1 Heli-Coil insert	M16 / M14 x thread length 50mm M16 / M14 x thread length 100mm M16 / M14 x thread length 25mm M6 x ~10mm (only for Ø 6mm)*	•	•	<ul><li>○</li><li>○</li><li>○</li></ul>		-E1 -03 -E3 -H3
	2 thread 2 Heli-Coil inserts	M16 / M14 x thread length 50mm M16 / M14 x thread length 100mm M16 / M14 x thread length 25mm M6 x ~10mm (only for Ø 6mm)*	•	•			-E2 -04 -E4 -H4
	* Only for 20 base extr	rusions with core Ø 6mm					



## **MACHINING INFORMATION CODES** Cutting the extrusions to length and the main threads -G3 3 threads M16 / M14 x thread length 50 -05 M16 / M14 x thread length 100 -E5 M16 / M14 x thread length 25 4 threads M16 / M14 x thread length 50 -G4 M16 / M14 x thread length 100 -06 M16 / M14 x thread length 25 -E6 6 threads M16 / M14 x thread length 50 -G5 -G6 M16 / M14 x thread length 100 M16 / M14 x thread length 25 -E7 8 threads M16 / M14 x thread length 50 -G7 M16 / M14 x thread length 100 -G8 M16 / M14 x thread length 25 -E8 Cutting the extrusions to length and auxiliary threads in the corners -07 4 threads M6 x thread length 15mm -08 4 threads M8 x thread length 20mm Example: C01-1-07-02/L on one side 4x M6x15 Cutting the extrusions to length and threads according to drawing



X thread acc. to customer drawing

MACHINING INFORMATION **CODES** 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 acc. to customer drawing

Symbolic representation of the extrusion cross-sections

-30

-33

-09

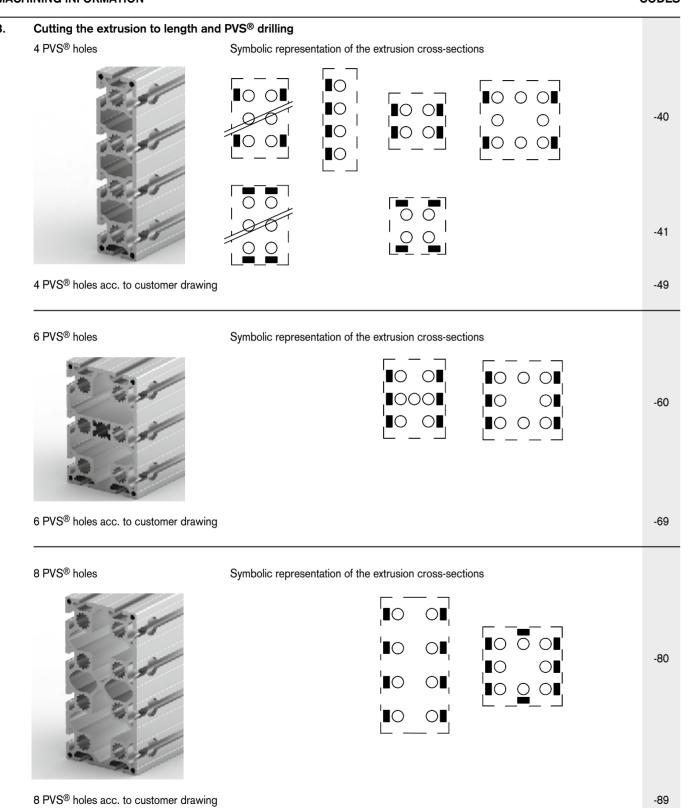
<sup>\*</sup>A different arrangement of the holes must be indicated on the drawing.

Special machining

All machining which cannot be indicated by a code



MACHINING INFORMATION CODES



AC	CHINING INFORMATION		CODES
	Mitre cut extrusions left right	left	right
	For mitre cuts on non-symmetrical extrusions, a drawing or sketch is required.  Mitre cut 45° (all extrusions)		
		-50	-50
		-51	-51
	Mitre cut acc. to customer drawing	<b>–</b> 59	-59
	Mitre cut extrusions with PVS®-drilling  Mitre cut 45° + PVS® hole (extrusions 50x50/45x45/40x40/30x30/20x20)	-70 -71	-70 -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	<b>-</b> 79	-79

-99

# **Extrusion machining information**

## **Application**

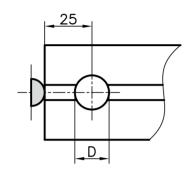
The drill jig and special drill bits make it easy to drill the holes for KANYA's patented PVS® connector. The main advantage of the drill jig is that it clamps directly onto the extrusion. The rotating stop, for square or mitred cuts, guarantees the precise drilling distance.

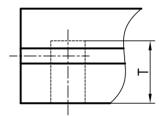
The HSS special drill bit, with the MT2 Morse taper shank, is ground flat to cut the extrusion surface. It can be re-sharpened as often as necessary.

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.

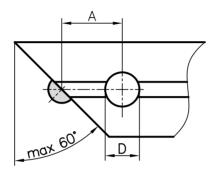
## Standard 90° joint

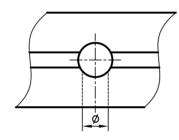
"25" stop D





# Mitre joint





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



Machining data					
trusion type	D	Ø	Α	T	
) base	18.1	13.7	32	33	
5 base	18.1	13.7	32	30.5	
) base	18.1	13.7	32	28	
) base	15.1	12.1	32	21.5	
0v50 20v100 hase	15.1		32	18	

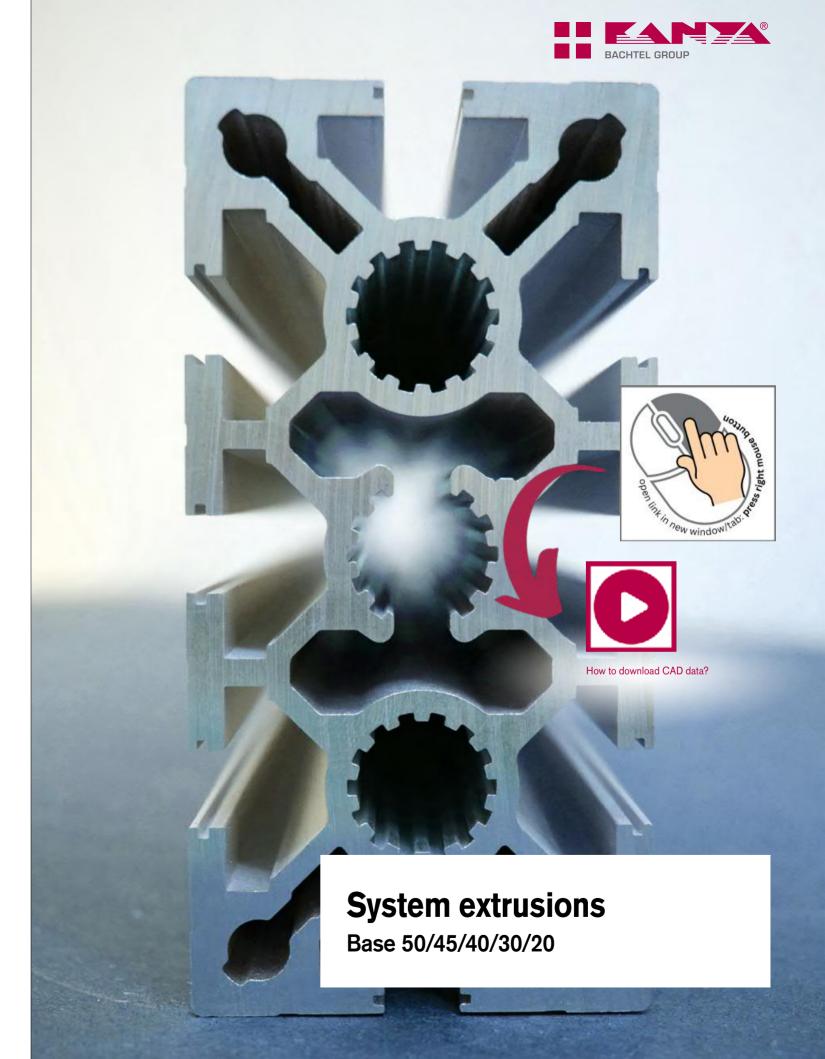
7.3

20 base\*

# Note

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

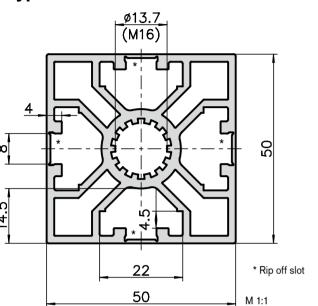
Order data	Order number
<b>Drill jig</b> 50/45/40/30 base	AB95-0
Special drill bits to fit the drill jig	
50/45/40 base	A96-1
30 base	B96-2
A02-8, C02-8, C03-8 extrusion	s A96-3
B01-8 extrusions	B96-3



<sup>\*</sup> with a centre hole ø 6mm



# 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.

Open link in new window: pres





Technical data		
Ix,y	=	22.10 cm <sup>4</sup>
Wx,y	=	8.22 cm <sup>3</sup>
Cross-section area	=	8.38 cm <sup>2</sup>
Weight	=	2.4 kg/m
Alloy		EN AW-6060
Order data	0	rder number

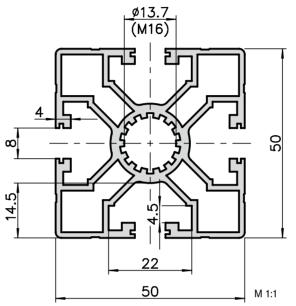
Four sided softline extrusion 50x50 Standard length 5000 mm A10-0-5M

Four sided softline extrusion 50x50

Cut to length A10-0-02-02/...

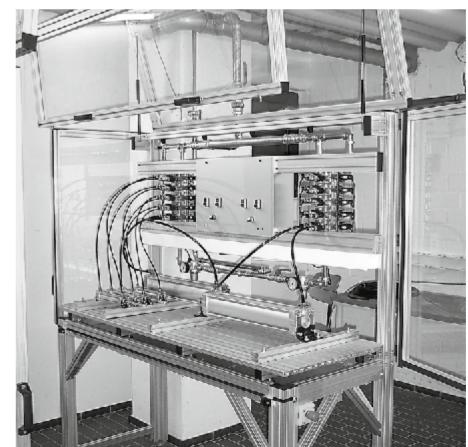
Extra machining Pages 43–47

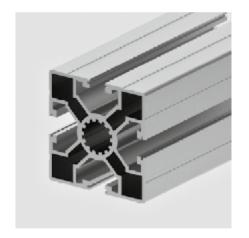
# Lightweight extrusion 50x50 type A02-1



# Application

The light extrusion 50x50 offers many possibilities to the budged-minded engineer. Whether for machine guarding or machine chassis, in a light build version, this universal extrusion offers tremendous value.



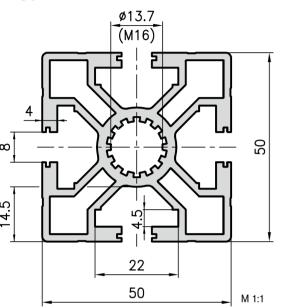


Technical data		
Ix,y	=	20.56 cm <sup>4</sup>
Wx,y	=	6.42 cm <sup>3</sup>
Cross-section area	=	6.71 cm <sup>2</sup>
Weight	=	2.17 kg/m
Alloy		EN AW-6063
-		

Order data	Order number
Lightweight extrusion 50x50 Standard length 5000 mm	A02-1-5M
Lightweight extrusion 50x50 Cut to length	A02-1-02-02/
Extra machining	Pages 43-47

# 50x50 base extrusion type A01-1





# **Application**

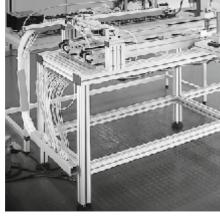
These two extrusions are suitable for most design tasks thanks to their excellent weight and strength properties. Their useful features include holes for direct threading and small guide slots to cover the openings in the extrusions with aluminium strips, 0.8x10 page 185.



Order data	Order number
50x50 base extrusion Standard length 5000 mm Standard length 6000 mm	A01-1-5M A01-1-6M
50x50 base extrusion Cut to length	A01-1-02-02/

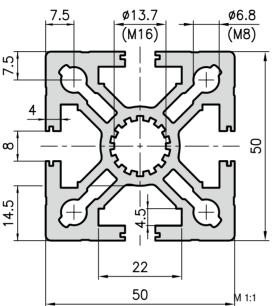
Alloy

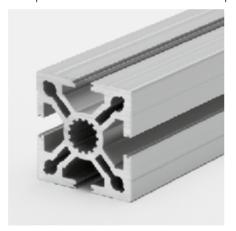
EN AW-6063



Extra machining Pages 43-47

# extrusion type MA1–1 50x50 heavy duty



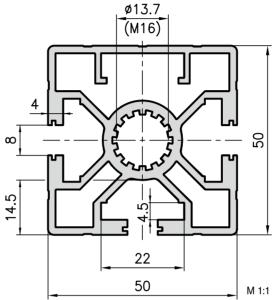


Technical data		
Ix,y	=	29.37 cm <sup>4</sup>
Wx,y	=	11.75 cm <sup>3</sup>
Cross-section area	=	11.26 cm <sup>2</sup>
Weight	=	3.1 kg/m
Alloy		EN AW-6063
Order data	Orc	ler number
50x50 heavy duty extrusion		

Order data	Order number
50x50 heavy duty extrusion Standard length 5000 mm Standard length 6000 mm	MA1-1-5M MA1-1-6M
50x50 heavy duty extrusion Cut to length	MA1-1-02-02/
Extra machining	Pages 43-47

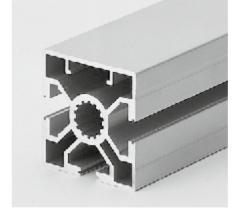
# 50x50 face extrusion type A01-8





# **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.



20.38 cm<sup>4</sup>

19.61 cm<sup>4</sup>

8.15 cm<sup>3</sup>

7.55 cm<sup>3</sup>

8.01 cm<sup>2</sup>

2.2 kg/m

EN AW-6063

Order number

A01-8-5M

A01-8-02-02/...

**Technical data** 

Cross-section area

Order data

50x50 face extrusion

50x50 face extrusion

Cut to length

Standard length 5000 mm

Ιx

Ιy

Wx

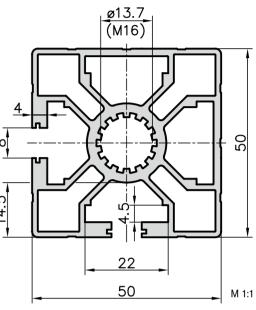
Weight

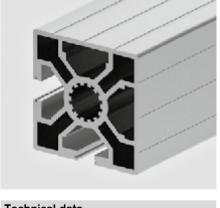
Alloy

4	

tra	machining	

# 50x50 corner extrusion type A01–7





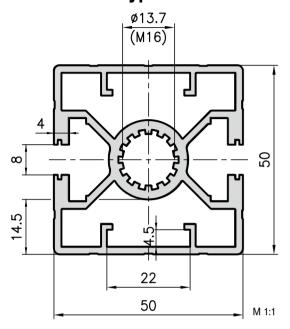
recnnicai data		
Ix,y	=	17.7 cm <sup>4</sup>
Wx,y	=	7.05 cm <sup>3</sup>
Cross-section area	=	$7.5 \; cm^2$
Weight	=	2.0 kg/m
Alloy		EN AW-6060

Order data	Order number
50x50 corner extrusion Standard length 5000 mm	A01-7-5M
50x50 corner extrusion Cut to length	A01-7-02-02/
Extra machining	Pages 43-47

Cut : Pages 43-47 Extra

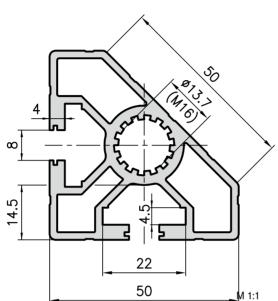
# 50x50 double face extrusion type A02-4





# 50x45° angle extrusion type A02–8





## Application

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



Technical data		
Ix	=	19.59 cm <sup>4</sup>
Iy	=	18.17 cm <sup>4</sup>
Wx	=	7.83 cm <sup>3</sup>
Wy	=	$7.27 \; {\rm cm}^3$
Cross-section area	=	$7.39 \; cm^2$
Weight	=	2.0 kg/m
Alloy		EN AW-6063

O1033 300lion area	- 7.00 0111
Weight	= 2.0 kg/m
Alloy	EN AW-6063
Order data	Order number
50x50 double face extrusion Standard length 5000 mm	A02-4-5M
50x50 double face extrusion Cut to length	A02-4-02-02/
Extra machining	Pages 43–47



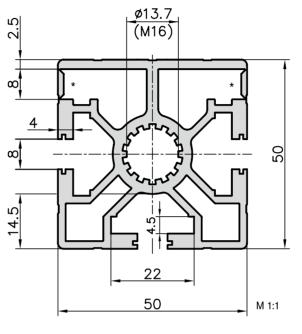
Technical data		
χ,γ	=	13.10 cm <sup>4</sup>
Vx,y	=	4.50 cm <sup>3</sup>
Pross-section area	=	6.40 cm <sup>2</sup>
Veight	=	1.7 kg/m
Alloy		EN AW-6063

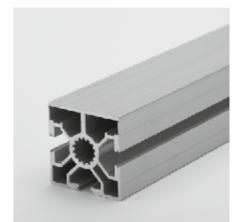
Order data	Order number
50x45° angle extrusion Standard length 5000 mm	A02-8-5M
50x45° angle extrusion Cut to length	A02-8-02-2/
Extra machining	Pages 43-47

# 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		
Ix	=	20.40 cm <sup>4</sup>
Iy	=	19.72 cm <sup>4</sup>
Wx	=	$8.07 \; cm^3$
Wy	=	$7.89 \; {\rm cm}^3$
Cross-section area	=	8.28 cm <sup>2</sup>
Weight	=	2.2 kg/m
Alloy		EN AW-6060

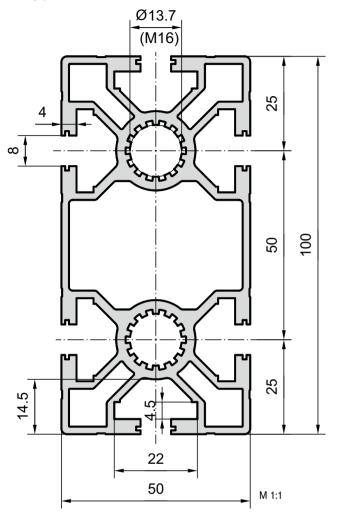
Order data	Order number
50x50 face extrusion with rip	off slot
Standard length 5000 mm	A03-8-5M
50x50 face extrusion with rip	off slot
Cut to length	A03-8-02-02/
Extra machining	Pages 43-47

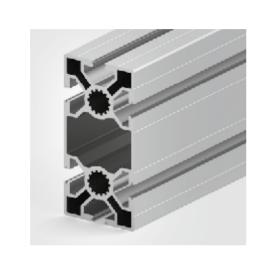




# Light extrusion 50x100 type A02-2







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#### Technical data = 148.15 cm<sup>4</sup> 37.15 cm⁴ Wx 29.63 cm<sup>3</sup> Wy 15.00 cm<sup>3</sup> Cross-section area 14.15 cm<sup>2</sup>

Alloy

3.8 kg/m

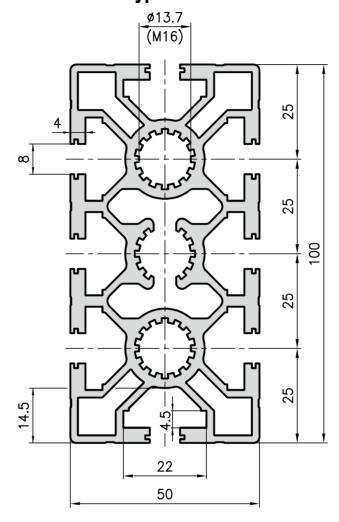
EN AW-6063

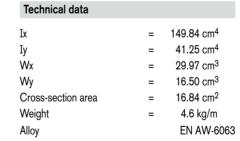
## **Application**

The new lightweight extrusion is suitable for stable basic constructions and also universally applicable. Additionally the weight versus rigidity ratio is excellent.

Order data	Order number
Leight extrusion 50x100 Standard length 5000 mm	A02-2-5M
Leight extrusion 50x100 Cut to length	A02-2-02-02/
Extra machining	Pages 43–47

# extrusion type A01-2 50x100 base





## **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.

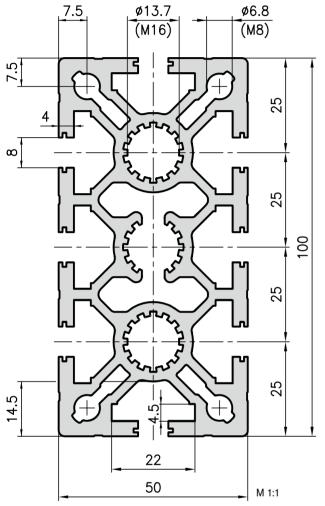
Order data	Order number
50x100 base extrusion Standard length 5000 mm Standard length 6000 mm	A01-2-5M A01-2-6M
50x100 base extrusion Cut to length	A01-2-02-02/
Extra machining	Pages 43–47

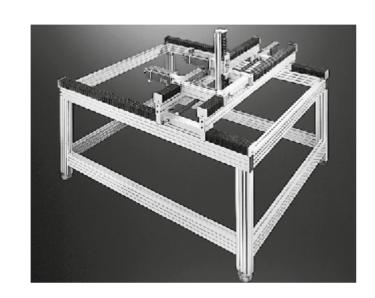




# 50x100 heavy duty extrusion type MA1-2







#### **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!

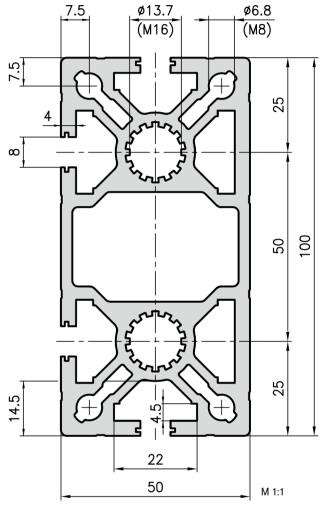
Technical data		
Ix	=	198.66 cm <sup>4</sup>
Iy	=	50.28 cm <sup>4</sup>
Wx	=	39.73 cm <sup>3</sup>
Wy	=	20.11 cm <sup>3</sup>
Cross-section area	=	19.79 cm <sup>2</sup>
Weight	=	5.3 kg/m
Alloy		EN AW-6063
Alloy		LIN ANN-0000

Order data	Order number
50x100 heavy duty extrusion Standard length 5000 mm Standard length 6000 mm	MA1-2-5M MA1-2-6M
50x100 heavy duty extrusion Cut to length	MA1-2-02-02/
Extra machining	Pages 43-47

# 50x100 face extrusion type MA1-4







Technical data		
Ix	=	203.67 cm <sup>4</sup>
Iy	=	54.31 cm <sup>4</sup>
Wx	=	40.73 cm <sup>3</sup>
Wy	=	21.03 cm <sup>3</sup>
Cross-section area	=	19.34 cm <sup>2</sup>
Weight	=	5.2 kg/m
Alloy		EN AW-6063

Order data	Order numbe
50x100 face extrusion Standard length 5000 mm Standard length 6000 mm	MA1-4-5M MA1-4-6M
50x100 face extrusion Cut to length	MA1-4-02-02/
Extra machining	Pages 43-47

## **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!

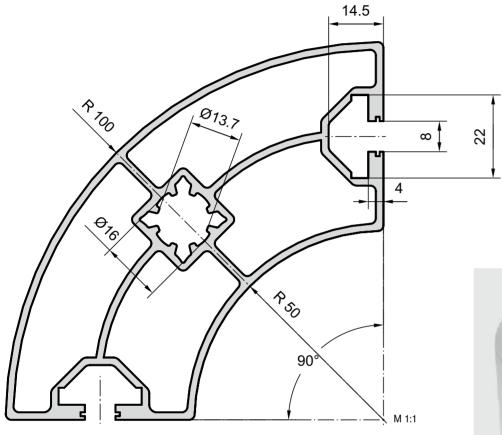




# Radius extrusion 100x100 Type A03-9









## **Application**

There is a core hole at the front of the extrusion, which allows easy mounting of an adjustable foot. A cover can be provided by a lasered aluminium plate, This is screwed on by means of a threaded reducing sleeve.

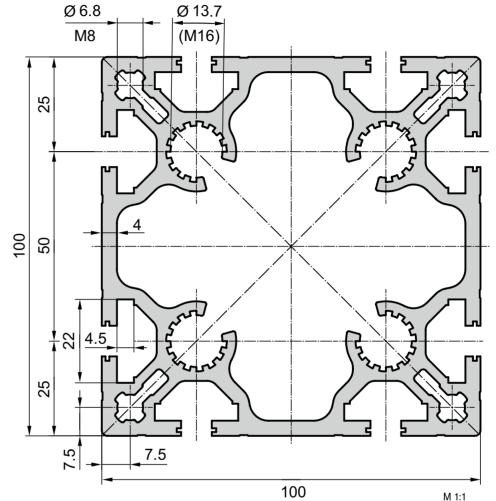


Technical data		
Ix, y	=	100.0 cm <sup>4</sup>
Wx, y	=	20.0 cm <sup>3</sup>
Cross-section area	=	12.02 cm <sup>2</sup>
Weight	=	3.2 kg/m
Alloy		EN AW-6063

Order data	Order number
Radius extrusion 100x100 Standard length 5000 mm Radius extrusion 100x100 Cut to length	A03-9-5M A03-9-02-02/
Extra machining	Pages 43–47

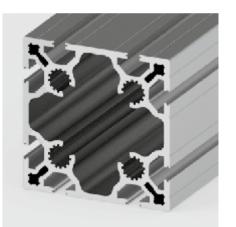
# 100x100 Base extrusion type MA3-5





## **Application**

This versatile extrusion is mainly used in machinery and plant construction and boasts the following qualities: high strength and low weight.



Ix, y	=	330.90 cm <sup>4</sup>
Wx, y	=	66.018 cm <sup>3</sup>
Cross-section area	=	27.00 cm <sup>2</sup>
Weight	=	7.28 kg/m

EN AW-6063

Technical data

Alloy

Order data	Order number
100x100 Base extrusion Standard length 5000 mm Standard length 6000 mm	MA3-5-5M MA3-5-6M
100x100 Base extrusion Cut to length	MA3-5-02-02/

Extra machining Pages 43-47

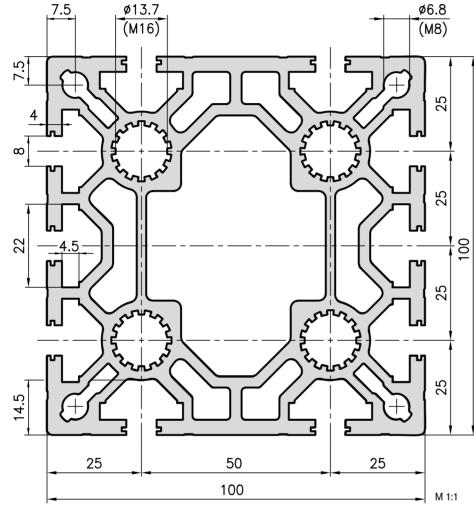


# 100x100 heavy duty extrusion type MA1-5

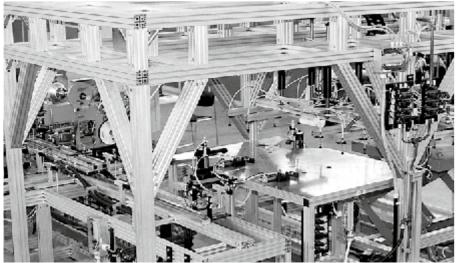


## **Application**

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.





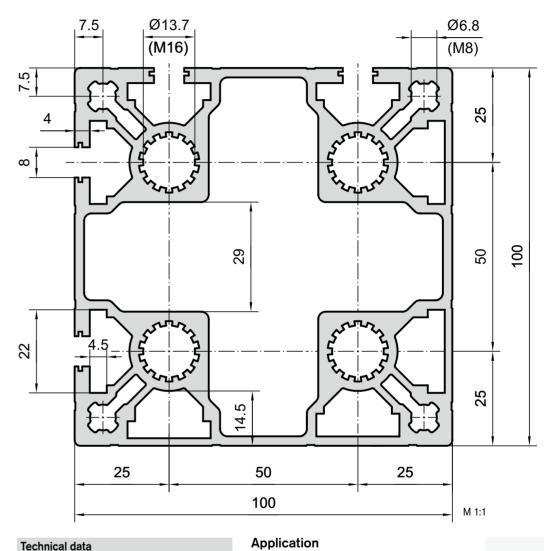


Technical data		
Ix	=	363.00 cm <sup>4</sup>
Iy	=	345.00 cm <sup>4</sup>
Wx	=	76.00 cm <sup>3</sup>
Wy	=	73.00 cm <sup>3</sup>
Cross-section area	=	35.19 cm <sup>2</sup>
Weight	=	8.9 kg/m
Alloy		EN AW-6063

Order data	Order number
100x100 heavy duty extrusion Standard length 5000 mm Standard length 6000 mm	MA1-5-5M MA1-5-6M
100x100 heavy duty extrusion Cut to length	MA1-5-02-02/

# Corner extrusion 100x100 Type A03-7



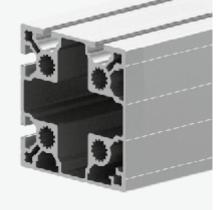


Ix, y	=	314.10 cm⁴
Wx, y	=	62.82 cm <sup>3</sup>
Cross-section area	=	26.30 cm <sup>2</sup>
Weight	=	7.10 kg/m
Alloy		EN AW-6063

Order data	Order number
Corner extrusion 100x100	
Standard length 5000 mm  Corner extrusion 100x100	A03-7-5M
Cut to length	A03-7-02-02/
Extra machining	Pages 43-47

# **Application**

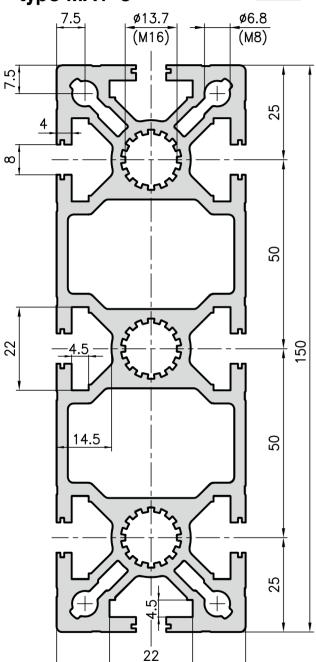
Corner extrusions are always used when closed surfaces are required. Particularly with larger machine casings, this extrusion is frequently used as a corner pillar that can absorb weight at the same time, but also optimises the look of the machine. With a base plate (A47-80) a central adjustable foot can also be installed.



# BACHTEL GROUP

# 50x150 beam extrusion type MA1-3



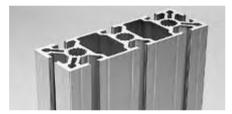


50

## Application

This extrusion is mainly used to support heavy loads because of its excellent loadbearing characteristics. However, it is also an effective manifold extrusion.

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Technical data		
Ix	= 599.80 cm <sup>4</sup>	
Iy	= 71.90 cm <sup>4</sup>	
Wx	= 81.11 cm <sup>3</sup>	
Wy	= 29.42 cm <sup>3</sup>	
Cross-section area	= 26.04 cm <sup>2</sup>	
Weight	= 7.0 kg/m	
Alloy	EN AW-6063	
Order data	Order number	

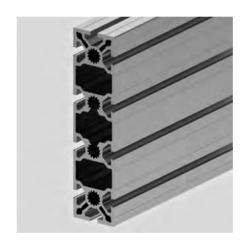
Order data	Order number
50x150 bearing extrusion Standard length 5000 mm Standard length 6000 mm	MA1-3-5M MA1-3-6M
50x150 bearing extrusion Cut to length	MA1-3-02-02/
Extra machining	Pages 43-47

# Beam extrusion 50x200 type MA1-6



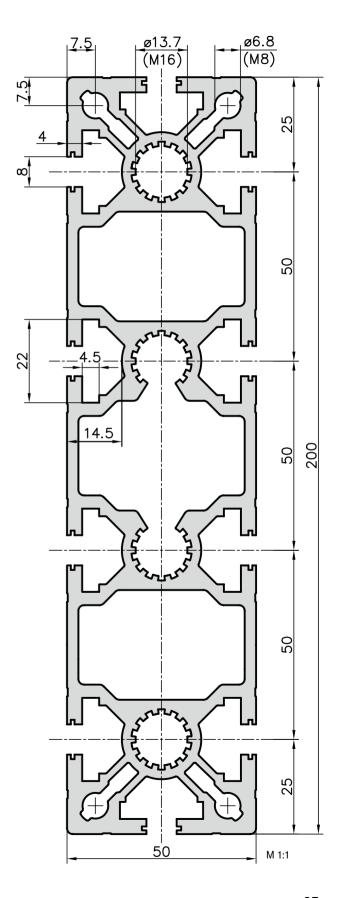
#### **Application**

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.



Technische Daten	
Ix	= 1315.83 cm <sup>4</sup>
Iy	= 92.71 cm <sup>4</sup>
Wx	$= 131.58 \text{ cm}^3$
Wy	= 37.08 cm <sup>3</sup>
Cross-section area	= 32.74 cm <sup>2</sup>
Weight	= 8.84 kg/m
Alloy	EN AW-6063
Order data	Order number

Beam extrusion 50x200 Standard length 6000 mm	MA1-6-6M
Beam extrusion 50x200 Cut to length	MA1-6-02-02/
Extra machining	Pages 43-47



# 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

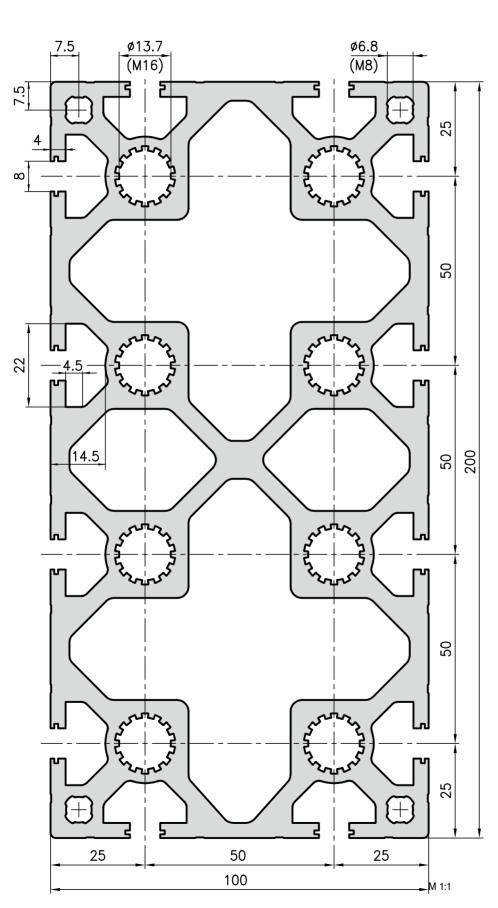
[x	=	2435.30 cm <sup>4</sup>
<b>[</b> y	=	705.60 cm <sup>4</sup>
Wx	=	243.53 cm <sup>3</sup>
Wy	=	141.12 cm <sup>3</sup>
Cross-section area	=	60.79 cm <sup>2</sup>
Weight	=	16.41 kg/m
Allov		EN AW-6063

Order data	Order number
100x200 heavy duty extrusion Standard length 5000 mm Standard length 6000 mm	MA1-9-5M MA1-9-6M

100x200 heavy duty extrusion Cut to length

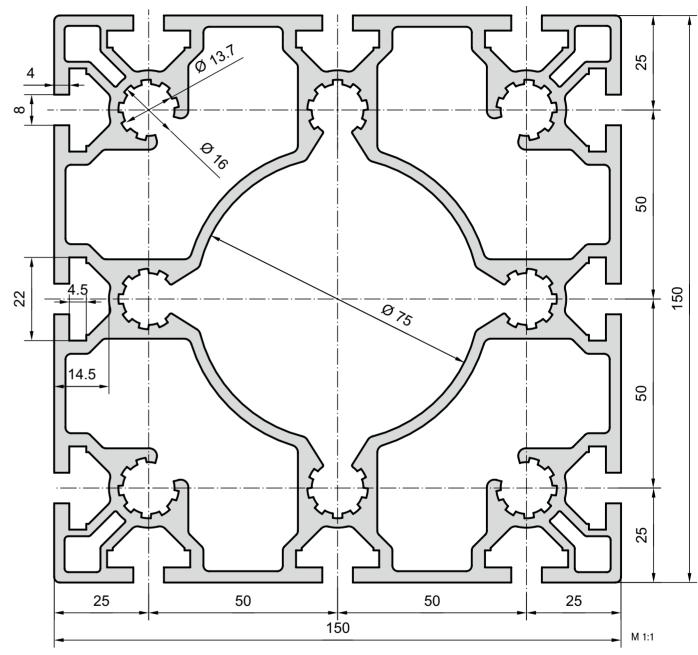
MA1-9-02-02/...

Extra machining Pages 43-47



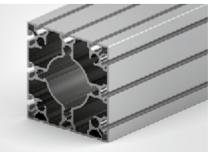
# Base extrusion 150x150 Type MA1-8





The base profile is suitable for long, heavy, self-supporting constructions.

Technical data		
Ix, y	=	1264.46 cm <sup>4</sup>
Wx, y	=	168.59 cm <sup>3</sup>
Cross-section area	=	22.08 cm <sup>2</sup>
Weight	=	13.3 kg/m

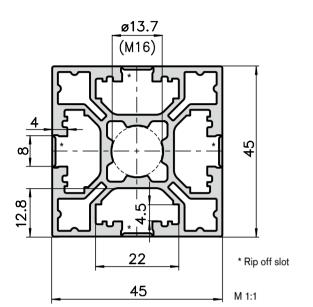


Order data	Order number
Base extrusion 150x150 Standard length 6000 mm Base extrusion 150x150	MA1-8-6M
Cut to length	MA1-8-02-02/
Extra machining	Pages 43–47
Allov	FN AW-6063

# BACHTEL GROUP

# Four sided softline extrusion 45x45 Type E10-1





# Application

The four sided softline extrusion 45x45 features an absolutely smooth surface. For this reason it is ideally suitable for clean room technology. The stable and elegant profile is easily washable. All connections are possible, thanks to the rip off slots.

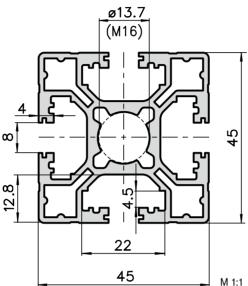


# Ix, y = 14.07 cm<sup>4</sup> Wx, y = 6.25 cm<sup>3</sup> Cross-section area = 6.75 cm<sup>2</sup> Weight = 2.07 kg/m Alloy EN AW-6063

Order data	Order number
Four sided softline extrusion 4	15x45
Standard length 5000 mm	E10-1-5M
Four sided softline extrusion	
Cut to length	E10-1-02-02/
Extra machining	Pages 43-47



# Light extrusion 45x45 Type E02-1



#### **Application**

With this light extrusion 45x45 you have many possible applications. The light-weight design offers a stable construction at an unbeatable price. This profile is particularly suitable for protective enclosures.

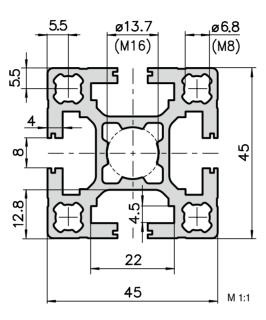
# Technical data

Ix, y	=	13.16 cm⁴
Wx, y	=	5.85 cm <sup>3</sup>
Cross-section area	=	6.37 cm <sup>2</sup>
Weight	=	1.72 kg/m
Alloy		EN AW-6063

Order data	Order number
Light extrusion 45x45	F00 4 FM
Standard length 5000 mm Light extrusion 45x45	E02-1-5M
Cut to length	E02-1-02-02/
Extra machining	Pages 43–47

# Base extrusion 45x45 Type E01-1





#### **Application**

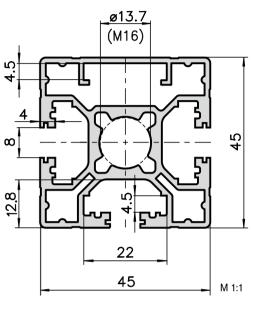
The extrusions of base 45 are an ideal supplement to those of bases 20, 30, 40 and 50. The base extrusion 45x45 can be used for all types of constructions. It is exceptionally stable. It has an optimal weight and mechanical strength ratio.

Technical data		
Ix, y	=	16.12 cm⁴
Wx, y	=	7.16 cm <sup>3</sup>
Cross-section area	=	7.68 cm <sup>2</sup>
Weight	=	2.07 kg/m

EN AW-6063

Order data	Order number
Base extrusion 45x45	
Standard length 5000 mm	E01-1-5M
Base extrusion 45x45	
Cut to length	F01-1-02-02/

# Face extrusion 45x45 Type E02-6



# **Application**

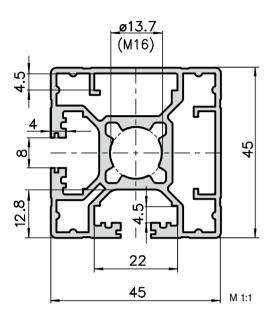
As with the base extrusion, the face extrusion can also be used for a wide range of applications. They are distinguishable by having one closed side. This reduces possible dirt deposits and gives an optically smooth effect. Extrusions can also be fitted onto the closed faces.

onto the closed face	onto the closed faces.	
Technical data		
Ix	=	11.76 cm⁴
Iy	=	12.20 cm⁴
Wx	=	5.13 cm <sup>3</sup>
Wy	=	5.42 cm <sup>3</sup>
Cross-section area	=	5.77 cm <sup>2</sup>
Weight	=	1.59 kg/r
Alloy		EN AW-606

Order data	Order number
Face extrusion 45x45 Standard length 5000 mm Face extrusion 45x45 Cut to length	E02-6-5M E02-6-02-02/
Extra machining	Pages 43-47

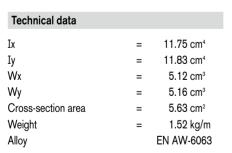
## Corner extrusion 45x45 Type E02-7





#### **Application**

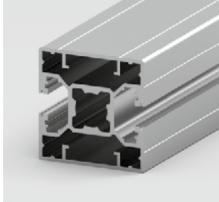
Since it is closed on two sides, the corner extrusion has a compact appearance. This simplifies cleaning but it can still be used universally. Extrusions can also be fitted onto the closed faces.



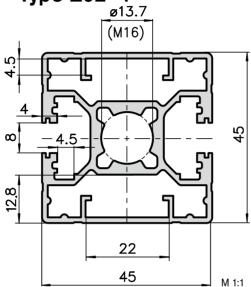
Order data	Order number
Corner extrusion 45x45	
Standard length 5000 mm	E02-7-5M
Corner extrusion 45x45	
Cut to length	E02-7-02-02/
Extra machining	Pages 43–47







## Double face extrusion 45x45 Type E02-4



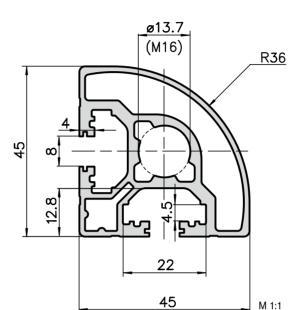
### **Application**

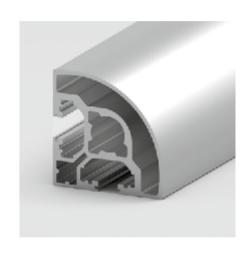
The double face extrusion 45x45 lends itself for all types of cladding. The two closed profile fronts present a timeless design.

Technical data		
Ix	=	11.46 cm⁴
Iy	=	12.33 cm⁴
Wx	=	5.09 cm <sup>3</sup>
Wy	=	5.48 cm <sup>3</sup>
Cross-section area	=	5.58 cm <sup>2</sup>
Weight	=	1.56 kg/m
Alloy		EN AW-6063

Order data	Order number
Double face extrusion 45x45	
Standard length 5000 mm	E02-4-5M
Double face extrusion 45x45	
Cut to length	E02-4-02-02/
Extra machining	Pages 43-47

# Softline extrusion 45x45 Type E03-1

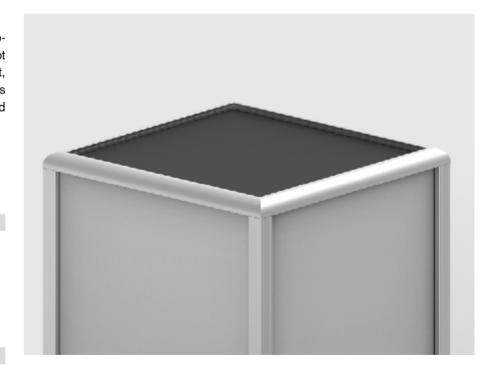




#### **Application**

The softline extrusion is suited for all applications where sharp corners are not desired. The round form has an elegant, modern and timeless effect. The profile is often used for construction of furniture and picture frames.

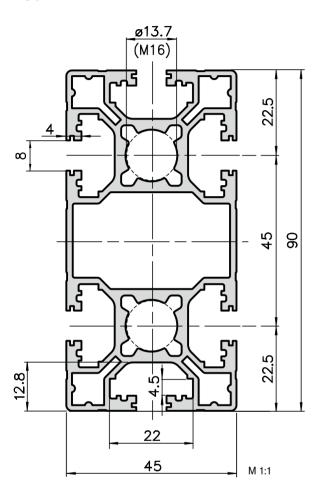
Technical data		
Ix, y	=	9.70 cm⁴
Wx, y	=	3.80 cm <sup>3</sup>
Cross-section area	=	5.35 cm <sup>2</sup>
Weight	=	1.45 kg/m
Alloy		EN AW-6063





# Light extrusion 45x90 Type E02-3





### **Application**

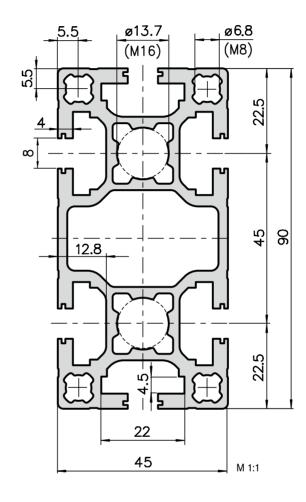
This extrusion with 2 center holes increases the connection stability. The lightweight design offers a stable construction at an unbeatable price.



Technical data		
Ix	=	90.44 cm <sup>4</sup>
Iy	=	23.62 cm⁴
Wx	=	20.10 cm <sup>3</sup>
Wy	=	10.50 cm <sup>3</sup>
Cross-section area	=	10.54 cm <sup>2</sup>
Weight	=	2.84 kg/m
Allov		EN AW-6063

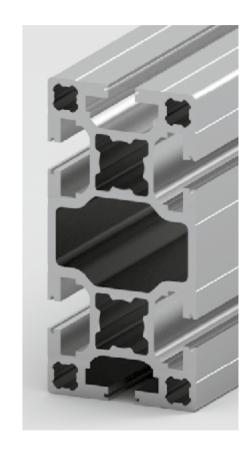
Order data	Order number
Light extrusion 45x90 Standard length 5000 mm Light extrusion 45x90	E02-3-5M
Cut to length	E02-3-02-02/
Extra machining	Pages 43-47

# Base extrusion 45x90 Type E01-3



### **Application**

This base extrusion can also be used for constructions of all types. It is exceptionally stable and its cross section makes a very wide range of applications possible.

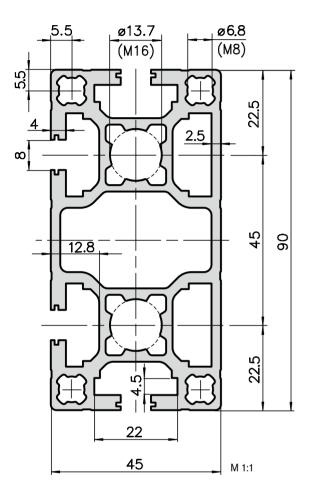


Technical data		
Ix	= 109.54 cr	m⁴
Iy	= 29.77 cr	m <sup>4</sup>
Wx	= 24.34 cr	m³
Wy	= 13.23 cr	m³
Cross-section area	= 12.97 cr	m²
Weight	= 3.50 kg	g/m
Alloy	EN AW-6	063
Wx Wy Cross-section area Weight	= 24.34 cr = 13.23 cr = 12.97 cr = 3.50 kg	m³ m³ m² g/m

Order data	Order number
Base extrusion 45x90 Standard length 5000 mm	E01-3-5M
Base extrusion 45x90 Cut to length	E01-3-02-02/
Extra machining	Pages 43-47

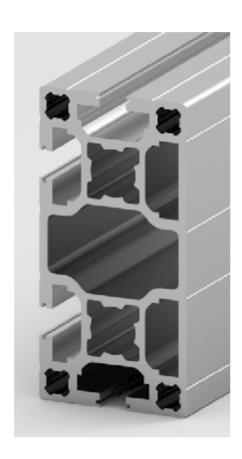
## Face extrusion 45x90 Type E01-14





### **Application**

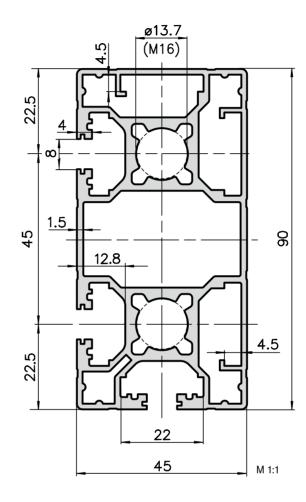
The closed sides reduce possible dirt deposits and give an optically smooth effect. As with all face extrusion, this can also be used for a wide range of applications. Extrusions can also be fitted onto the closed faces.



Technical data		
Ix	=	109.45 cm⁴
Iy	=	30.23 cm <sup>4</sup>
Wx	=	24.32 cm <sup>3</sup>
Wy	=	13.38 cm <sup>3</sup>
Cross-section area	=	12.99 cm <sup>2</sup>
Weight	=	3.50 kg/m
Allov		EN AW-6063

Order data	Order number
Face extrusion 45x90	
Standard length 5000 mm	E01-14-5M
Face extrusion 45x90	
Cut to length	E01-14-02-02/
Extra machining	Pages 43-47

# Corner extrusion 45x90 Type E02–2



### **Application**

The corner extrusion is suitable for formwork of all types. The closed sides simplify cleaning. Extrusions can also be fitted onto the closed faces.

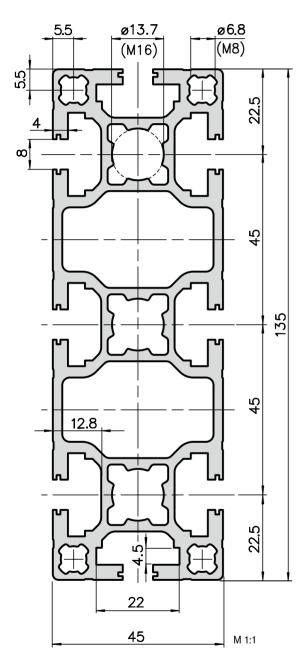


Technical data		
Ix	=	82.76 cm⁴
Iy	=	22.31 cm⁴
Wx	=	18.26 cm <sup>3</sup>
Wy	=	9.79 cm <sup>3</sup>
Cross-section area	=	9.80 cm <sup>2</sup>
Weight	=	2.65 kg/m
Alloy		EN AW-6063

Order data	Order number
Corner extrusion 45x90 Standard length 5000 mm Corner extrusion 45x90	E02-2-5M
Cut to length	E02-2-02-02/
Extra machining	Pages 43-47

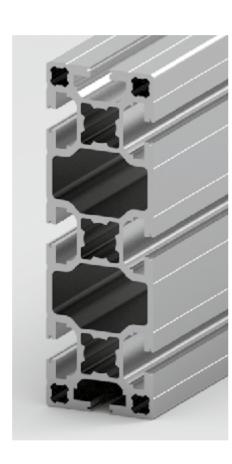
# Beam extrusion 45x135 Type E01–19





### **Application**

This beam extrusion is mainly used for high loads, thanks to its excellent mechanical strength properties.



recrimical data			
х	=	334.22 cm⁴	
y	=	43.41 cm⁴	
Vx	=	49.51 cm <sup>3</sup>	
Ny	=	19.30 cm <sup>3</sup>	
Cross-section area	=	18.25 cm <sup>2</sup>	

= 4.93 kg/m

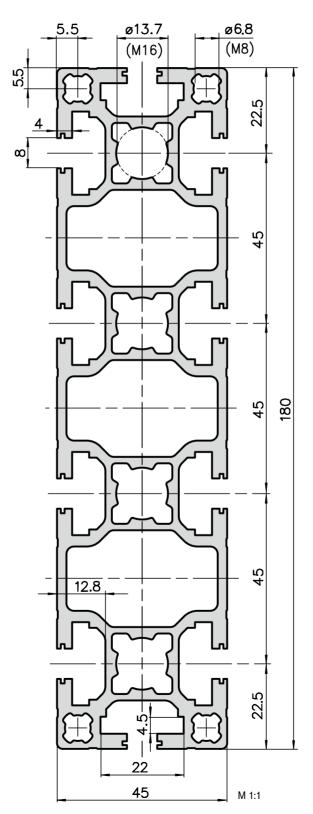
EN AW-6063

Weight

Alloy

Order data	Order number
Beam extrusion 45x135 Standard length 6000 mm Beam extrusion 45x135	E01-19-6M
Cut to length	E01-19-02-02/
Extra machining	Pages 43-47

## Beam extrusion 45x180 Type E01-16





### **Application**

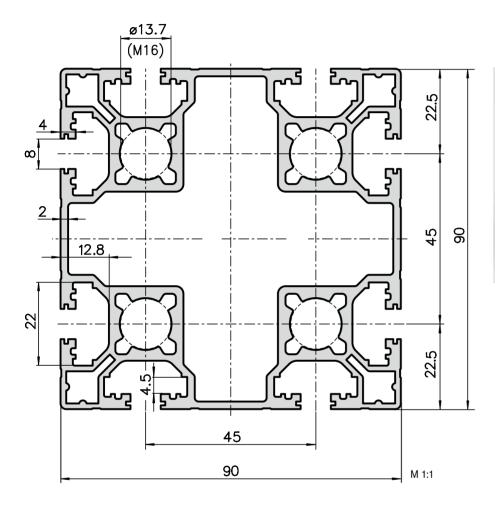
A extrusion for applications with very high load and span widths. Robust large structures can be built. It is also the perfect solution for large portals and stable cross beams.

Technical data		
Ix	=	743.74 cm⁴
Iy	=	57.06 cm⁴
Wx	=	82.64 cm <sup>3</sup>
Wy	=	25.36 cm <sup>3</sup>
Cross-section area	=	23.54 cm <sup>2</sup>
Weight	=	6.36 kg/m
Alloy		EN AW-6063

Order data	Order number
Beam extrusion 45x180	
Standard length 6000 mm Beam extrusion 45x180	E01-16-6M
Cut to length	E01-16-02-02/
Extra machining	Pages 43-47

## Light extrusion 90x90 Type E02-5







### **Application**

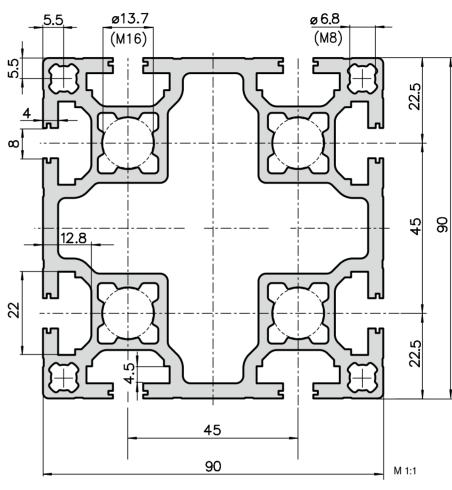
The light extrusion 90x90 main feature is its optimal torsional stiffness. The lightweight design offers a stable construction at an unbeatable price.

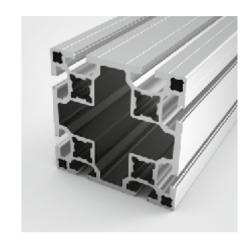
Technical data			
X, y	=	160.09 cm⁴	
Nx, y	=	35.58 cm <sup>3</sup>	
Cross-section area	=	17.53 cm <sup>2</sup>	
<b>V</b> eight	=	4.73 kg/m	
Alloy		EN AW-6063	

Order data	Order number
Light extrusion 90x90	
Standard length 6000 mm	E02-5-6M
Light extrusion 90x90	
Cut to length	E02-5-02-02/
Extra machining	Pages 43-47

## Base extrusion 90x90 Type E01-4







### **Application**

The qualities of this universal extrusion are its high strength and torsional stiffness. These make it widely used in mechanical and plant engineering. Let your ideas run free.

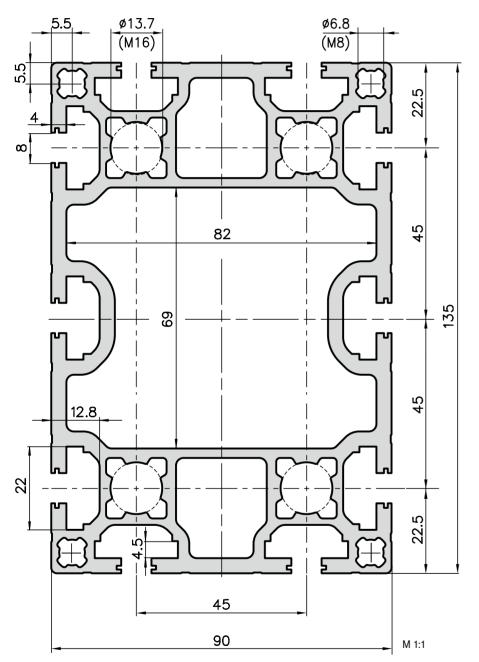
Technical data		
Ix, y	=	205.78 cm⁴
Wx, y	=	45.73 cm <sup>3</sup>
Cross-section area	=	22.50 cm <sup>2</sup>
Weight	=	6.08 kg/m
Alloy		EN AW-6063

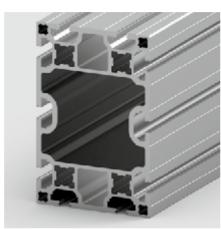
Order data	Order number
Base extrusion 90x90	F01-4-6M
Standard length 6000 mm Base extrusion 90x90	EU 1-4-0IVI
Cut to length	E01-4-02-02/
Extra machining	Pages 43-47



## Beam extrusion 90x135 Type E01-13







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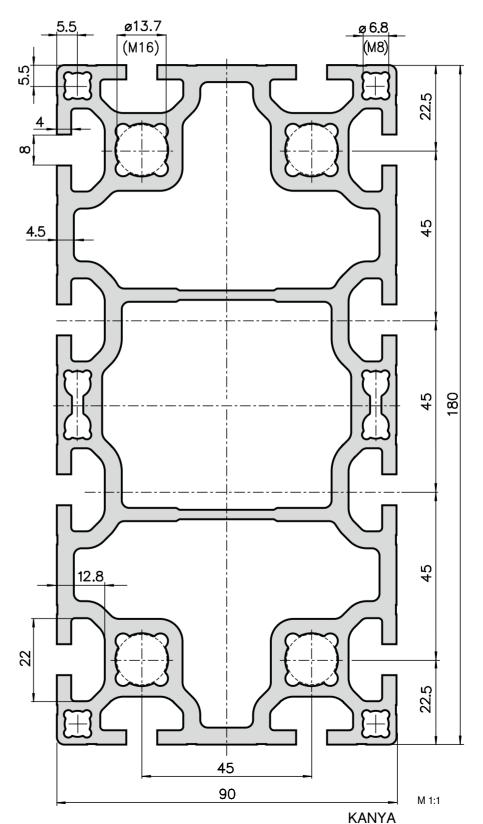
### Application

This extrusion can be used for a wide range of applications. Its optimal structural stress values make it perfect for general constructions with high loads.

Technical data		
Ix	=	618.00 cm <sup>4</sup>
Iy	=	300.57 cm⁴
Wx	=	98.56 cm <sup>3</sup>
Wy	=	66.79 cm <sup>3</sup>
Cross-section area	=	30.06 cm <sup>2</sup>
Weight	=	8.10 kg/m
Alloy		EN AW-6063

Order data	Order number
Beam extrusion 90x135 Standard length 6000 mm Beam extrusion 90x135	E01-13-6M
Cut to length	E01-13-02-02/
Extra machining	Pages 43–47

# Beam extrusion 90x180 Type E01-5





### **Application**

A heavy duty extrusion for portal construction and structures with large self supporting lengths. Ideally suited for all large structures.

Technical data		
Ix	=	1525.63 cm⁴
Iy	=	443.9 cm⁴
Wx	=	169.51 cm <sup>3</sup>
Wy	=	98.64 cm <sup>3</sup>
Cross-section area	=	44.68 cm <sup>2</sup>
Weight	=	12.06 kg/m
Alloy		EN AW-6063

Order data	Order number
Beam extrusion 90x180 Standard length 6000 mm Beam extrusion 90x180	E01-5-6M
Cut to length	E01-5-02-02/
Extra machining	Pages 43-47

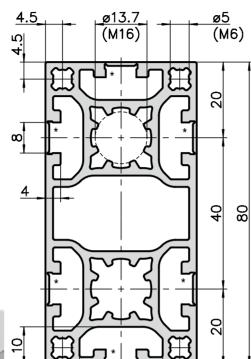
## Four sided softline extrusion 40x40 type C10-0

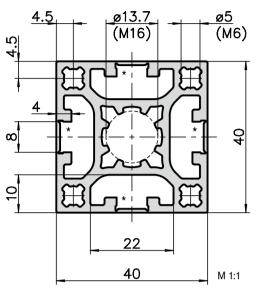






## Four sided softline extrusion 40x80 type C10-3

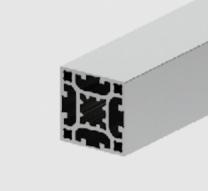




\* Rip off slot

#### **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.



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Due to its dimensions, this extrusion achieves high stability and is mostly used in clean room areas or in the food industry.

40

M 1:1

=	9.6 cm <sup>4</sup>
=	4.75 cm <sup>3</sup>
=	5.97 cm <sup>2</sup>
=	1.6 kg/m
	EN AW-6060
	= = =

Order data	Order number

Four sided softline extrusion 40x40 Standard length 5000 mm C10-0-5M

Four sided softline extrusion 40x40 C10-0-02-02/... Cut to length

Extra machining Pages 43-47



Extra machining Pages 43-47

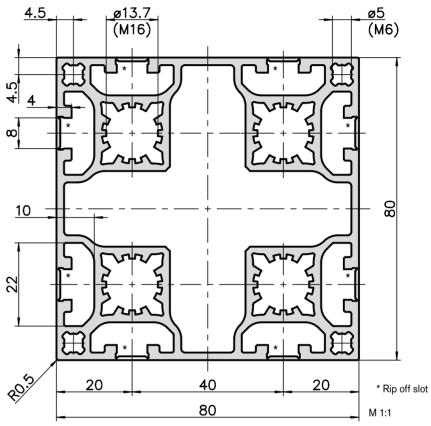
Technical data		
Ix	=	69.73 cm <sup>4</sup>
Iy	=	18.52 cm <sup>4</sup>
Wx	=	17.43 cm <sup>3</sup>
Wy	=	9.26 cm <sup>3</sup>
Cross-section area	=	10.34 cm <sup>2</sup>
Weight	=	2.8 kg/m
Alloy		EN AW-6060

Order data	Order number

Four sided softline extrusion 40x80 Standard length 5000 mm C10-3-5M

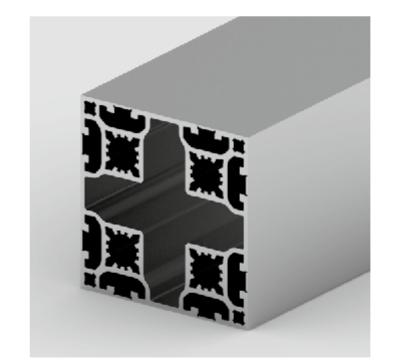
Four sided softline extrusion 40x80 Cut to length C10-3-02-02/...

## 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.

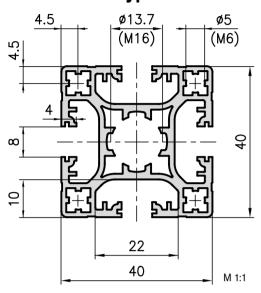


Technical data						
	119.40 cm <sup>4</sup>					
=						
=	29.85 cm <sup>3</sup>					
=	16.36 cm <sup>2</sup>					
=	4.39 kg/n					
	EN AW-606					
	=					

Order data	Order number
Softline extrusion 80x40 Standard length 5000 mm	C10-4-5M
Softline extrusion 80x80 Cut to length	C10-4-02-02/
Extra machining	Pages 43-47

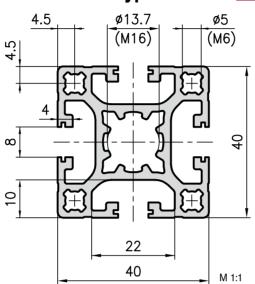
## 40x40 super lightweight extrusion type C03-1





## 40x40 lightweight extrusion type C02-1





8.20 cm<sup>4</sup>

4.10 cm<sup>3</sup>

 $4.90 \text{ cm}^2$ 

1.3 kg/m

EN AW-6060

Order number

C03-1-5M

C03-1-02-02/...

**Technical data** 

Cross-section area

Order data

Cut to length

40x40 super lightweight extrusion Standard length 5000 mm

40x40 super lightweight extrusion

Ix,y

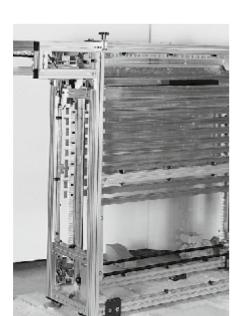
Wx,y

Weight

Alloy

### Application

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

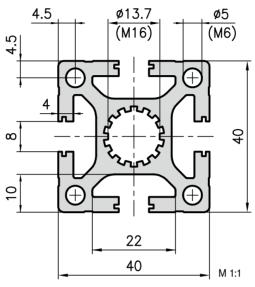


Technical data		
Ix,y	=	9.35 cm <sup>4</sup>
Wx,y	=	4.67 cm <sup>3</sup>
Cross-section area	=	5.70 cm <sup>2</sup>
Weight	=	1.5 kg/m
Alloy		EN AW-6063

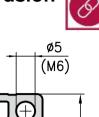
Order data	Order number
40x40 lightweight extrusion Standard length 5000 mm	C02-1-5M
40x40 lightweight extrusion Cut to length	C02-1-02-02/
Extra machining	Pages 43-47

## 40x40 base extrusion type C01-1





## 40x40 face extrusion type C01-8



4.5	4.5			Ø1.	3.7 16)	· •	Ø5 (M6	<del>5</del> )
10	4			22 22	200-50			40
		_	-	 2 4		•	M	1:1

## **Application**

11.70 cm<sup>4</sup>

 $5.75 \text{ cm}^3$ 

 $7.29 \text{ cm}^2$ 

2.0 kg/m

EN AW-6063

Order number

C01-1-5M

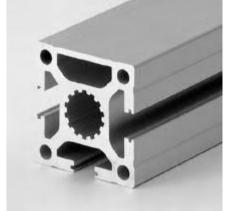
C01-1-02-02/..

Pages 43-47

These versatile extrusions can be used for for money.



tra machining	Pages



Technical data		
Ix	=	11.66 cm <sup>4</sup>
Iy	=	11.67 cm <sup>4</sup>
Wx	=	5.78 cm <sup>3</sup>
Wy	=	5.83 cm <sup>3</sup>
Cross-section area	=	7.30 cm <sup>2</sup>
Weight	=	2.0 kg/m
Alloy		EN AW-6063

Order data	Order number
40x40 face extrusion Standard length 5000 mm	C01-8-5M
40x40 face extrusion Cut to length	C01-8-02-02/

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

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tra machining	Pages 43-47

Extra machining Pages 43-47

84 **KANYA KANYA** 

Technical data

Cross-section area

Order data

40x40 base extrusion

40x40 base extrusion

Cut to length

Extra machining

Standard length 5000 mm

Ix,y

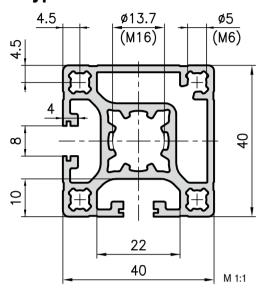
Wx,y

Weight

Alloy

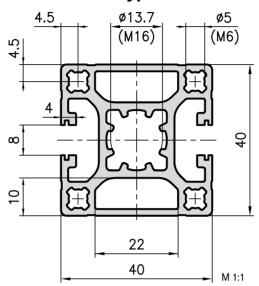
## 40x40 corner extrusion type C01-7







## 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		
Ix	=	9.56 cm <sup>4</sup>
Iy	=	9.21 cm <sup>4</sup>
Wx	=	4.78 cm <sup>3</sup>
Wy	=	4.60 cm <sup>3</sup>
Cross-section area	=	5.69 cm <sup>2</sup>
Weight	=	1.5 kg/m
Alloy		EN AW-6063

Order data	Order number
40x40 double face extrusion Standard length 5000 mm	C02-4-5M
40x40 double face extrusion Cut to length	C02-4-02-02/

## **Application**

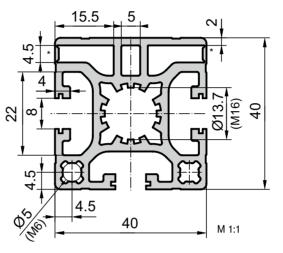
Partially closed extrusions are particularly attractive in design, trap less dirt and can be used for a wide range of applications.

Technical data		
Ix,y	=	9.21 cm <sup>4</sup>
Wx,y	=	4.53 cm <sup>3</sup>
Cross-section area	=	5.56 cm <sup>2</sup>
Weight	=	1.5 kg/m
Alloy		EN AW-6063

Order data	Order number
40x40 corner extrusion Standard length 5000 mm	C01-7-5M
40x40 corner extrusion Cut to length	C01-7-02-02/

Extra machining Pages 43-47

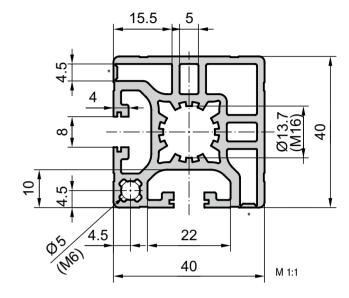
# Face panel extrusion 40x40 type C04-2

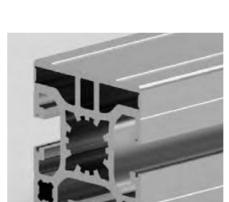




\* Rip off slot

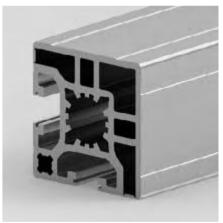
## Corner panel extrusion 40x40 type C04-7





#### **Application**

Face and corner panel extrusions have rip off slots. This allows you to insert panels in the face extension. The associated surround extrusion C39-64 can be found on Page 186.



Technical data			
x	=	9.13 cm⁴	
y	=	9.92 cm4	
Nx	=	4.57 cm <sup>3</sup>	
Ny	=	4.96 cm <sup>3</sup>	- 4
Cross-section area	=	6.02 cm <sup>2</sup>	
Veight	=	1.63 kg/m	Te.
Alloy	1	EN AW-6063	
•			

Order data	Order number
Face panel extrusion40x40 Standard length 5000 mm	C04-2-5M
Face panel extrusion40x40	C04-2-02-02/



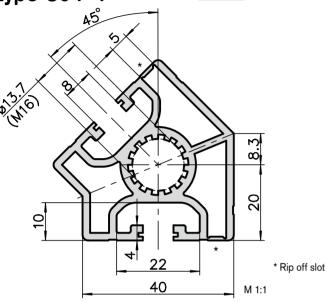
Extra machining	Pages 43-47

Technical data		
Ix, y	=	9.53 cm⁴
Wx, y	=	4.76 cm <sup>3</sup>
Cross-section area	=	6.09 cm <sup>2</sup>
Weight	=	1.64 kg/m
Alloy		EN AW-6063

Order data	Order number
Corner panel extrusion 40x40 Standard length 5000 mm	C04-7-5M
Corner panel extrusion 40x40 Cut to length	C04-7-02-02/
Evtra machining	Pages 43-47

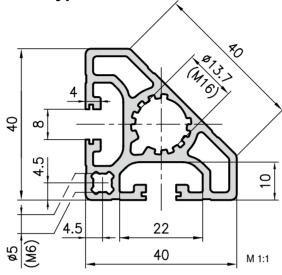
# 45° angle extrusion type C04–4







# 40x45° angle extrusion type C02–8







Extra machining



### **Application**

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

Technical data		
Ix	=	8.46 cm <sup>4</sup>
Iy	=	9.11 cm <sup>4</sup>
Wx	=	$3.01 \text{ cm}^3$
Wy	=	3.44 cm <sup>3</sup>
Cross-section area	=	$5.52 \ cm^2$
Weight	=	1.49 kg/m
Alloy		EN AW-6060

Order data	Order number
45° angle extrusion Standard length 5000 mm	C04-4-5M
45° angle extrusion Cut to length	C04-4-02-02/





Pages 43-47

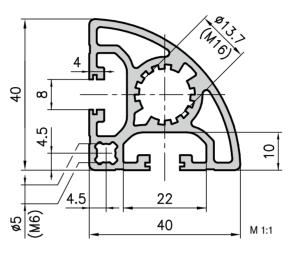
### Application

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		
Ix,y	=	6.30 cm <sup>4</sup>
Wx,y	=	$2.70 \; \text{cm}^3$
Cross-section area	=	$4.57 \; cm^2$
Weight	=	1.2 kg/m
Alloy		EN AW-6063
-		

Order data	Order number
40x45° angle extrusion Standard length 5000 mm	C02-8-5M
40x45° angle extrusion Cut to length	C02-8-02-02/
Extra machining	Pages 43-47

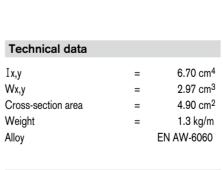
# Softline extrusion 40x40 type C03–8





### **Application**

The softline extrusion is ideal for work tables, furniture, showcases, picture frames and much more. Everywhere where disturbing edges are undesirable.



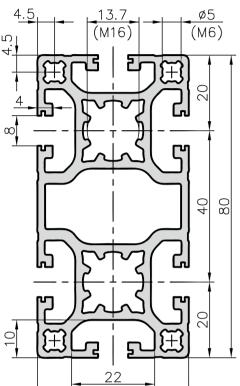
Order data	Order number
Softline extrusion 40x40 Standard length 5000 mm	C03-8-5M
Softline extrusion 40x40 Cut to length	C03-8-02-02/
Extra machining	Pages 43-47



# 40x80 light extrusion type C02-3



**Application** 



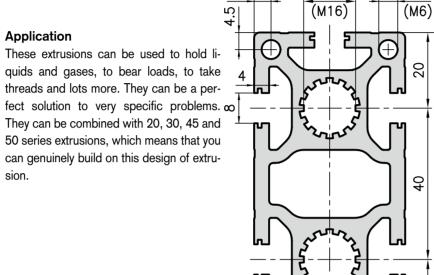
40

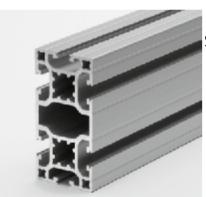
## 40x80 base extrusion type C01-3

ø13.7



90 80







22 40

#### Technical data Ιx 64.90 cm<sup>4</sup> Ιy 17.70 cm<sup>4</sup> Wx 16.23 cm<sup>3</sup> Wy $8.85 \text{ cm}^3$ 10.20 cm<sup>2</sup> Cross-section area 2.8 kg/m Alloy EN AW-6063

Order data	Order number
40x80 light extrusion Standard length 5000 mm	C02-3-5M
40x80 light extrusion Cut to length	C02-3-02-02/



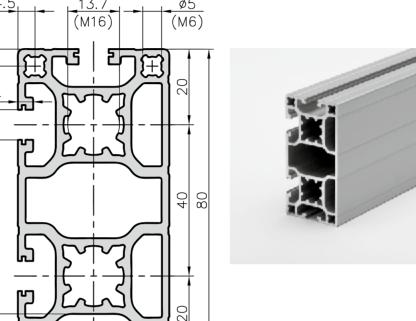
Extra machining	Pages 43-47
-----------------	-------------

Technical data		
ïx		01.05
	=	81.95 cm <sup>2</sup>
Y	=	22.74 cm <sup>2</sup>
Vx	=	20.49 cm <sup>3</sup>
Vy	=	11.37 cm <sup>3</sup>
Pross-section area	=	13.50 cm <sup>2</sup>
Veight	=	3.7 kg/m
Alloy		EN AW-6063

Order data	Order number
40x80 base extrusion Standard length 5000 mm	C01-3-5M
40x80 base extrusion Cut to length	C01-3-02-02/

## 40x80 face extrusion type C01-5





## Application

The light extrusion 40x120 is used as a cost efficient beam.

1x	=	64.40 cm <sup>4</sup>
Iy	=	17.20 cm <sup>4</sup>
Wx	=	16.10 cm <sup>3</sup>
Wy	=	8.60 cm <sup>3</sup>
Cross-section area	=	9.76 cm <sup>2</sup>
Weight	=	2.6 kg/m
Alloy		EN AW-6063
Order data	Orde	er number
40x80 face extrusion		
Standard length 5000 mm	C01-	5-5M
40x80 face extrusion		

C01-5-02-02/..

Pages 43-47

40

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

Application

as clean as possible.

Technical data

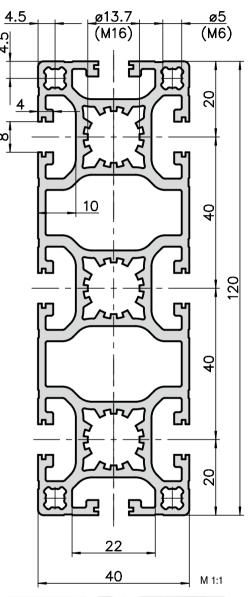
Cut to length

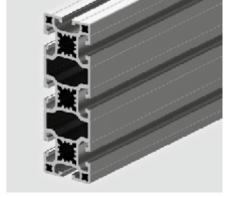
Extra machining

Technical data		
Ix	=	203.49 cm <sup>4</sup>
Iy	=	25.75 cm <sup>4</sup>
Wx	=	33.91 cm <sup>3</sup>
Wy	=	12.87 cm <sup>3</sup>
Cross-section area	=	14.77 cm <sup>2</sup>
Weight	=	3.99 kg/m
Alloy		EN AW-6060

Order data	Order number
40x120 light extrusion Standard length 5000 mm	C03-9-5M
40x120 light extrusion Cut to length	C03-9-02-02/
Extra machining	Pages 43–47

# 40x120 light extrusion type C03-9

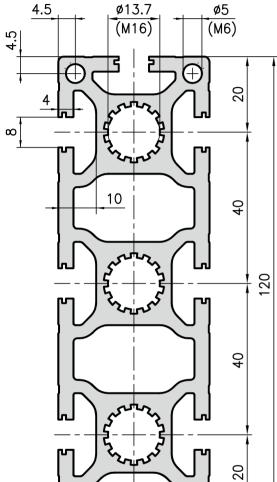






# 40x120 beam extrusion type C01–9



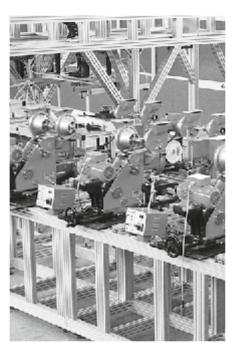


22 40

M 1:1

## Application

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



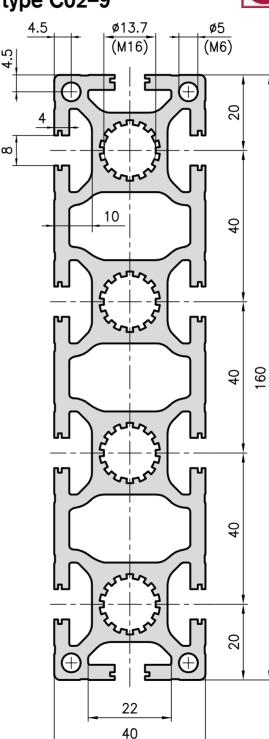


Technical data		
Ix	=	263.20 cm <sup>4</sup>
Iy	=	33.94 cm <sup>4</sup>
Wx	=	43.09 cm <sup>3</sup>
Wy	=	16.72 cm <sup>3</sup>
Cross-section area	=	19.63 cm <sup>2</sup>
Weight	=	5.36 kg/m
Alloy		EN AW-6063
<b>.</b> ,		

Order data	Order number
40x120 bearing extrusion Standard length 5000 mm Standard length 6000 mm	C01-9-5M C01-9-6M
40x120 bearing extrusion Cut to length	C01-9-02-02/
Extra machining	Pages 43-47

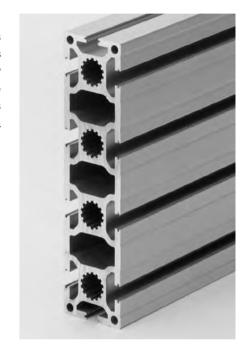
# 40x160 beam extrusion type C02-9





### 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.

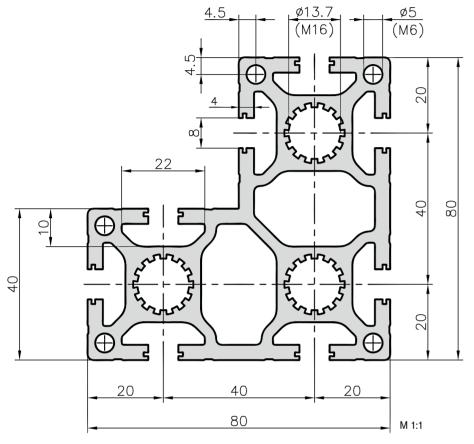


Technical data		
Ix	=	602.20 cm <sup>4</sup>
Iy	=	45.00 cm <sup>4</sup>
Wx	=	74.09 cm <sup>3</sup>
Wy	=	22.18 cm <sup>3</sup>
Cross-section area	=	25.83 cm <sup>2</sup>
Weight	=	7.0 kg/m
Alloy		EN AW-6063

Order data	Order number
40x160 bearing extrusion Standard length 5000 mm Standard length 6000 mm	C02-9-5M C02-9-6M
40x160 bearing extrusion Cut to length	C02-9-02-02/
Extra machining	Pages 43-47

# 80x80x40 L-shaped extrusion type C01–6







Technical data		
Ix,y	=	108.05 cm <sup>4</sup>
Wx,y	=	23.56 cm <sup>3</sup>
Cross-section area	=	19.59 cm <sup>2</sup>
Weight	=	5.0 kg/m
Alloy		EN AW-6063

## **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 L-shaped extrusion

Standard length 5000 mm

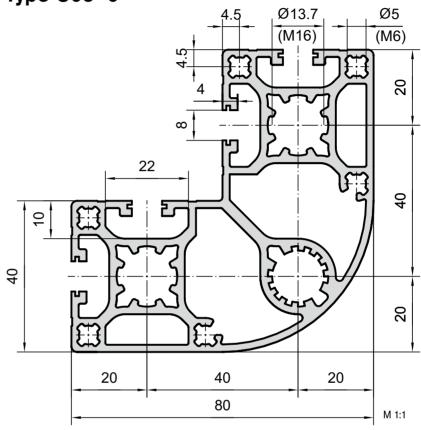
C01-6-5M

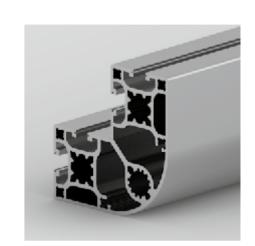
80x80x40 L-shaped extrusion

C01-6-02-02/... Cut to length Extra machining Pages 43-47



## Corner extrusion 80x80x40 round Type C03-6





### Technical data

76.40 cm<sup>4</sup> Ix, y Wx, y 19.10 cm<sup>3</sup> Cross-section area 13.33 cm<sup>2</sup> 3.60 kg/m Weight EN AW-6060 Alloy

#### Order data Order number

Corner extrusion 80x80x40 round Standard length 5000 mm C03-6-5M Corner extrusion 80x80x40 round C03-6-02-02/... Cut to length

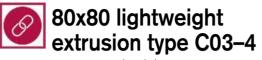
Extra machining Pages 43-47

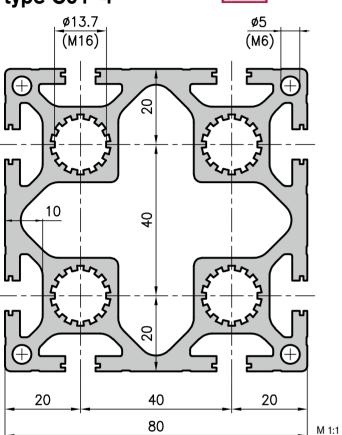
## **Application**

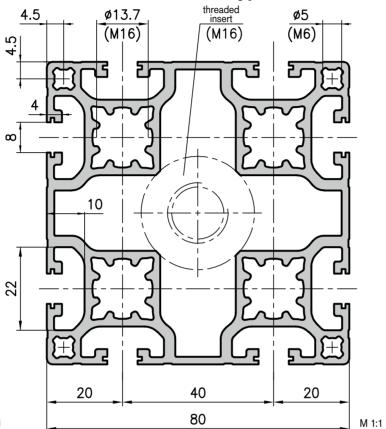
Rounded-off corners result in a soft design. Through the completely closed side, the overall look of a construction becomes more settled. Firmness and flexibility are very high.

## 80x80 base extrusion type C01-4











Technical data

Cross-section area

Order data
80x80 base extrusion

Standard length 5000 mm

Standard length 6000 mm

80x80 base extrusion

Cut to length

Extra machining

Ix,y

Wx,y

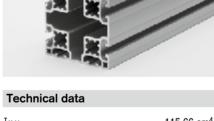
Weight

Alloy

## 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.



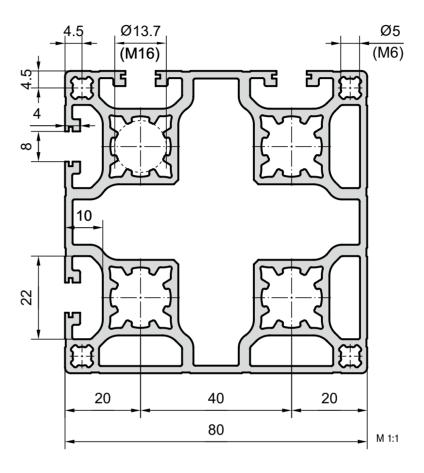


I x,y	= 115.66 cm	4
Wx,y	= 28.92 cm	3
Cross-section area	= 16.30 cm	2
Weight	= 4.4 kg/r	n
Alloy	EN AW-6063	3
Ouden dete	0	

Order data	Order number
Lightweight extrusion 80x80	
Standard length 5000 mm	C03-4-5M
Standard length 6000 mm	C03-4-6M
Lightweight extrusion 80x80	
Cut to length	C03-4-02-02/
Extra machining	Pages 43-47

# Corner extrusion 80x80 Type C03-7







### Technical data

 Ix, y
 =
 117.70 cm<sup>4</sup>

 Wx, y
 =
 29.43 cm<sup>3</sup>

 Cross-section area
 =
 16.45 cm<sup>2</sup>

 Weight
 =
 4.50 kg/m

 Alloy
 EN AW-6060

Order data	Order number
Corner extrusion 80x80 Standard length 5000 mm	C03-7-5M
Corner extrusion 80x80 Cut to length	C03-7-02-02/
Extra machining	Pages 43–47

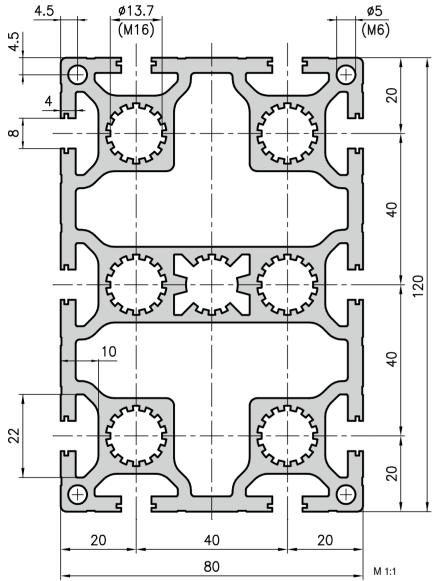
## **Application**

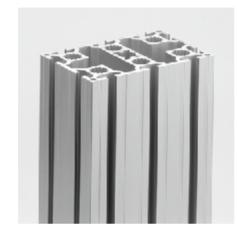
The corner extrusion 80x80 in lightweight design can also be ideally used as a corner pillar. Its dimension results in a great firmness; the closed fronts are convincing in their design and prevent the depositing of dirt. The profile has very versatile use.



## Beam extrusion 80x120 type MC1-2







### **Application**

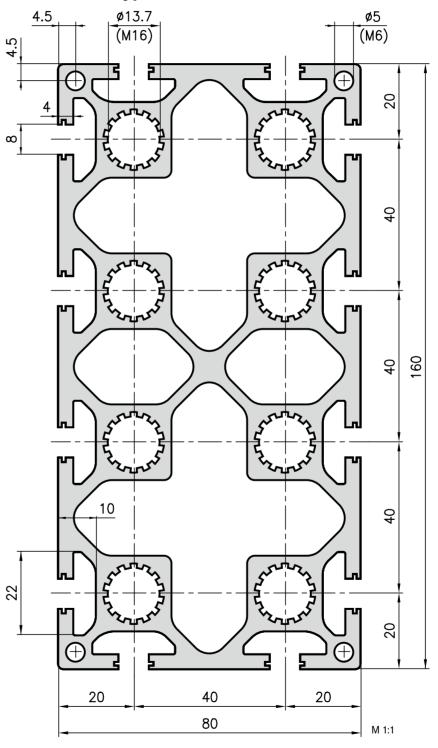
Extra machining

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

Technical data		
Ix	=	451.20 cm <sup>4</sup>
Iy	=	219.76 cm <sup>4</sup>
Wx	=	75.20 cm <sup>3</sup>
Wy	=	54.94 cm <sup>3</sup>
Cross-section area	=	31.07 cm <sup>2</sup>
Weight	=	8.40 kg/m
Alloy		EN AW-6063
<b>^</b>		
Order data	Ord	ler number
Beam extrusion 80x120 Standard length 6000 mm		ler number

Pages 43-47

# 80x160 heavy duty extrusion type MC1-9





### Application

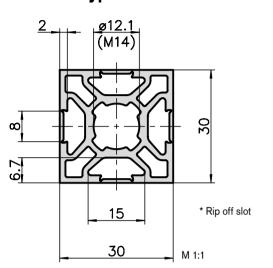
This high strength extrusion is used for the construction of gantries and for structures which have to support a heavy load or which have long unsupported sections.

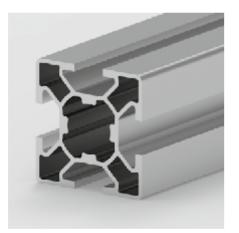
Technical data		
Ix	=	1018.98 cm <sup>4</sup>
Iy	=	296.53 cm <sup>4</sup>
Wx	=	112.37 cm <sup>3</sup>
Wy	=	74.13cm <sup>3</sup>
Cross-section area	=	40.82 cm <sup>2</sup>
Weight	=	11.0 kg/r
Alloy		EN AW-606

•	
Order data	Order number
80x160 heavy duty extrusion Standard length 5000 mm Standard length 6000 mm	MC1-9-5M MC1-9-5M
80x160 heavy duty extrusion Cut to length	MC1-9-02-02/
Extra machining	Pages 43-47

## Four sided softline extrusion 30x30 type B10-0

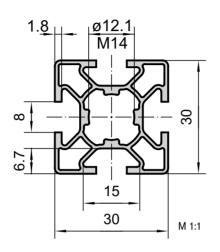








# Super lightweight extrusion 30x30 type B03-1



### 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		
Ix,y	=	3.30 cm <sup>4</sup>
Wx,y	=	$2.20 \; \text{cm}^3$
Cross-section area	=	$3.57 \text{ cm}^2$
Weight	=	0.96 kg/m
Alloy		EN AW-6060

Order data	Order number
Four sided softline extrusion	30x30
Standard length 5000 mm	B10-0-5M

Four sided softline extrusion 30x30

Cut to length B10-0-02-02/...

Extra machining Pages 43-47

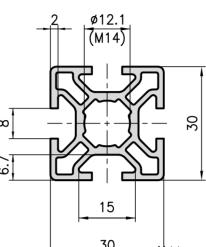
=	2.63 cm <sup>4</sup>
=	1.76 cm <sup>3</sup>
=	$2.62 \ cm^2$
=	0.7 kg/m
	EN AW-6060
	=

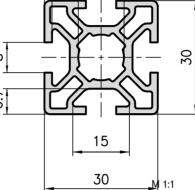
Order number			
x30 B03-1-5M			
Super lightweight extrusion 30x30 Cut to length B03-1-02-02/			

Extra machining

Pages 43-47

## Lightweight extrusion 30x30 type B02-1



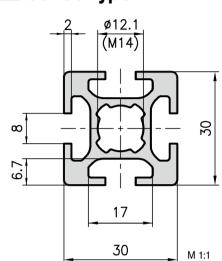


#### **Application**

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.



## Heavy duty extrusion 30x30 type MB1-1

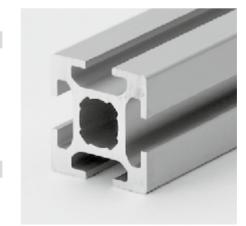


#### **Application**

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



Order data	Order number
Lightweight extrusion 30x30 Standard length 5000 mm	B02-1-5M
Lightweight extrusion 30x30 Cut to length	B02-1-02-02/
Extra machining	Pages 43-47



Technical data		
Ix,y	=	3.82 cm <sup>4</sup>
Wx,y	=	2.54 cm <sup>3</sup>
Cross-section area	=	4.10 cm <sup>2</sup>
Weight	=	1.1 kg/m
Alloy		EN AW-6063

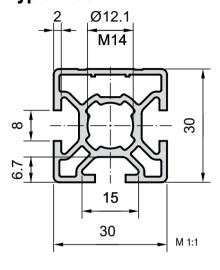
Order data	Order number
Heavy duty extrusion 30x30 Standard length 5000 mm	MB1-1-5M
Heavy duty extrusion 30x30 Cut to length	MB1-1-02-02/
Extra machining	Pages 43-47

## 30x30 face extrusion type B03-2

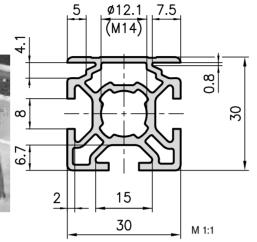




## 30x30 face extrusion with panel slots type B02-2







### Application

For lightweight machine frames, protective guards, safety fencing, etc. Metal panelling 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		
Ix	=	2.85 cm <sup>4</sup>
Iy	=	2.83 cm <sup>4</sup>
Wx	=	1.90 cm <sup>3</sup>
Wy	=	1.83 cm <sup>3</sup>
Cross-section area	=	3.10 cm <sup>2</sup>
Weight	=	0.8 kg/m
Alloy		EN AW-6063
-		

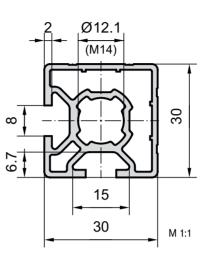
IX	=	2.85 cm <sup>4</sup>
Iy	=	2.83 cm <sup>4</sup>
Wx	=	1.90 cm <sup>3</sup>
Wy	=	1.83 cm <sup>3</sup>
Cross-section area	=	$3.10 \text{ cm}^2$
Weight	=	0.8 kg/m
Alloy		EN AW-6063
Order data	Orde	er number
Order data 30x30 face extrusion	Orde	er number
	Orde	
30x30 face extrusion Standard length 5000 mm		
30x30 face extrusion Standard length 5000 mm 30x30 face extrusion	B03-2	2-5M
30x30 face extrusion Standard length 5000 mm	B03-2	

Technical data		
Ix	=	2.93 cm <sup>4</sup>
Iy	=	$2.76 \text{ cm}^4$
Wx	=	1.93 cm <sup>3</sup>
Wy	=	1.84 cm <sup>3</sup>
Cross-section area	=	$3.18 \text{ cm}^2$
Weight	=	0.9 kg/m
Alloy	I	EN AW-6063
Order data	Order number	

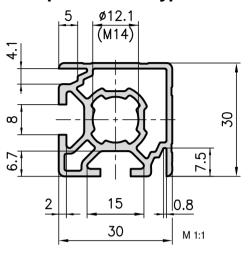
Alloy	EN AW-6063
Order data	Order number
30x30 face enclosure extrusi Standard length 5000 mm	on B02-2-5M
30x30 face enclosure extrusi Cut to length	on B02-2-02-02/
Extra machining	Pages 43-47

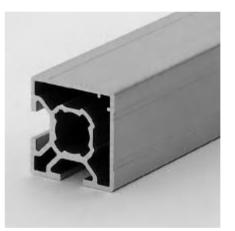
## 30x30 corner extrusion type B02-3





## 30x30 corner extrusion with panel slots type B01-3





#### **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.



Technical data		
Ix,y	=	2.70 cm <sup>4</sup>
Wx,y	=	1.75 cm <sup>3</sup>
Cross-section area	=	2.95 cm <sup>2</sup>
Weight	=	0.8 kg/m
Alloy		EN AW-6063

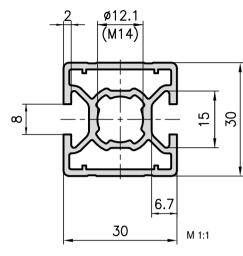
Order data	Order number
30x30 corner extrusion Standard length 5000 mm	B02-3-5M
30x30 corner extrusion Cut to length	B02-3-02-02/
Extra machining	Pages 43-47

Technical data		
Ix,y	=	2.70 cm <sup>4</sup>
Wx,y	=	1.75 cm <sup>3</sup>
Cross-section area	=	2.98 cm <sup>2</sup>
Weight	=	0.8 kg/m
Alloy		EN AW-6063
•		

Order data	Order number
30x30 corner enclosure extru	usion
Standard length 5000 mm	B01-3-5M
30x30 corner enclosure extru	usion
Cut to length	B01-3-02-02/
Extra machining	Pages 43-47

## 30x30 double face extrusion type B02-4





### **Application**

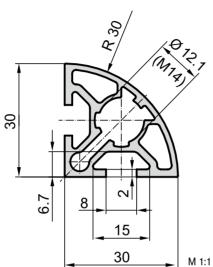
For all types of enclosure, as well as for structures with extrusion faces which are mainly closed and for applications with an attractive design.



Technical data	
Ix	= 2.73 cm <sup>4</sup>
Iy	$= 2.74 \text{ cm}^4$
Wx	= 1.82 cm <sup>3</sup>
Wy	= 1.83 cm <sup>3</sup>
Cross-section area	= 2.91 cm <sup>2</sup>
Weight	= 0.8 kg/m
Alloy	EN AW-6063
0	0

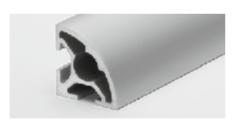
Order data	Order number
30x30 double face extrusion Standard length 5000 mm	B02-4-5M
30x30 double face extrusion Cut to length	B02-4-02-02/
Extra machining	Pages 43-47

## 30x30 softline extrusion type B01–8



### Application

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

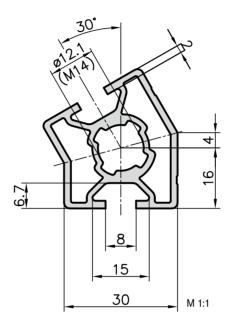


Technical data		
Ix, y	=	2.16 cm <sup>4</sup>
Wx, y	=	1.44 cm <sup>3</sup>
Cross-section area	=	$2.56 \text{ cm}^2$
Weight	=	0.7 kg/m
Alloy	EN	N AW-6060

Order data	Order number
30x30 softline extrusion Standard length 5000 mm	B01-8-5M
30x30 softline extrusion Cut to length	B01-8-02-02/
Extra machining	Pages 43-47

# 30° angle extrusion type B04–3

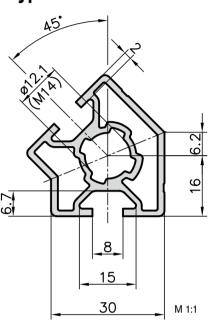


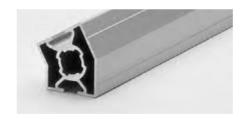


### **Application**

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

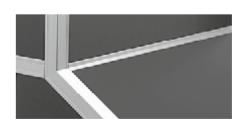
# 45° angle extrusion type B04-4

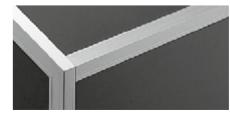


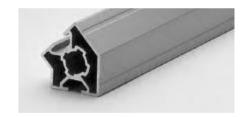


Ix	=	3.23 cm
Iy	=	2.89 cm
Wx	=	1.54 cm <sup>2</sup>
Wy	=	1.48 cm
Cross-section area	=	3.13 cm
Weight	=	0.9 kg/m
Alloy		EN AW-6060

Order data	Order number
30° angle extrusion Standard length 5000 mm	B04-3-5M
30° angle extrusion Cut to length	B04-3-02-02/
Extra machining	Pages 43-47





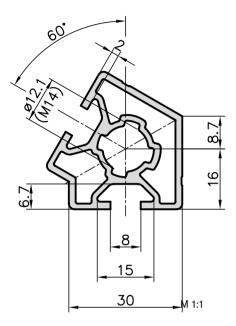


Technical data		
Ix	=	3.14 cm <sup>4</sup>
Iy	=	2.91 cm <sup>4</sup>
Wx	=	1.44 cm <sup>3</sup>
Wy	=	1.45 cm <sup>3</sup>
Cross-section area	=	3.13 cm <sup>2</sup>
Weight	=	0.9 kg/m
Alloy		EN AW-6060

Alloy	EN AW-6060
Order data	Order number
45° angle extrusion Standard length 5000 mm	B04-4-5M
45° angle extrusion Cut to length	B04-4-02-02/
Extra machining	Pages 43-47

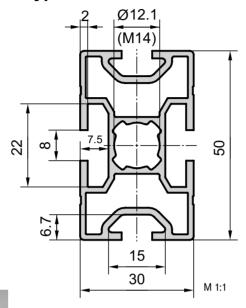
## 60° angle extrusion type B04-6







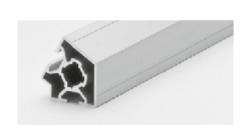
## Base extrusion 30x50 type B01-9





**Technical data** 

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, 45 or 50. This extrusion is sturdy and strong, despite using little aluminium.

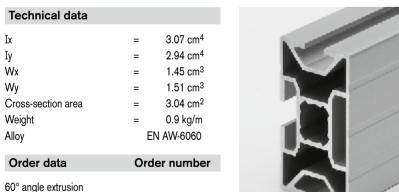


Standard length 5000 mm

60° angle extrusion

Cut to length

Extra machining



B04-6-5M

B04-6-02-02/...

Pages 43-47

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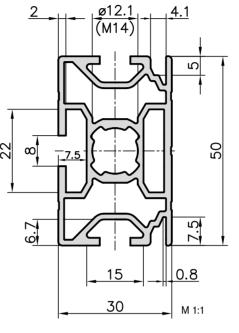
Iy	$= 4.33 \text{ cm}^4$
Wx	= 4.38 cm <sup>3</sup>
Wy	$= 2.90 \text{ cm}^3$
Cross-section area	= 4.34 cm <sup>2</sup>
Weight	= 1.2 kg/m
Alloy	EN AW-6063
Order data	Order number
Base extrusion 30x50 Standard length 5000 mm	B01-9-5M
-	B01-9-5M
Standard length 5000 mm	B01-9-5M
Standard length 5000 mm Base extrusion 30x50	

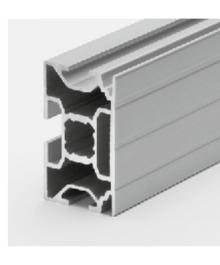
10.94 cm<sup>4</sup>

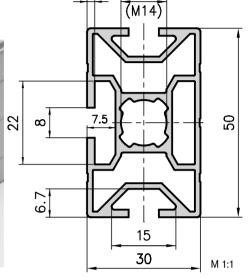
## 30x50 face extrusion with panel slots type MB1-9



# Face extrusion 30x50 type MB2-9







#### **Application**

Order data

Cut to length

30x50 face extrusion with panel slots

30x50 face extrusion with panel slots

Standard length 5000 mm

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.

## **Application**

Order data

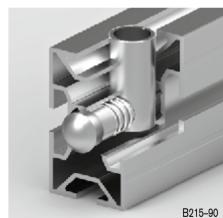
Round-headed connector

Vertical-headed connector

Horizontal-headed connector B215-10

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:



Technical data		
Ix	=	11.25 cm <sup>4</sup>
Iy	=	4.84 cm <sup>4</sup>
Wx	=	4.50 cm <sup>3</sup>
Wy	=	3.23 cm <sup>3</sup>
Cross-section area	=	$5.00 \text{ cm}^2$
Weight	=	1.3 kg/m
Alloy		EN AW-6063
-		

Order number

MB1-9-02-02/...

B215-10

10	B215-20

Order number

B215-90

B215-20

Extra machining Pages 43–47
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Order data	Order number
Alloy	EN AW-6063
Weight	= 1.3 kg/m
Cross-section area	= 4.52 cm <sup>2</sup>
Wy	= 3.03 cm <sup>3</sup>
Wx	= 4.52 cm <sup>3</sup>
Iy	= 4.55 cm <sup>4</sup>
Ix	= 11.30 cm <sup>4</sup>
Technical data	

Face extrusion 30x50 Standard length 5000 mm	MB2-9-5M
Face extrusion 30x50 Cut to length	MB2-9-02-02/

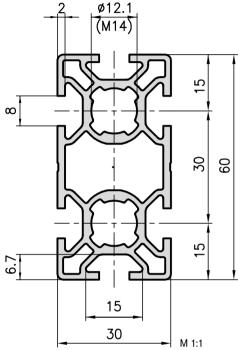


# 30x60 base extrusion type B01-6

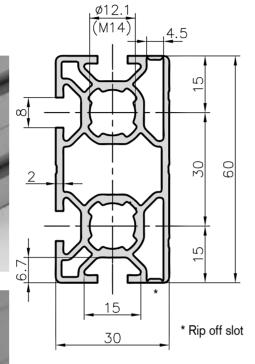




## 30x60 face extrusion with panel slots type B03-6







### **Application**

Alloy

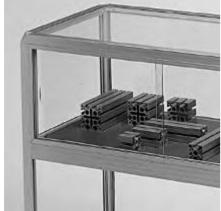
Ideally suited for use as a cross-beam or for building lightweight conveyor belts. A versatile extrusion for many applications.



1.5 kg/m

EN AW-6063

Order data	Order number
30x60 base extrusion Standard length 5000 mm	B01-6-5M
30x60 base extrusion Cut to length	B01-6-02-02/



Extra machining	Pages 43-47
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### Application

Order data

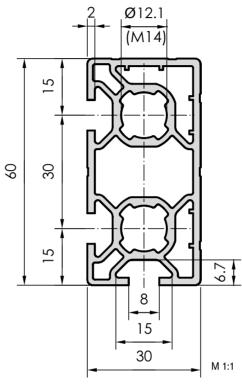
With the same function as the extrusion type MB1-9 but with the difference being that the small slots have to be opened if they are required.

Technical data	
Ix	= 19.33 cm <sup>4</sup>
Iy	= 5.43 cm <sup>4</sup>
Wx	$= 6.44 \text{ cm}^3$
Wy	= 3.60 cm <sup>3</sup>
Cross-section area	= 5.48 cm <sup>2</sup>
Weight	= 1.5 kg/m
Alloy	EN AW-6060

Order number

30x60 face extrusion with panel slots		
Standard length 5000 mm	B03-6-5M	
30x60 face extrusion with pa	anel slots	
Cut to length	B03-6-02-02/	

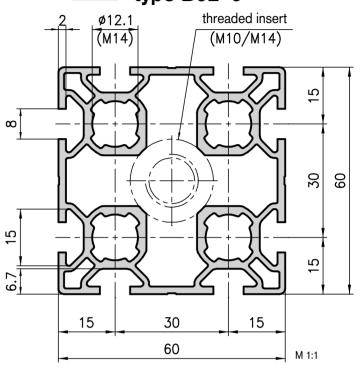
# Corner extrusion 30x60 type B02-5





## 8

## 60x60 base extrusion type B02-6



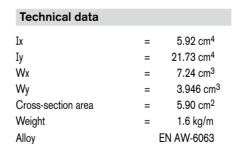
### Application

Corner extrusions are suitable for machine frames, guards, safety partitions and much more.



#### Application

Mainly used as a brace. Levelling feet and castors can be attached using the threaded inserts B33-60 or B33-64 (page 159).



Order data	Order number
Corner extrusion 30x60 Standard length 5000 mm	B02-5-5M
Corner extrusion 30x60 Cut to length	B02-5-02-02/



Pages 43-47

Extra machining

Technical data		
Ix,y	=	35.83 cm <sup>4</sup>
Wx,y	=	11.94 cm <sup>3</sup>
Cross-section area	=	9.04 cm <sup>2</sup>
Weight	=	2.4 kg/m
Alloy		EN AW-6063

Order data	Order number
60x60 base extrusion Standard length 5000 mm	B02-6-5M
60x60 base extrusion Cut to length	B02-6-02-02/
nsert M10 nsert M14	B33-60 B33-64

Ø30

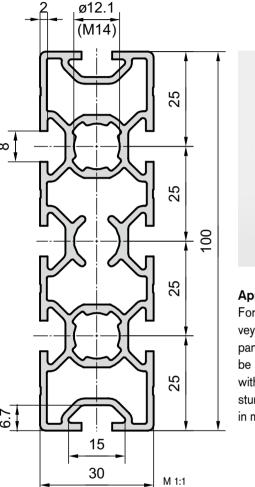
15

## 30x100 base extrusion type MB1-2





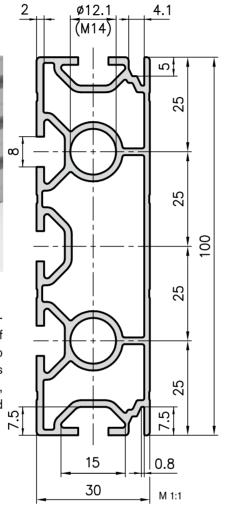
## 30x100 face extrusion with panel slots type B01-2





### **Application**

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



Technical data		
Ix	=	80.77 cm <sup>4</sup>
Iy	=	8.95 cm <sup>4</sup>
Wx	=	16.15 cm <sup>3</sup>
Wy	=	$5.97 \; {\rm cm}^3$
Cross-section area	=	$8.59 \ cm^2$
Weight	=	2.3 kg/m
Alloy		EN AW-6060

Alloy	EN AVV-0000
Order data	Order number
30x100 base extrusion Standard length 5000 mm	MB1-2-5M
30x100 base extrusion Cut to length	MB1-2-02-02/



Extra machining	Pages 43-47
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Technical data		
Ix	=	77.86 cm <sup>4</sup>
Iy	=	8.79 cm <sup>4</sup>
Wx	=	15.57 cm <sup>3</sup>
Wy	=	5.72 cm <sup>3</sup>
Cross-section area	=	$7.72 \ cm^2$
Weight	=	2.1 kg/m
Alloy		EN AW-6060

Order number

30x100 face enclosure extrusion		
Standard length 5000 mm	B01-2-5M	
30x100 face enclosure extrusion		
Cut to length	B01-2-02-02/	

Order data

## 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		
Ix	=	1755.64 cm <sup>4</sup>
Iy	=	26.06 cm <sup>4</sup>
Wx	=	117.04 cm <sup>3</sup>
Wy	=	17.30 cm <sup>3</sup>
Cross-section area	=	18.74 cm <sup>2</sup>
Weight	=	5.10 kg/m
Alloy		EN AW-6063

Oraci data	Oraci nambe
30x300 face extrusion Standard length 5000 mm	B03-3-5M
30x300 face extrusion Cut to length	B03-3-02-02/
Extra machining	Pages 43-47

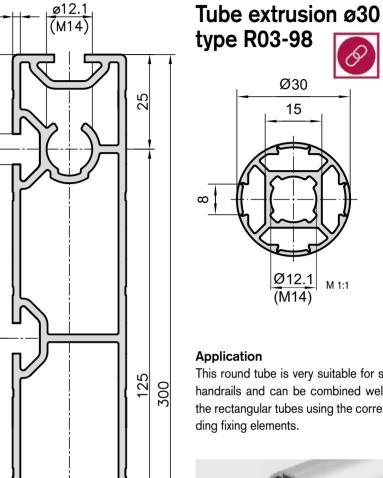
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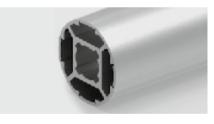
75

17

30



This round tube is very suitable for simple handrails and can be combined well with the rectangular tubes using the corresponding fixing elements.



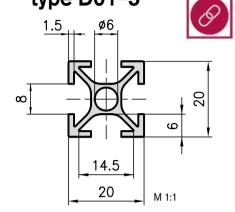
Technical	data

Ix,y	= 13.13 cm <sup>4</sup>
Wx,y	$= 8.75 \text{ cm}^3$
Cross-section area	$= 2.35 \text{ cm}^2$
Weight	= 0.64  kg/m
Alloy	EN AW-606

Order data	Order number
Tube extrusion ø30 Standard length 6000 mm	R03-98-6M
Tube extrusion ø30 Cut to length	R03-98-02-02/
Extra machining	Pages 43-47

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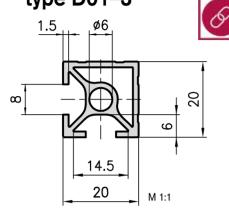
## 20x20 base extrusion type D01-5



## **Application**

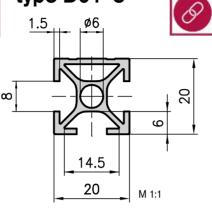
Due to their relatively low weight and strength this 20x20/40 range of extrusions can only be used for small loads, such as limit switches fixtures, smart work frames, small display cases, etc.

## 20x20 corner extrusion 20x20 face extrusion type D01-3

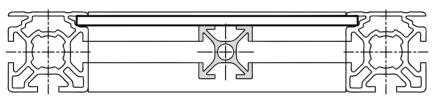


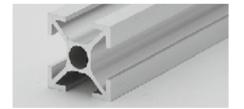
Helicoil inserts (DIN 8140) can be used for all extrusions with a core hole of Ø6 See machining code H3/H4.

## 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

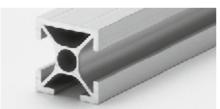
recriffical data	
Ix,y	$= 0.60 \text{ cm}^4$
Wx,y	$= 0.60 \text{ cm}^3$
Cross-section area	$= 1.40 \text{ cm}^2$
Weight	= 0.38  kg/m
Allov	EN AW-6060

Order data	Order number
20x20 base extrusion Standard length 5000 mm	D01-5-5M
20x20 base extrusion Cut to length	D01-5-02-02/
Extra machining	Pages 43-47



Ix, y	$= 0.65 \text{ cm}^4$
Wx, y	$= 0.65 \text{ cm}^3$
Cross-section area	$= 1.54 \text{ cm}^2$
Weight	= 0.42 kg/m
Alloy	EN AW-6063

Order data	Order number
20x20 corner extrusion Standard length 5000 mm	D01-3-5M
20x20 corner extrusion Cut to length	D01-3-02-02/
Extra machining	Pages 43-47

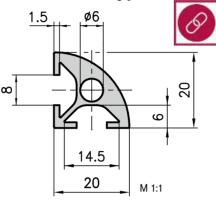


#### Technical data

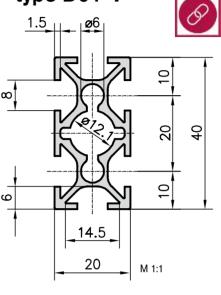
Ix	$= 0.68 \text{ cm}^4$
Iy	$= 0.59 \text{ cm}^4$
Wx	$= 0.68 \text{ cm}^3$
Wy	$= 0.59 \text{ cm}^3$
Cross-section area	$= 1.46 \text{ cm}^2$
Weight	= 0.39 kg/m
Alloy	EN AW-6063

Order data	Order number
20x20 face extrusion Standard length 5000 mm	D01-8-5M
20x20 face extrusion Cut to length	D01-8-02-02/
Extra machining	Pages 43-47

## 20x20 Softline extrusion type D03-8



## 20x40 base extrusion type D01-7



## 20x40 face extrusion

# type D02-8 1.5 \_14.5 20

### **Application**

For small picture frames as well as for decorative application.



## Technical data

Ix, y	$= 0.47 \text{ cm}^4$
Wx, y	$= 0.47 \text{ cm}^3$
Cross-section area	$= 1.29 \text{ cm}^2$
Weight	= 0.35  kg/m
Alloy	EN AW-6060

Order data	Order number
20x20 Softline extrusion Standard length 5000 mm	D03-8-5M
20x20 Softline extrusion Cut to length	D03-8-02-02/
Extra machining	Pages 43-47

 $= 3.91 \text{ cm}^4$  $= 1.10 \text{ cm}^4$ 

Pages 43-47

## A multi purpose extrusion, which is easily

**Application** 

Technical data

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.



Wx Wy	=	1.95 cm <sup>3</sup>
Cross-section area	=	2.69 cm <sup>2</sup>
Weight Alloy	= F	0.73 kg/i
Order data	Or	der num
20x40 base extrusion Standard length 5000 mm	D0	1-7-5M

Technical data

Extra machining

Ιx

Wy	= 1.10 cm <sup>3</sup>	
Cross-section area	$= 2.69 \text{ cm}^2$	
Weight	= 0.73  kg/m	
Alloy	EN AW-6060	
Order data	Order number	
20x40 base extrusion Standard length 5000 mm	D01-7-5M	
Glandard fortgan GGG films	D01-7-3W	

х	=	4.15 cm <sup>4</sup>	
у	=	1.26 cm <sup>4</sup>	
Vx	=	$2.07 \ cm^{3}$	
Vy	=	1.18 cm <sup>3</sup>	
Pross-section area	=	$2.79 \text{ cm}^2$	
Veight	=	0.75 kg/m	
	_		

Weight Alloy	= 0.75 kg/m EN AW-6060
Order data	Order numb
20x40 face extrusion Standard length 5000 mm	D02-8-5M
20x40 face extrusion Cut to length	D02-8-02-02/
Extra machining	Pages 43-47

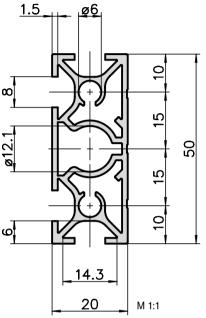
**KANYA** 112 KANYA 113

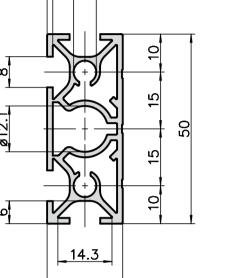
# Face extrusion 20x50 type D02-5





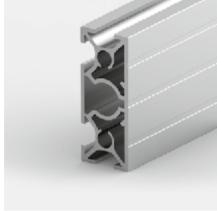
# Face extrusion 20x100 type D02-1





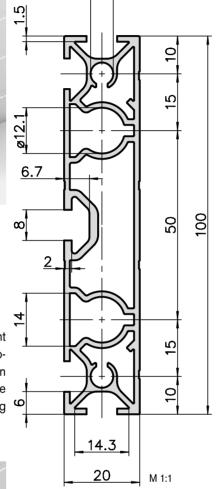
## **Application**

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 ø12.1 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 o boards along passages.



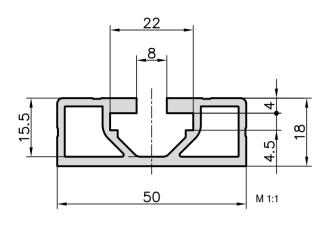
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Technical data	
Ix	= 55.5 cm <sup>4</sup>
Iy	= 3.01 cm <sup>4</sup>
Wx	= 11.1 cm <sup>3</sup>
Wy	= 3.01 cm <sup>3</sup>
Cross-section area	$= 5.7 \text{ mm}^2$
Weight	= 1.55 kg/m
Alloy	EN AW-6063
Order data	Order number
Face extrusion 20x100 Standard length 5000 mm	D02-1-5M
Face extrusion 20x100	
Cut to length	D02-1-02-02/
Extra machining	Pages 43-47

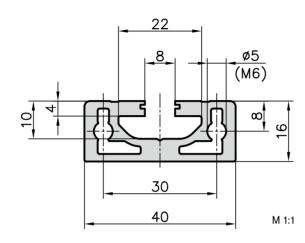


#### Technical data $= 7.71 \text{ cm}^4$ Ιy $= 1.58 \text{ cm}^4$ Wx $= 3.08 \text{ cm}^3$ Wy $= 1.58 \text{ cm}^3$ $= 3.25 \text{ cm}^2$ Weight = 0.88 kg/mEN AW-6063 Order data Order number Face extrusion 20x50mm Standard length 5000 mm D02-5-5M Face extrusion 20x50mm Cut to length D02-5-02-02/... Extra machining Pages 43-47

## Wall rail 18x50 type A19-9



## Slot extrusion 16x40 type C08-1



### **Application**

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



### 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 <sup>2</sup>
Weight	=	0.9 kg/m
Alloy		EN AW-6063

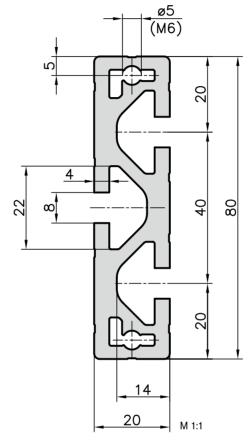
Order data	Order number
Wall rail 18x50 Standard length 5000 mm	A19-9-5M
Wall rail 18x50 Cut to length	A19-9-02-02/



Technical data		
Cross-section area	=	3.55 cm <sup>2</sup>
Weight	=	1.0 kg/m
Allov		EN AW-6063

Order data	Order number
Slot extrusion 16x40 Standard length 5000 mm	C08-1-5M
Slot extrusion 16x40	C08-1-02-02/

# 20x80 slot extrusion type C08-2

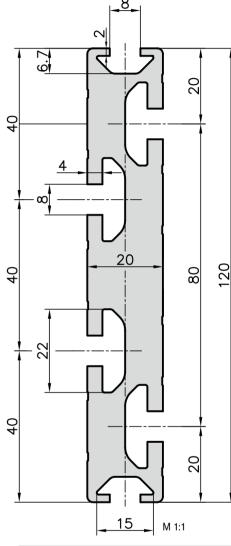




## **Application**

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

## 20x120 slot extrusion type C08-3



Ix	=	54.49 cm <sup>4</sup>
Iy	=	3.97 cm <sup>4</sup>
Wx	=	13.62 cm <sup>3</sup>
Wy	=	3.97 cm <sup>3</sup>
Cross-section area	=	8.90 cm <sup>2</sup>
Weight	=	2.4 kg/m
Alloy		EN AW-6063
Order data	Orde	er number
20x80 slot extrusion		
Standard length 5000 mm	C08-	2-5M
20x80 slot extrusion		

C08-2-02-02/...

Technical data

Cut to length



Technical data		
Ix	=	177.95 cm <sup>4</sup>
Iy	=	6.31 cm <sup>4</sup>
Wx	=	29.66 cm <sup>3</sup>
Wy	=	6.31 cm <sup>3</sup>
Cross-section area	=	16.40 cm <sup>2</sup>
Weight	=	4.42 kg/m
Alloy		EN AW-6063
Order data	Ord	ler number
20x120 slot extrusion Standard length 5000 mm	C08	-3-5M

C08-3-02-02/...

20x120 slot extrusion

Cut to length

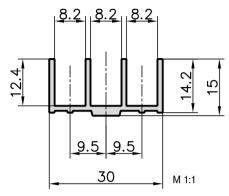
type A05-2

19" auxiliary extrusion

25

68.5

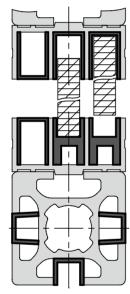
## 30x15 triple channel extrusion type B05-1

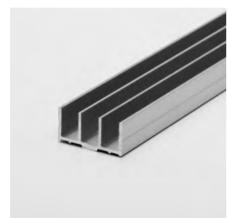


### **Application**

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 (page 186/187) can be used to improve the sliding properties, to reduce the size of the slots or as clip-on covers.

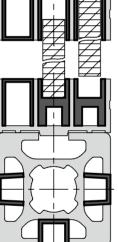






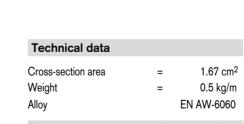
#### Technical data Cross-section area 1.18 cm<sup>2</sup> Weight 0.32 kg/m EN AW-6060 Alloy

Order data	Order number
30x15 triple channel extrusion Standard length 5000 mm	B05-1-5M
30x15 triple channel extrusion Cut to length	B05-1-02-02/



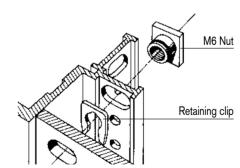
# 5 14.5 26.5 465.1 36.5

2



8.3

Order data	Order number
19" auxiliary extrusion Standard length 5000 mm	A05-2-5M
19" auxiliary extrusion	A05-2-02-02/



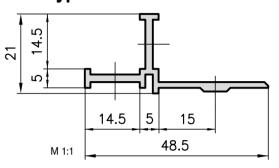
M 1:1

465.1

44.45

Order data	Order number
Retaining clip	H2-506
Special M6 nut	H2-504

## 19" auxiliary extrusion type B05-2



## **Application**

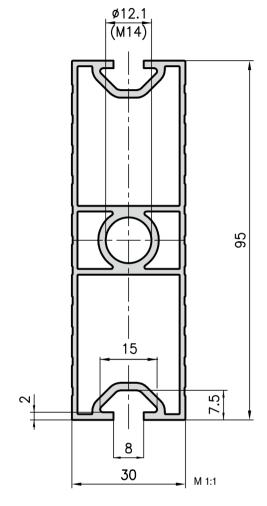
The screw-on extrusion allows 19" racking to be incorporated into electronic, pneumatic and hydraulic applications. This specially punched rail can be bolted onto any standard design extrusion with a base of 50 or 30 mm. It meets the requirements of IEC297. Equipment is easy to install using M6 nuts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



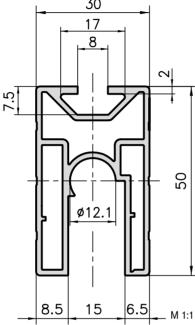
Cross-section area Weight Alloy	=	1.37 cm <sup>2</sup> 0.4 kg/m EN AW-6060
Order data	Ord	der number
19" auxiliary extrusion Standard length 5000 mm	B05	-2-5M
19" auxiliary extrusion Cut to length	B05	-2-02-02/

Technical data

## 30x95 box frame extrusion type B01-7

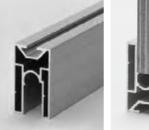


## 30x50 runner extrusion type B10-9



### Application

The basic material for the single and double wheeled runner (see page 170). However, it can also be used as a frame extrusion to hold thick panels in place.





Technical data		
Ix	=	55.99 cm <sup>4</sup>
Iy	=	7.94 cm <sup>4</sup>
Wx	=	11.79 cm <sup>3</sup>
Wy	=	5.29 cm <sup>3</sup>
Cross-section area	=	6.54 cm <sup>2</sup>
Weight	=	1.8 kg/m
Alloy		EN AW-6060

Order data	Order number
30x95 box frame extrusion Standard length 5850 mm	B01-7-5.85M
30x95 box frame extrusion Cut to length	B01-7-02-02/

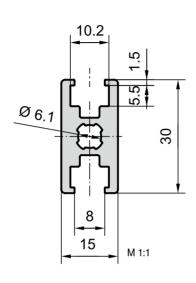


Extra machining Pages 43-47

Technical data		
•		0.45 4
Ιx	=	9.17 cm <sup>4</sup>
Iy	=	4.51 cm <sup>4</sup>
Wx	=	3.37 cm <sup>3</sup>
Wy	=	2.98 cm <sup>3</sup>
Cross-section area	=	3.94 cm <sup>2</sup>
Weight	=	1.1 kg/m
Alloy		EN AW-6063

Order data	Order number
30x50 runner extrusion Standard length 5000 mm	B10-9-5M
30x50 runner extrusion	R10.0.02.02/

## type B15-1



## **Application**

This very narrow and light profile can be connected with the fastening elements of base 20.

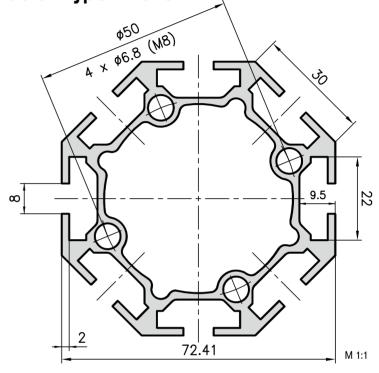
A standard M6 nut can be used as a slot nut or a 6Kt screw M6 as a T-bolt.



#### Technical data $1.4~\mathrm{cm^4}$ 0.71 cm<sup>4</sup> 0.933 cm<sup>3</sup> Wx 0.473 cm<sup>3</sup> 244.9 mm<sup>2</sup> Weight 0.66 kg/m Alloy EN AW-6063

Order data	Order number
Standard length 5000 mm	B15-1-5M
Cut to length	B15-1-02-02/

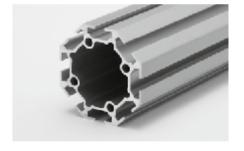
## 30x15 frame extrusion 30 mm base octagonal extrusion type B15-3



#### **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

Ix,y	=	51.01 cm
Wx,y	=	14.09 cm
Cross-section area	=	10.30 cm
Weight	=	2.8 kg/n
Alloy		EN AW-6063

Order data	Order number

30 mm base octagonal extrusion

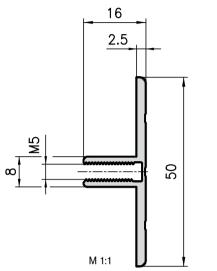
Standard length 5000 mm B15-3-5M

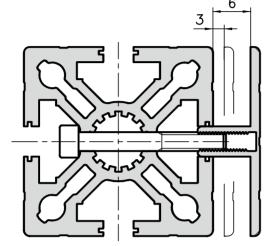
30 mm base octagonal extrusion

B15-3-02-02/... Cut to length

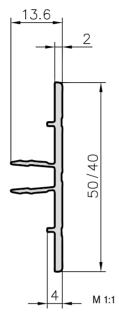
Extra machining Pages 43-47

## 16x50 double clamping extrusion type A05-7





## Panel clamp extrusions type A05-8/C05-8



#### **Application**

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

Two ingenious extrusions to clamp panels of all kinds. They can be added to any existing 8 mm slots on extrusions base 40, 45 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!

**Application** 

Technical data		
Cross-section area	=	1.70 cm <sup>2</sup>
Weight	=	0.46 kg/m
Alloy		EN AW-6063

16x50 double clamping extrusion Standard length 5000 mm

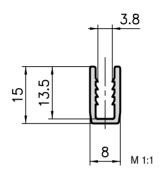
16x50 double clamping extrusion

A05-7-02-02/... Cut to length



Technical data	
Cross-section area Weight Alloy	= 1.26 cm <sup>2</sup> = 0.34 kg/m EN AW-6060
Order data	Order number
13.5x50 panel clamp extrusion Standard length 6000 mm	A05-8-6M
13.5x50 panel clamp extrusion Cut to length	A05-8-02-02/
13.6x40 panel clamp extrusion Standard length 6000 mm	C05-8-6M
13.6x40 panel clamp extrusion Cut to length	C05-8-02-02/

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

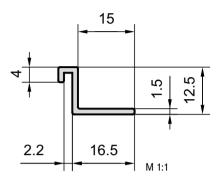


## **Application**

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



## **Suspension extrusion** base 30 type S91-013



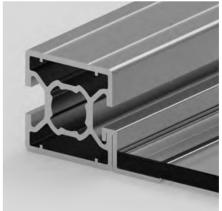
### Application

The suspension extrusion for aluminium extrusion of the base 30 is flush with the extrusion. It is used for supporting surface elements such as glass, etc. No fixing screws are required for this.



Technical data	
Cross-section area	= 0.53 cm <sup>2</sup>
Weight	= 0.14 kg/m
Alloy	EN AW-6060

Order data	Order number
8x13.5 U-clamping extrusion Standard length 5000 mm	B19-6-5M
8x13.5 U-clamping extrusion Cut to length	B19-6-02-02/

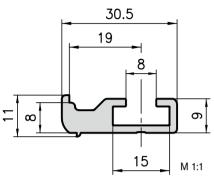


Technical data	
Cross-section area	= 0.5 cm <sup>2</sup>
Weight	= 0.14 kg/m
Alloy	EN AW-6063

Order data	Order number
Suspension extrusion Standard length 5000 mm	S91-013-5M
Suspension extrusion	S91-013-02-02/

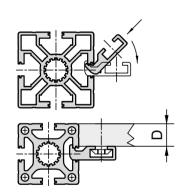
**KANYA** 122 **KANYA** 123

# 11x30.5 support extrusion type B19-7



#### **Application**

A special extrusion for clamping the wire mesh. The U-extrusion fits into all extrusions with a base of 50, 45, 40 and 30 mm.



### Measurement data

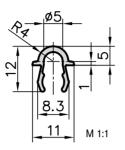
Extrusion size	D
Base 30	10
Base 40	15
Base 45	17.5
Dogg EO	00

#### Technical data

Cross-section area	$= 1.62 \text{ cm}^2$
Weight	= 0.44  kg/m
Alloy	EN AW-6060

Order data	Order number
11x30.5 stop extrusion Standard length 5000 mm	B19-7-5M
11x30.5 stop extrusion Cut to length	B19-7-02-02/

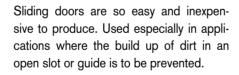
# Aluminium guide extrusion type B19-8



### Application

This aluminium guide can be easily clipped into all slots of Base 50/45/40/30. 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  $\varnothing$  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



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

Wheeled runner, see Page 170.

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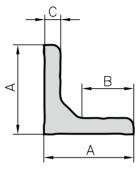
Order data	Order number
Aluminium guide extrusion	
Standard length 5000 mm	B19-8-5M
Cut to length	B19-8-02-02/

EN AW-6060

# Angle extrusion type A30-0/C30-0

# Angle extrusion type A30-2

## Angle extrusion type C30-3

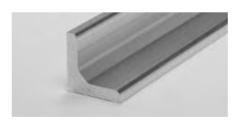


#### Measurement data

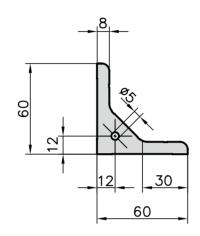
Туре	Α	В	C
A30-0	38	21	8
C30-0	31	17	6

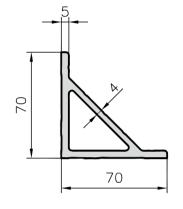


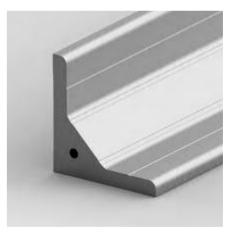
	A30-0	C30-0
Cross-section area =	$5.52 \text{ cm}^2$	$3.46 \text{ cm}^2$
Weight =	1.49 kg/m	0.94 kg/m
Alloy	El	N AW-6060



Order data	Order number
Angle extrusion raw 38x38 Standard length 3000 mm	A30-0-3M
Angle extrusion raw 38x38 Cut to length	A30-0-02-02/
Angle extrusion raw 31x31 Standard length 3000 mm	C30-0-3M
Angle extrusion raw 31x31 Cut to length	C30-0-02-02/









$= 10.15 \text{ cm}^2$
= 2.75  kg/m
EN AW-6060

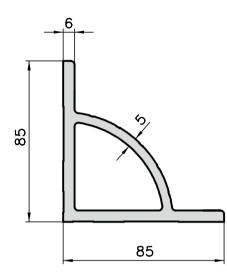
Order data	Order number
Angle extrusion raw 60x60 Standard length 3000 mm	A30-2-3M
Angle extrusion raw 60x60 Cut to length	A30-2-02-02/

Technical data	
Cross-section area	$= 9.23 \text{ cm}^2$
Weight	= 2.49 kg/m
Alloy	EN AW-6060
Order data	Order number
Angle extrusion raw 70x70 Standard length 3000 mm	C30-3-3M
Angle extrusion raw 70x70	

C30-3-02-02/...

Cut to length

## **Angle extrusion** type E30-3



## **Application**

Technical data

Cross-section area

Weight

Order data

Cut to length

Angle extrusion raw 85x85 Standard length 3000 mm

Angle extrusion raw 85x85

Alloy

This angle extrusion is the starting material for mounting brackets for the base 45 products. The support arch with the Kanya shadow slots appears very elegant.

13.44 cm<sup>2</sup>

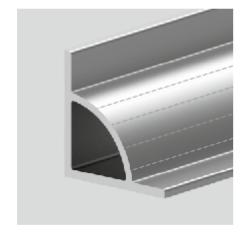
3.70 kg/m

EN AW-6060

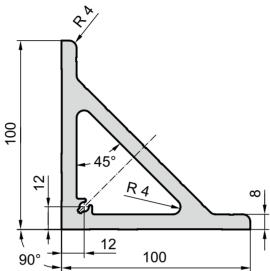
Order number

E30-3-02-02/...

E30-3-3M

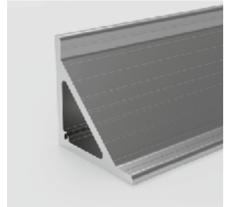


## **Angle extrusion** type A30-4



### Application

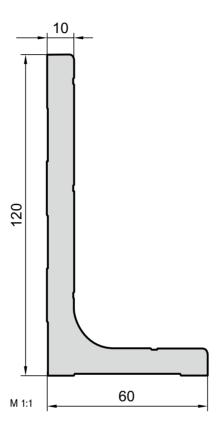
These very strong angle extrusions are the source material for the mounting brackets. They're also used to reinforce heavily loaded constructions.



Technical data	
Cross-section area	$= 23.63 \text{ cm}^2$
Weight	= 6.38  kg/m
Allov	FN AW-6060

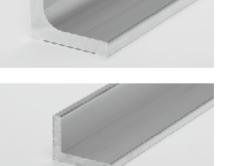
Order data	Order number
Angle extrusion raw 100x100 Standard length 3000 mm	A30-4-3M
Angle extrusion raw 100x100 Cut to length	A30-4-02-02/

## Angle extrusion type A47-0

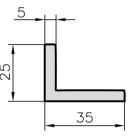


#### **Application**

Source material for floor bolting brackets or for reinforcements.



## **Angle extrusion** type A30-5



### Application

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



 $= 17.15 \text{ cm}^2$ Cross-section area Weight = 4.63 kg/mEN AW-6060 Alloy

Order data	Order numb
Angle extrusion raw 60x120 Standard length 3600 mm	A47-0-3.6M
Angle extrusion raw 60x120	A47-0-02-02/



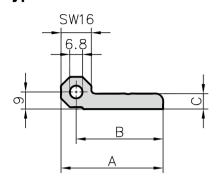
Technical	data

 $= 2.74 \text{ cm}^2$ Cross-section area Weight = 0.74 kg/mEN AW-6060 Alloy

Order data	Order number
Angle extrusion raw 25x35 Standard length 5000 mm	A30-5-5M
Angle extrusion raw 25x35	
Cut to length	A30-5-02-02/



## Hinge extrusion type A60-6/C60-6



#### Measurement data

Туре	Α	В	С
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

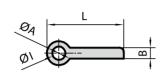


### Technical data

		A60-6	C60-6
Weight	=	1.33 kg/m	1.11 kg/m
Alloy			EN AW-6060

,	
Order data	Order number
17x54 hinge extrusion Standard length 3000 mm	A60-6-3M
17x54 hinge extrusion Cut to length	A60-6-02-02/
17x44 hinge extrusion Standard length 3000 mm	C60-6-3M
17x44 hinge extrusion Cut to length	C60-6-02-02/

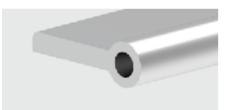
## Hinge extrusion type A60-1, A60-2, B60-1, B60-2



Measurement data					
Туре	L	В	ØA	ØI	kg/m
A60-1	57.5	8	18	10	1.33
B60-1	47.5	8	18	10	1.11
Alloy				EN A	W-6063
A60-2	47.0	4	10	6	0.54
B60-2	37.0	4	10	6	0.43
Alloy				EN A	W-6060

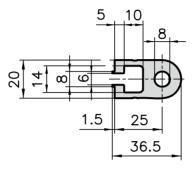
## **Specification**

Aluminium raw



Order data	Order number
Hinge extrusion Standard length 3000 mm	A60-1-3M
Hinge extrusion Cut to length	A60-1-02-02/
Hinge extrusion Standard length 3000 mm	B60-1-3M
Hinge extrusion Cut to length	B60-1-02-02/
Hinge extrusion Standard length 3000 mm	A60-2-3M
Hinge extrusion Cut to length	A60-2-02-02/
Hinge extrusion Standard length 3000 mm	B60-2-3M
Hinge extrusion Cut to length	B60-2-02-02/

## Hinge extrusion type A60-5



### Application

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

### **Specification**

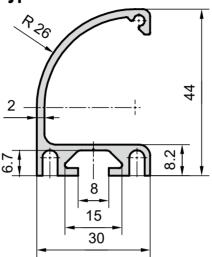
Aluminium anodised



Technical data		
Weight Alloy	=	1.19 kg/m EN AW-6063

Order data	Order number
20x36.5 hinge extrusion Standard length 5000 mm	A60-5-5M
20x36.5 hinge extrusion Cut to length	A60-5-02-02/

## Handle strip extrusion Clamping blocks type B65-6



### **Application**

Technical data

Cross-section area

Order data

Cut to length

Handle strip extrusion 30x44 Standard length 5000 mm

Handle strip extrusion 30x44

Weight

The handle strip can be used as a drawer handle or also as a handle for doors and windows.

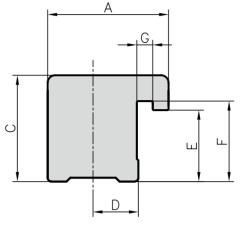
2.37 cm<sup>2</sup>

0.64 kg/m EN AW-6063

Order number

B65-6-5M

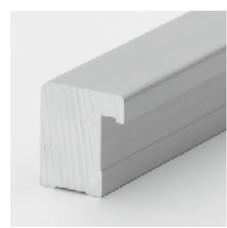
B65-6-02-02/...



### **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.

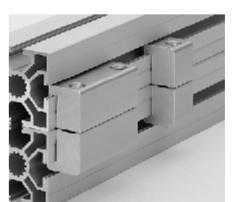
Clamping blocks machined, see page 152



Alloy
Measurement data

Measurement data							
Туре	Α	С	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

EN AW-6060

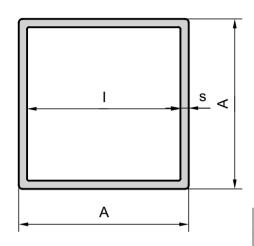


Order data	Order number
Clamping blocks raw	
Extrusion base 50	
Standard length 3000 mm	A34-0-3M
Cut to length	A34-0-02-02/
Extrusion base 40	
Standard length 3000 mm	C34-0-3M
Cut to length	C34-0-02-02/
Extrusion base 30	
Standard length 3000 mm	B34-0-3M
Cut to length	B34-0-02-02/

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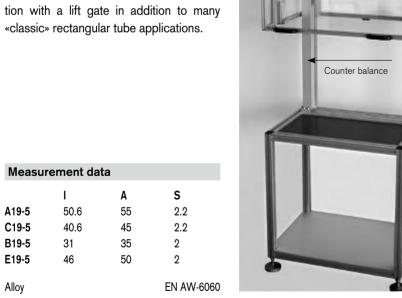


## Rectangular tube



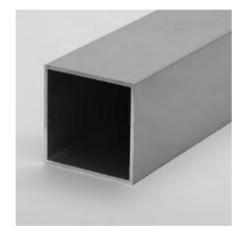
## **Application**

With the rectangular tube and with the combination of the extrusions base 50, 45, 40 und 30 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.



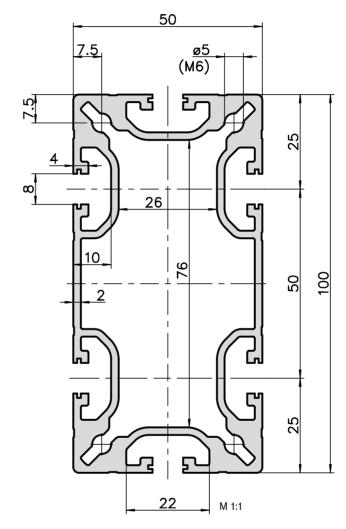
Technical data				
	A19-5	E19-5	C19-5	B19-5
Ix,y	21.58 cm <sup>4</sup>	14.75 cm <sup>4</sup>	11.4 cm <sup>4</sup>	4.80 cm <sup>4</sup>
Wx,y	7.85 cm <sup>3</sup>	5.9 cm <sup>3</sup>	5.06 cm <sup>3</sup>	2.74 cm <sup>3</sup>
Cross-section area	4.64 cm <sup>2</sup>	3.85 cm <sup>2</sup>	3.75 cm <sup>2</sup>	2.64 cm <sup>2</sup>
Weight	1.25 kg/m	1.05 kg	1.02 kg	0.71 kg





Order data	Order number
Rectangular tube 55x55 Standard length 6000mm	A19-5-6M
Rectangular tube 55x55 Cut to length	A19-5-02-02/
Rectangular tube 50x50 Standard length 5000 mm	E19-5-5M
Rectangular tube 50x50 Cut to length	E19-5-02-02/
Rectangular tube 45x45 Standard length 5000 mm	C19-5-5M
Rectangular tube 45x45 Cut to length	C19-5-02-02/
Rectangular tube 35x35 Standard length 5000 mm	B19-5-5M
Rectangular tube 35x35 Cut to length	B19-5-02-02/

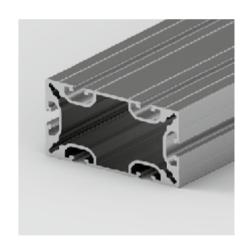
# Counterweight extrusion 50x100 type A19-2



### 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 PVS® Direct (page 145).



Ix = 41.82 cm <sup>4</sup> Iy = 16.43 cm <sup>4</sup> Wx = 8.36 cm <sup>3</sup> Wy = 6.57 cm <sup>3</sup> Cross-section area = 12.33 cm <sup>2</sup> Weight = 3.33 kg/m Alloy EN AW-6063	Technical data	
$\begin{array}{llllllllllllllllllllllllllllllllllll$	Ix	= 41.82 cm <sup>4</sup>
Wy = 6.57 cm <sup>3</sup> Cross-section area = 12.33 cm <sup>2</sup> Weight = 3.33 kg/m	Iy	$= 16.43 \text{ cm}^4$
Cross-section area       =       12.33 cm²         Weight       =       3.33 kg/m	Wx	$= 8.36 \text{ cm}^3$
Weight = 3.33 kg/m	Wy	$= 6.57 \text{ cm}^3$
0	Cross-section area	$= 12.33 \text{ cm}^2$
Alloy EN AW-6063	Weight	= 3.33 kg/m
	Alloy	EN AW-6063

Order data	Order number			
Counterweight extrusion 50x100				
Standard length 6000mm	A19-2-6M			
Cut to length	A19-2-02-02/			



## Kanya connection technology

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

#### Quick, secure connections:

Kanya PVS<sup>®</sup> makes it possible to erect any structure in a very short time. The system centers around Kanya's own invention, the internationally patented PVS<sup>®</sup> 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.



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



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



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

133

**Connection technology** 





## 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  $0^{\circ}-90^{\circ}$  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



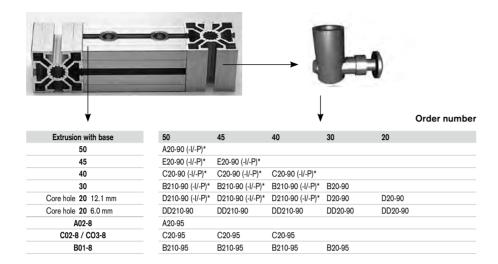
#### 8. Threaded connections



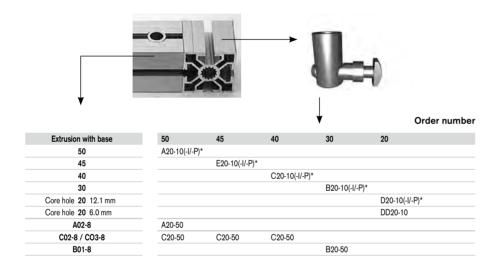
The threaded anchor (M6 / M8) enables the extrusion to be attached to other structures. And the erection of a machine safety guard on an existing work top without any additional fixings.



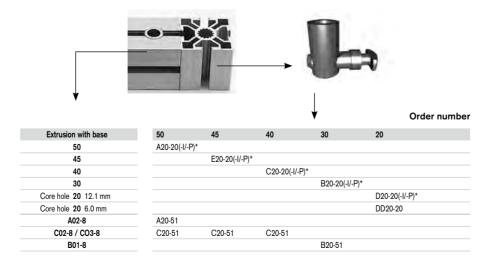
### 1. Universal connector



## 2a. Standard connector Drill across to nut



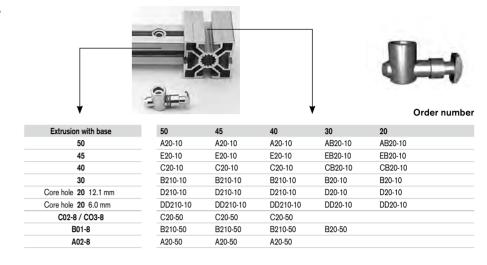
## 2b. Standard connector Drill parallel to nut



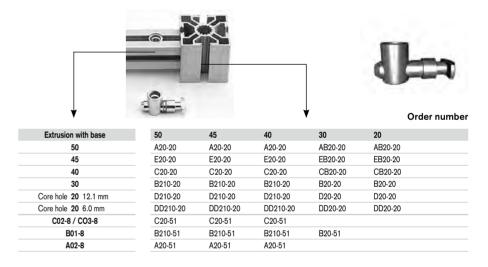
\*....-P = connectors with electrical bonding

\*....-l = connectors stainless steel 1.4305

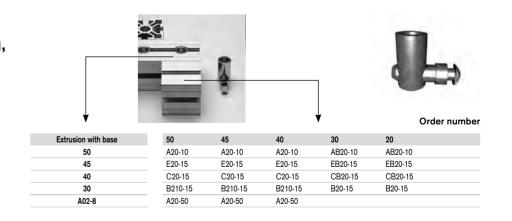
## 3a. Combination connector Drill across to nut



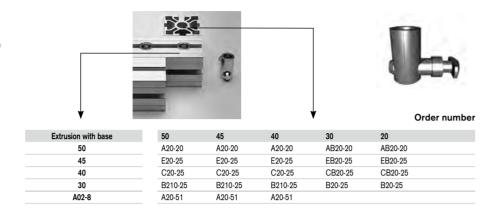
3b. Combination connector Drill parallel to nut



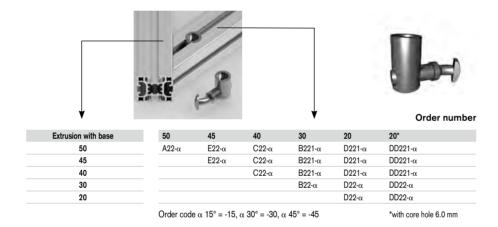
4a. Special connector, from the side outgoing, vertical



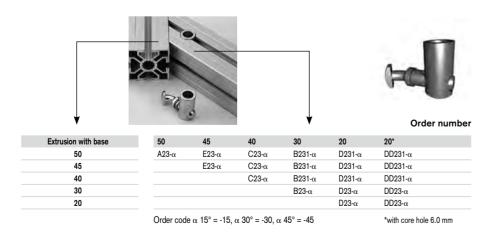
4b. Special connector, from the side outgoing, horizontal



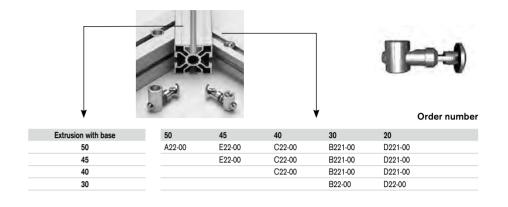
5a. Mitred connector with formed anchor right



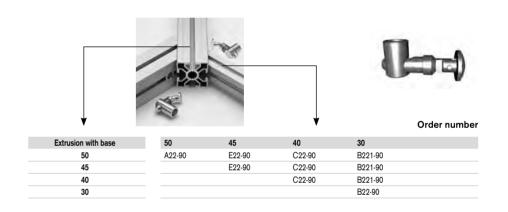
5b. Mitred connector with formed anchor left



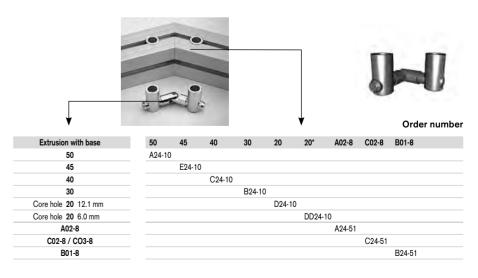
5c. Mitre connector with articulated anchor (up to max 55°)



5d. Mitre connector with articulated anchor 90° (up to max 55°)

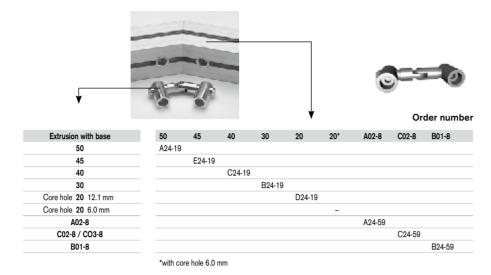


6a. Double mitre connector with articulated ancor 90° (up to max 55°)

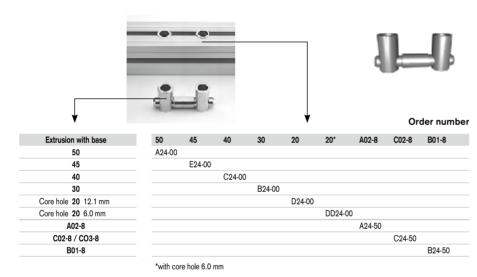


\*with core hole 6.0 mm

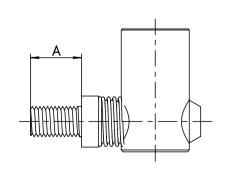
# 6b. Double mitre connectors sideways

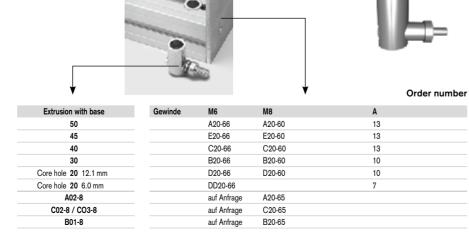


## 7. Extrusion extension connectors

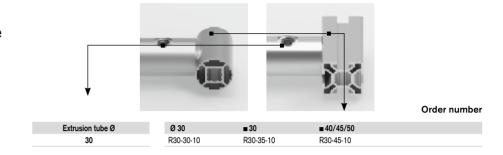


## 8. Threaded connectors

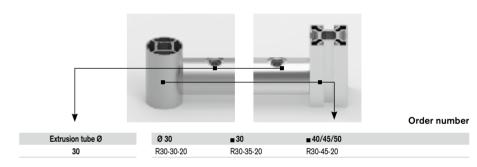




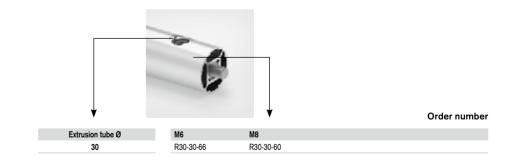
## 9a. Tube connector transverse to extrusion axle



## 9b. Tube connector parallel to extrusion axle

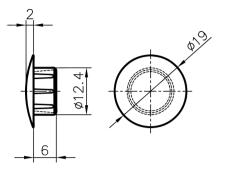


### 10. Tube tread connector



Other connector versions on request.

## **Covering cap for PVS-connector**





## 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.

# 6.5

## **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





Order data	Order n	umber
Plastic cap	grey	black
Base 50/45/40	A40-99	A40-98
Base 30	B40-99	B40-98

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

## Strength specifications

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: for the universaland standard connectors:

Extrusion base 50/45/40: 30–35Nm
Extrusion base 30/20: 20–25Nm
Extrusion base 20 (Ø6): max. 6Nm
(other connectors on request)

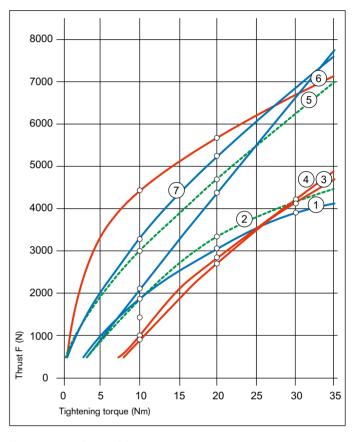
#### Remark:

The tightening torques should not exceed above mentioned recommended specifications:

⇒ The anchor head may be damaged or broken.

Those in the chart stated tractive forces are approximate value. Conditions: Preload of connectors with max. tightening torques!

## **Thrust forces**



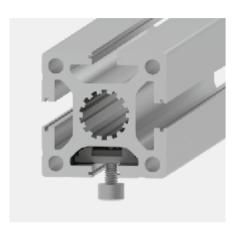
No.	extrusion	joints	
1	50x50	1	
2	40x40	1	 Fs
3	30x30	1	 1 3
4	30x50	1	
5	40x80	2	 <b></b>
6	30x100	2	
7	50x100	2	

## **Tractive forces (strong slot version)**

Tractive force extrusion	Fz Universal connectors	Fz Standard connectors
Base 50	14'000N	10'000N
Base 45	14'000N	10'000N
Base 40	14'000N	10'000N
Base 30	4'000N	3'500N
Base 20	2'000N	1'800N



# Tightening torques and tensile forces for threaded plates and sliding blocks



## Tightening torques for threaded plates

	M5	M6	M8
Base 40/45/50	6Nm	10Nm	15Nm
Base 20/30	4Nm	6Nm	6Nm

## Pull-out force threaded plates

Base 50 / 45 / 40	10'000N
Base 30	3'500N
Base 20	1'800N

#### Pull-out force nuts\*

Base 50 / 45 / 40	8'000N
Base 30	3'000N
Base 20	1'500N

\*Swivel in nut

The tear-out force depends basically on the nut geometry, as the weakest point is the aluminium nut. Pay attention to the nut thickness.

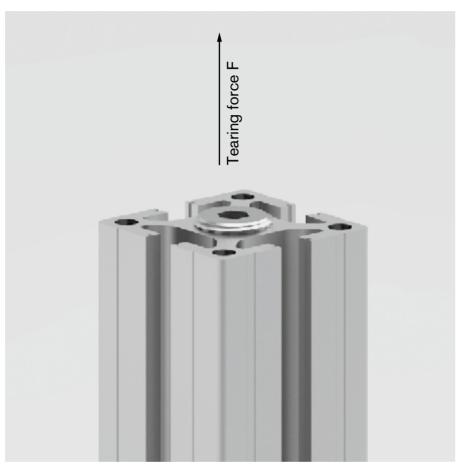
## strong version







# Frontal pull-out forces from the central thread length 25mm



## Centre hole Extrusion base 40/45/50



F in N 65'000



42'000

## Centre hole Extrusion base 30



F in N 48'000

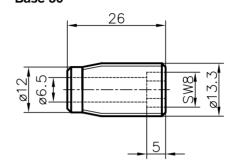


22'000

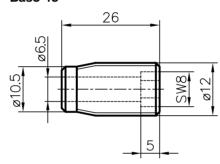
The tightening torques for the self-cutting thread inserts are 8Nm for all extrusion sizes.

## **PVS®** direct connectors

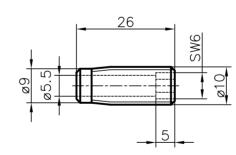
## Base 50



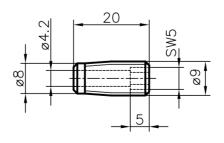
#### Base 45



#### Base 40



#### Base 30



Connectors of different profile sizes on request

## **Application**

The extrusion does not need to be machined for this connection. This selfcutting threaded sleeve has a shank for an Allen key which is simply 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. 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.

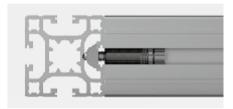
#### Note

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



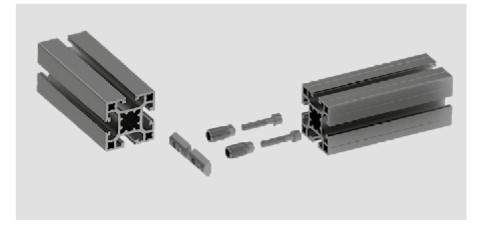


Selfcutting threaded sleeve



Built-in connector

Due to the direct transmission of force, the PVS®-direct connector is slightly higher in strength on thrust than our main connector. However, under moment loads, the groove can bend open. The base 30 is not optimally suited in terms of groove depth, as the thread insert protrudes slightly from the groove.



## Parts supplied

2 screws

2 threaded sleeves

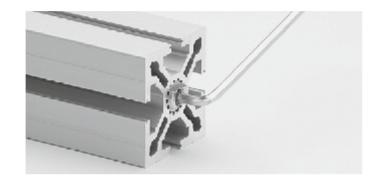
1 double extrusion nuts (Base 30: 2 swivel in nuts)

Order data	Order number
Base 50	A33-90
Base 45	E33-90
Base 40	C33-90
Base 30	B33-90

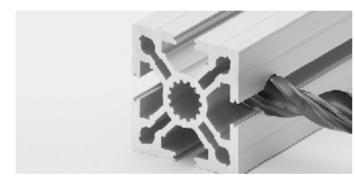
## The Kanya connection technology

## PVS®-SUPERLIGHT

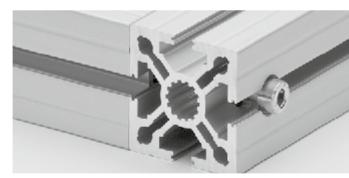
1. Insert the self-cutting threaded insert into the extrusion centre hole.



2. Drill a stepped hole into the extrusion.

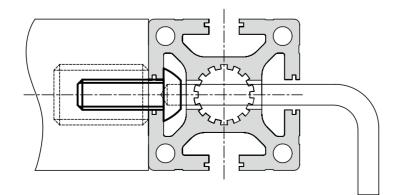


Tighten the socket-head cap screw – finished!

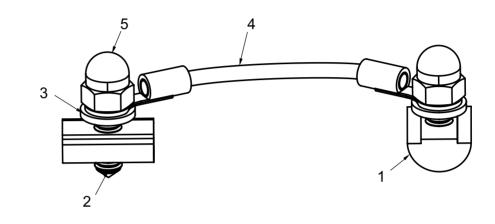


## Note:

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



# Cable bridge for electrical conductivity





## Application

If extrusions have to be electrically connected with other components, e.g. ESD, these connections can be realized with simple components.

We recommend the connectors with potential equalization (-P) for Kanya extrusions.

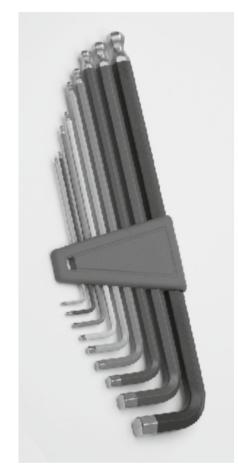
## Parts supplied

- 1 Swiveled extrusion nut (2)
- 2 grub screws with point (2x)
- 3 washers (2x)
- 4 cables with cable lug (1mm²) approx. 100mm (1x)
- 5 swiveling cap nuts (2x)

Order data	Order numb
Cable bridge	
Base 30	B36-00
Base 40	C36-00
Base 45/50	AE36-00



## 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.

## Kanya Allen key SW 6



Specification
Zinc-coated steel

# Allen key for PVS® screw Safe



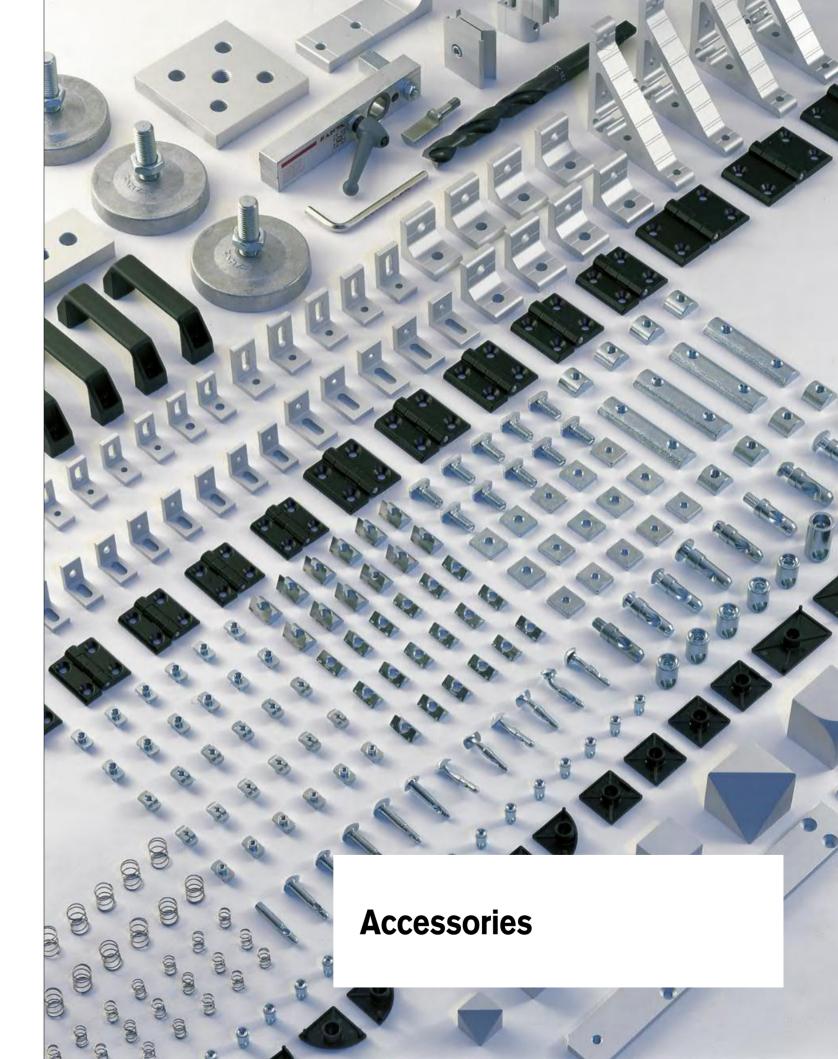


Application
Special Allen key for the PVS® connectors with PVS® screw Safe M12x12.

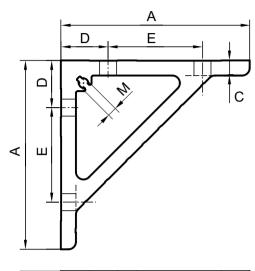
Order data	Order number
Allen key set SW 1.5 – 10	E97-5
SW - wrench size	

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

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



## **Mounting brackets**

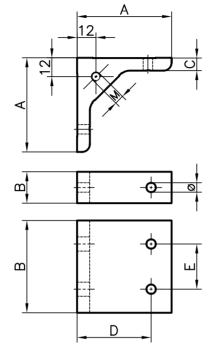


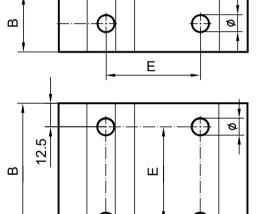
## **Application**

Mounting brackets are simple joining parts which can also be used in combination with PVS®. They are used primarily for reinforcement.

## Specification

Aluminium, matt, anodised in natural colours











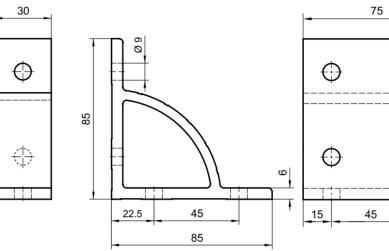
Me	asur	eme	Orde	er nu	ımber		
Α	В	С	D	Ε	Ø	М*	
100	30	8	25	50	9	-	A30-41
100	75	8	25	50	9	-	A30-42
100	30	8	35	55	9	-	A30-43
100	30	8	35	55	9	M6	A30-44
100	20	8	35	55	6.5	-	B30-43
100	20	8	35	55	6.5	M6	B30-44
70	25	5	20	40	6.5	-	C30-30
70	65	5	20	40	6.5	-	C30-32

\*insert



Me	easu	ren	nent da	Or	der ı	number			
Α	В	С	D	Ε	Ø	М*			
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	70	8	22.5	45	9	-	E30-02		
38	30	8	22.5-25	-	9	-	AE30-00		
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		
*Thr	*Thread								

## **Mounting brackets**



# $\bigoplus$ $\bigcirc$ 15

## **Brackets**



## **Application**

Due to its size, the small bracket can be mounted lengthwise, but also crosswise to the extrusion. The matching cover cap conceals the screws and also meets design requirements.

## **Specification**

Die-cast zinc, grey powder-coated RAL 7035

## Scope of delivery

1 zinc die-cast angle 1 black plastic cover cap

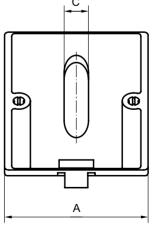


The bracket is aligned in the centre distances for base 45. The elegant support arch permits good access for tightening the bolts.

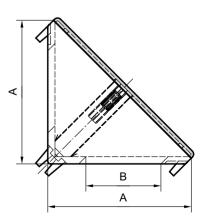
## **Specification**

Aluminium, matt, anodises in natural colours

Order data	Order number
Mounting bracket 85x85x30	E30-30
Mounting bracket 85x85x75	F30-32

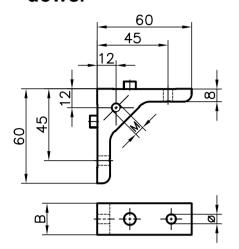


Base	Α	В	С
50	50	25	8.5
40	40	20	7



Order data	Order number
Bracket, Base 50	A25-10
Bracket, Base 40	C25-10

## Mounting bracket and Clamping block 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.

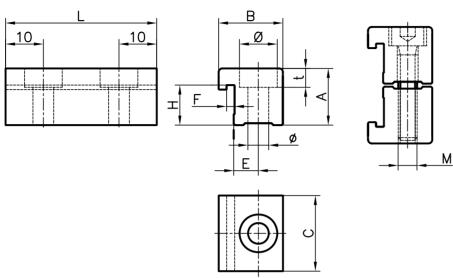
## Specification

Aluminium, matt, anodised in natural colours



Meas	suremen	t data	Order number
В	Ø	М	
30	9	_	A30-13
20	6.5	-	B30-13
30	9	M6	A30-23
20	6.5	M6	B30-23

# 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

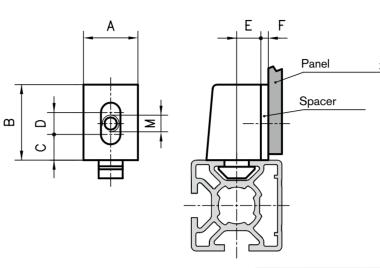
1/2 clamping block(s), screws threaded plates



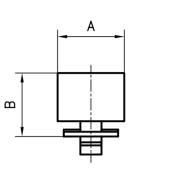
Measure	ment c	lata										
	Α	В	С	E	F	Н	L	Ø	t	Ø		
Basis 30	15	17	20	6.5	2.1	10.6	50	10	5	5.5	M5	
Basis 40	22	25	25	10	4	15.6	60	11	6.8	7.0	M6	
Basis 50	27	25	25	10	4	20.6	70	11	6.8	7.0	M6	

Order data	Order nun	nber	
Extrusion base	50	40	30
Single clamping blocks			
Cross connection	A34-01	C34-01	B34-01
Parallel connection	A34-11	C34-11	B34-11
Double clamping blocks			
Cross connection	A34-02	C34-02	B34-02
Parallel connection	A34-22	C34-22	B34-22

## Uniblock



## **Clamping block**



## **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.



square nut, zinc-coated steel

12 16 5.5 4.5 5



## 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** PA6-GF30, black\* uv-resistant, grey

C30-90.



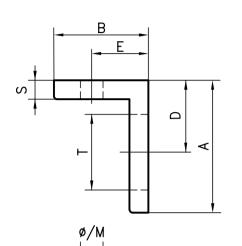
Or	der	data			Order	number	Orc	ler data	Order number
Α	В	С	D	Ε	М				
Unil	block	extru	sion	base 50	)/45		Spac	ers for extrusion base 5	50/45/40/30
19	25	7.5	9.5	16	M4	A30-94	F =	2 mm (without holes)	A302-97
					M5	A30-95		3 mm	A303-97
					M6	A30-96		5 mm	A305-97
Unil	block	extru	sion	base 45	5/50		Spac	ers for extrusion base 2	20
19	25	7.5	9.5	11	M4	C30-94	F =	1 mm (without holes)	D301-97
					M5	C30-95		2 mm	D302-97
					M6	C30-96		3 mm	D303-97
Unil	block	extru	sion	base 30	)			4 mm	D304-97
19	25	7.5	9	6	M4	B30-94			
					M5	B30-95			
					M6	B30-96			

D30-94

Or	der d	data		0	rder number				
Α	В	Е	G	Smax.					
Clan	Clamping block extrusion base 50 / 45								
22	21	13.5	5	10	A30-90*				
Clan	Clamping block extrusion base 40								
22	21	8.5	5	10	C30-90*				
22	21	7	5	10	C30-91				
Clan	nping	block 6	extrus	ion base 3	80				
22	21	7	5	10	B30-91				
Spa	cer ex	trusion	base	50/45/4	0/30				
F=	2 mr	n			A302-98				
	3 mr	n			A303-98				
	5 mm A305-98								
*Spa	*Spacer only suitable for the articles A30-90 and								

**KANYA** 152 **KANYA** 153

## **Attachment bracket**



Further dimensions on request



## **Application**

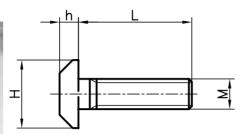
The fixing angle is used to mount additional equipment, panelling, work tops, valves, electrical switchgear, etc. The advantage of these is that they

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

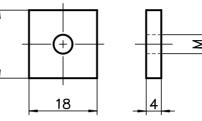


Ord	der da	ta							Order nu	mber
									Through-	Thread
Α	В	С	D	Ε	S	Txt	Ø	Thread	hole Ø	M
45	45	20	25	25	5	20x6.5	6.2	M6	A30-76	A30-86
35	25	20	19	15	5	20x6.5	4.2	M4	A30-54	A30-64
35	25	20	19	15	5	20x6.5	5.2	M5	A30-55	A30-65
35	25	20	19	15	5	20x6.5	6.2	M6	A30-56	A30-66
25	25	15	14	15	4	13.5x6	3.2	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 d	lata	Order number	
MxL	Н	h	
Extrusion	base 50	/45/40	1
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 50	/45/40	1
M6x18	18	5	C35-18
M6x25	18	5	C35-25
M6x30	18	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

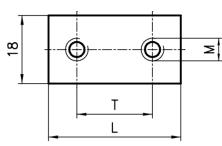
## **Threaded plates**

#### Extrusion base of 50/45/40



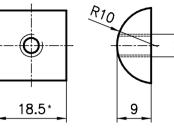
## **Double threaded** plates

## Extrusions base of 50/45/40



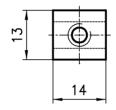
# plates Base 50

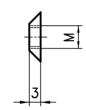
## Extrusions base of 50



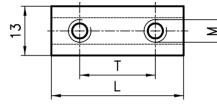
Halfround threaded

## Extrusions base of 30 and 20





## 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

Base 50/45/40 supporting cage: PP Base 30 spring steel retaining spring

-	L		-	
Measuremen	t data	<b>a</b>		
Extrusion base	L	Т	M	
50/45/40	45	30	M6	

Threaded plates: Zinc-coated/stainless steel

18 M5 30/20 28 18 M5

## **Application**

The M6 double extrusion nuts are used for attaching hinges, M5 is used for arrester plate.

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	Orde	r number
Thread M	Extrusions ba	se
	50/45/40	30/20
M3	-	B32-30 (-I)
M4	AC32-40 (-I)	B32-40 (-I)
M5	AC32-50 (-I)	B32-50 (-I)
M6	AC32-60 (-I)	B32-60 (-I)
M8	AC32-80 (-I)	B32-80 (-I)
(-I=Inox) * No full to	orque possible.	



Order data	Order n	umber
Double extrusion nuts	Extrusions b	ase
Thread M	50/45/40	30/20
M5	A32-58	B32-58
M6	A32-68	B32-68



Order data	Order number
Halfround threaded plates	Extrusions base 50
Thread M	
M6	A32-61
M8 *	A32-81
M10	A32-91
+ 05	

\* 25 mm

50

40

33

28.7 M6

18 M4

60

48

38

40

40 30

12.2 80

13.6 5.9

14 7.8

11 4.1

Double extrusion nuts should be used wi-

th PVS® threaded connectors where ex-

tremely high strength joints are required.

Swivel in double extrusion nuts are used

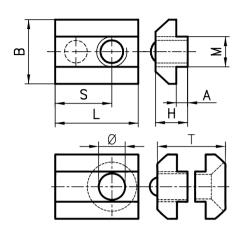
for the assembly of hinges (page 195) and

quick-release fasteners (page 204).

11 4.1 30



## **Extrusion nuts Clamping nuts**



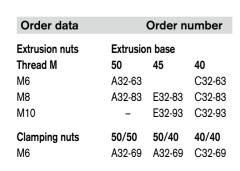
Measurement data							
Extrusion base	В	Н	L	S	Α	Т	Ø
50	18	12.2	25	15	2.8	-	-
45	20	9	20	14	1	-	-
40	17	8	22	15	2.8	-	-
50/50	18	12.2	25	15	2.8	23	6.5
50/40	18	12.2	25	15	2.8	23	6.5
40/40	17	8	25	15	2.8	19	6.5

#### **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







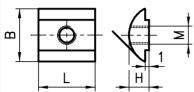




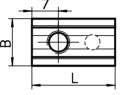
<sup>\*</sup> no full torque possible (I=Inox)

## Swivel in nut

## Extrusion base 50/45/30



## Extrusion base 40





## Measurement data

Extrusion base	В	Н	L
50/45	14	7.8	20
40	12.5	5.9	22
30	11	4.1	20

#### Application

Order data

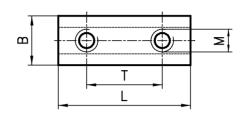
The advantage of the swivel in nut is that they can also be inserted diagonally into the extrusion slots. The disadvantage is that the tightening torques >12 Nm may result in dents in the aluminium extrusion. Raw steel bars are available if you wish to machine special nuts.

If these nuts are tightened to a torque > 10Nm, they meet the ESD guidelines for use with lightweight extrusions.

Order number

Swivel in nut		Extrusion base		
Thread M	50/45	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 (ra	aw)			
Swivel in nut				
1.5 m	A32-52	C32-52	B32-52	
Heavy nuts				
1.5 m	A32-12	C32-12		

## Double extrusion nuts Hammer nuts



Measurement data Double extrusion nuts Extrusion base

Swivel in double extrusion nuts

50 (ball)

40 (ball)

50/45

40 (ball)

50/45

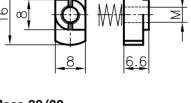
30

30

40 (ball)

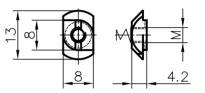
Extrusion base

**Application** 



#### Base 30/20

Base 50/45/40



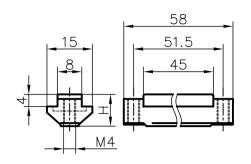
#### **Application**

The hammer nut can be subsequently inserted into slot. 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

## Magnet nuts



## **Application**

The magnetnuts can be inserted into the extrusions of the base 50 and 40 on the open cross section. They can be fixed on position with 2 small screws. With the magnet-nuts you can do a flat door fixing, fixing of metal housing or use it for holding

#### **Specification**

Surround: plastic zinc-plated Screws: Magnet: zinc-plated Operating temperature: up to 80 ° C

Order data		Order number		
Double extrusion	n nuts	Extrusio	n base	
Thread M	50	40	30	
M8	A32-84	C32-84	-	
Swivel in double	extrusion nuts			
M6	A32-67*	C32-67	B32-67	
M6	A32-36*	C32-36	_	
M4	-	_	B32-47	

\* for base 50+45



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



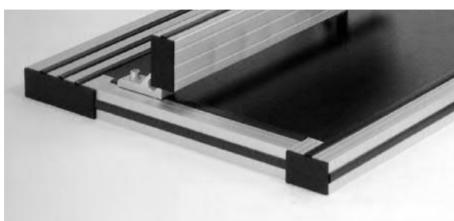
Order data	Order number
Magnet nuts Extrusion base 50 Extrusion base 40	A32-86 C32-86

## **End caps**



## **Application**

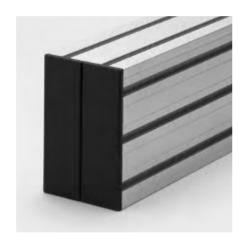
End caps are used as covers for the exposed ends of extrusions. They prevent injury from the sharp edges of the extrusions. Special centring elements make them easy to fix and prevent the caps from twisting. Two end caps can be used together to cap off larger extrusions, eg extrusion 80x120 uses two 40x120 end caps.



## **Specification** PA-GF, black / -G grey

Order data

Extrusion Cap height
Base of 50/45/40 4 mm
Base of 30/20 3 mm

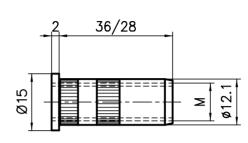


End caps	50x50	A40-10 (-G)
End caps	50x50	A40-19 (Profil A19-1)
End caps	50x45°	A40-80
End caps	50x100	A40-20 (-G)
End caps	50x150	A40-30
End caps	55x55	A40-55 (Profil A19-5)
End caps	100x100	A40-50 (-G)
End caps	45x45	E40-10
End caps	45x90	E40-30
End caps	90x90	E40-50
End caps	45x45	E40-83 (Profil E03-1)
End caps	40x40	C40-10 (-G)
End caps	40x40	C40-83 (Profil C03-8)
End caps	40x45°	C40-80 (Profil C02-8)
End caps	40x45°	C40-84 (Profil C04-4)
End caps	40x80	C40-30 (-G)
End caps	40x120	C40-90
End caps	40x120-G	C40-12 (Profil C08-4)
End caps	80x80	C40-40 (-G)
End caps	16x40	C40-81 (Profil C08-1)
End caps	20x80	C40-82 (Profil C08-2)
End caps	45x45	C40-45 (Profil C19-5)

Order number

Order data		Order number
End caps	30x30	B40-30 (-G)
End caps	30x30	B40-80 (Profil B01-8)
End caps	30x30°	B40-33
End caps	30x45°	B40-45
End caps	30x60°	B40-66
End caps	30x50	B40-90 (-G)
End caps	30x60	B40-60 (-G)
End caps	30x95	B40-50
End caps	30x100	B40-20
End caps	30 8-Kt.	B40-15
End caps	60x60	B40-65
End caps	20x20	D40-30 (-G)
End caps	20x20	D40-80 (Profil D03-8)
End caps	20x40	D40-60
End caps	20x50	D40-50

## Threaded inserts

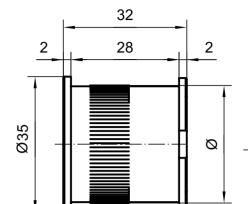


## **Application**

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

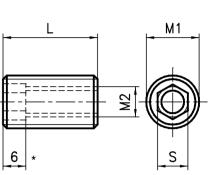


## **Application**

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.

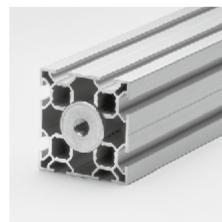
Note that there is no thread around \* the hexagon socket.

## Specification

Zinc-coated steel



Order data	Order number			
	Extrusion base			
Thread M	50/45/40 (L=36)	30 (L=28)		
M10	C33-20	B33-20		
M8	C33-22	B33-22		



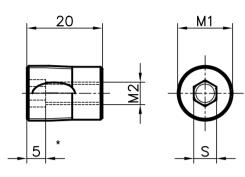
Orde	er data		Order number		
Threa	d		Extrusion	n base	
M	D	L	B02-6	C03-4	
M10	ø 24.6	30	B33-60	-	
M14	ø 24.6	30	B33-64	-	
M16	ø 30	30	-	C33-16	



Orde	er data		Order number		
Threa	d			Extrusion base	
M1	M2	S	L	50/45/40 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	
(-l=lnc	x)				

10°

## **Self-cutting threaded** insert



## **Application**

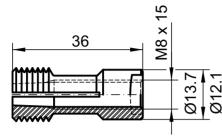
The self-cutting threaded insert has the advantage that no machining is required in order to attach elements on the face. Connections subject to tensile stress are primarily only ideal. This means that attaching levelling feet or casters is not recommended.

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

## **Specification**

Zinc-coated steel

## **Expanding sleeve**



## **Application**

The expanding sleeve is used to create a thread in the centre hole of the cross section. Hammering it in and clamping it with the expansion screw in the cross-section results an M8x15mm.

## **Tightening torques**

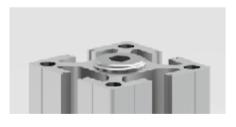
Expanding screw: min. 10Nm, max. 12Nm

## Specification

Zinc-coated steel

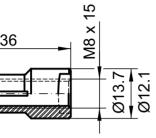
#### Parts supplied

Expanding sleeve, expanding screw



Order	data		Order nu	mber
Self-cutt	ing *			
Thread			Extrusion b	ase
M1	M2	S	50/45/40	30
M14.5	M6	6	A33-06	
M14.5	M8	8	A33-08	
M14.5	M10	8	A33-10	
M13	M5	6		B33-05
M13	M6	6		B33-06
M13	M8	8		B33-08

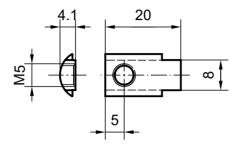
<sup>\*</sup> Not suitable for casters/levelling feet





Order data	Order number
Extrusion base 40, 45, 50 (core drilling Ø13.7)	A20-00
Extrusion base 20 and 30 (core drilling Ø12.1)	B20-00

## **Anti-twist spigots**



## Application

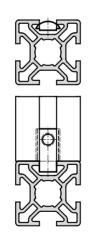
For all extrusions which are assembled with a PVS® connector and which must not twist. The spigot can also be fitted to existing extrusions (does not apply to 20x20 extrusions).

## **Specification**

Zinc-coated steel

## Parts supplied

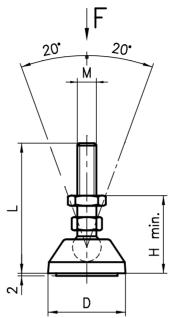
Spigot, adjusting screw





Order data	Order number		
	50/45/40	30/20	
Anti-twist spigots	AC29-01	BD29-01	

## Levelling feet

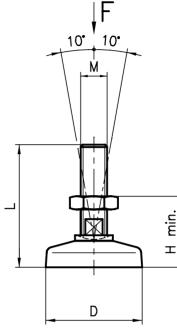


## **Specification**

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	Н	F		
M6x57	19	20	500 N	B43-02	
M10x75	29	35	2000 N	B43-10	
M10x75	39	35	3000 N	B43-11	
M10x75	49	37	3000 N	B43-12	
M16x155	39	38	8000 N	B43-16	
Other dime	ension	s or sp	oecial feet a	re available on	



## **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**

Order data

50

50 25

50

M16x115 50 25

25

M10x70

Cup: PA-GF black

Bolt/locknut: 8.8 steel, zinc-coated

Order number

B42-50

B42-54

B42-14

B44-50

B44-00

2500 N

3000 N

3000 N

3500 N

3500 N



## **Specification**

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

TK-Ø68

ø90

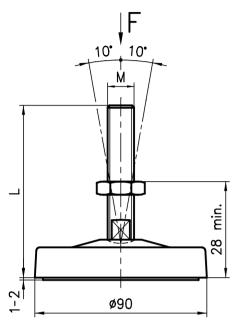


3xø

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



## 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

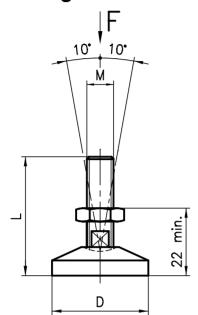
Multi-layer, non-slip, vibration-absorbent,

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** Base plates levelling feet



## **Application**

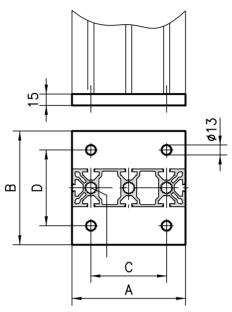
It is essential to use these levelling feet in applications where electrostatic charges must be earthed. (See also PVS connectors with electrical bonding)

## Specification

Cup: aluminium raw Bolt: aluminium raw



Order da	ta	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



## **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\*

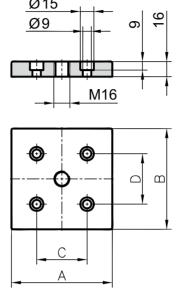
Bolt(s) M16x30

Example:: A47-50-S



Order da	ata	Ord	ler number				
Extrusion	Α	В	С	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							

## Foot plates



#### Application

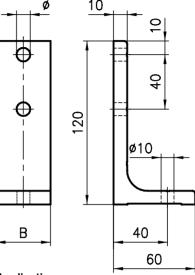
For use with extrusions without a central core hole when fixing levelling feet and casters.

#### Specification

Zinc die-cast, galvanised

## Fixing kit\*

Screws and threaded inserts



## **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.

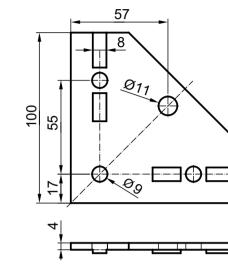
#### **Specification**

Aluminium, anodised in natural colours

## Fixing kit\*

2 screws, 2 threaded plates, 2 washers

## Floor bolting bracket



**Gusset plate** 

#### **Application**

With the gusset plate you create a reinforced connection of 2 extrusions. The punched beads position the extrusion. In the middle hole swivel castors can be mounted offset inwards.

#### **Specification**

steel, blue galvanised

suitable for base 40/45/50

Order da	ata	Order number			
Extrusion	Α	В	С	D	
100x00	100	100	50	50	A80-20*
90x90	90	90	45	45	E80-20*
80x80	80	80	40	40	C80-20*
45x90	45	90	-	45	E80-24*
40x80	40	80	_	40	C80-24*

<sup>\*</sup> Fixing kit: add -S to the order number Example: A80-20-S

Other dimensions on demand.

Order data	Order number		
Extrusion base	В	Ø	
50/45/40	40	8.5	A47-00*
30	30	6.5	B47-00*

<sup>\*</sup> Fixing kit: add -S to the order number Example: A47-00-S

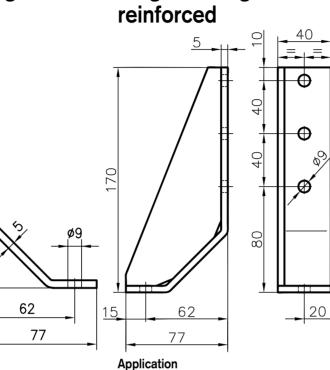


Order data	Order number			
Gusset plate 100x100x4	C30-50			

## **Double bolting** bracket

# 50 6 40 62 77

## Single bolting bracket Single bolting bracket



feet Ø 90.

**Specification** 

Steel, powder-coated in black

#### **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)*

## **Application**

40

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

## Specification

Steel, powder-coated in black

- 2 screws
- 2
- 2 washers

Order data

Single bolting bracket

## Fixing kit\*

(3)	threaded	plates

\*Fixing kit: add -S to the order number

A47-21(-S)\*



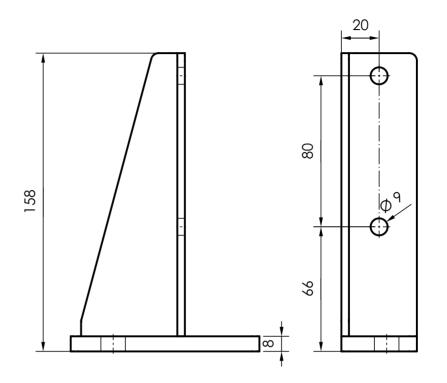
Same as the aluminium floor bolting

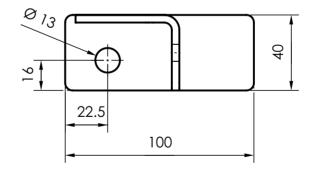
bracket with the added advantage that it

can be used together with large levelling

Order number	Order data	Order number
A47-21(-S)*	Single bolting bracket	A47-22(-S)*

## **Ground anchoring bracket**







## **Application**

The ground anchoring bracket enables simple floor mounting of 40x40 and 40x80 aluminium extrusion including levelling op-

## **Specification**

Steel, grey powder-coated

#### Fixing kit\*

2 T-bolts

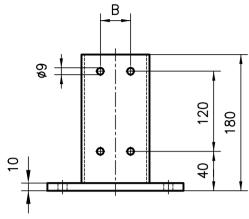
1 levelling screw M10x60

1 threaded insert A33-20

\*Fixing kit: add -S to the order number

Order data	Order number
Ground anchoring bracket	C47-31(-S)*

## Leg bolt-down socket



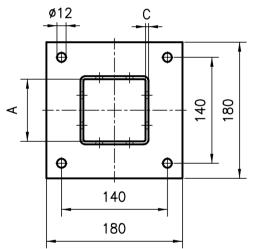
## **Application**

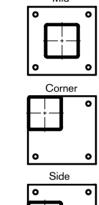
The bolt-down socket is used in applications where the legs have to be very firmly secured to the ground. The extrusion can be adjusted easily within the guide socket and can be secured in place using the fixing kit included. The bolt-down socket should be chosen, from the three available, to suit the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

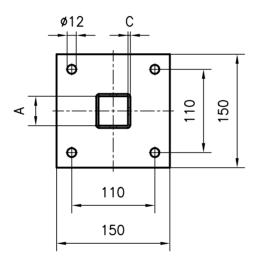
# 100 180 9

## Specification

Steel, powder-coated in black







## Fixing kit\* (applies to all types)

8 cylinder screws, 8 threaded plates 8 washers



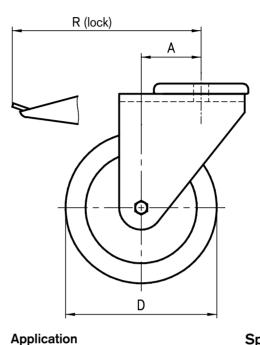


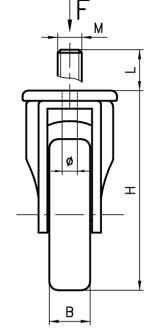
## Fixing kit\* (applies to all types)

- 4 cylinder screws, 4 threaded plates,
- 4 washers

Order data					Order number	Order data					Order number
	Α	В	С	Туре			Α	В	С	Туре	
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 90x90	92	45	4	Middle	E47-36	Extrusion 50x50	52	_	4	Middle	A47-32
*Fixing kit					E47-36-S					Corner	A47-33
										Side	A47-34
						*Fixing kit					A47-32-S

## **Castors**

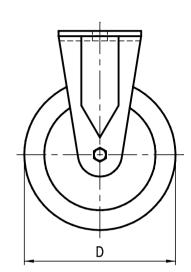




Can be used in any application where mobility is required. There are four diameters of wheels available (with or without locks) depending on the load capacity required. Swivel and non-swivel castors have the same load capacity. (F)

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

## **Non-swivel castors**



## **Specification**

Fork: Zinc-coated steel, Ball bearing

Wheel: Rubber tyre 87° Shore,

Ball bearing

with «fender» made of POM light gray





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

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

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

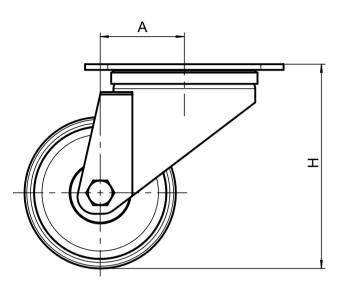
Order data		Order number			
	D	В	Н	Ø / MxL	
Non-swivel castors	75	25	98	Ø 11	B48-77*
Non-swivel castors	75	25	98	M14x25	B48-78*
Non-swivel castors	100	32	135	Ø 11	B48-107
Non-swivel castors	100	32	135	M16x25	A48-108
Non-swivel castors	125	32	160	Ø 12	B48-127
Non-swivel castors	125	32	160	M16x25	A48-128

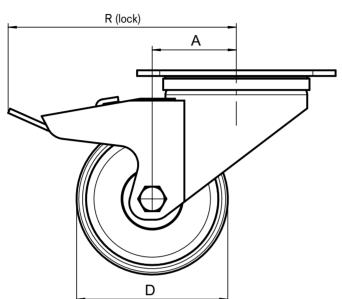
\*incl. washer of 2 mm

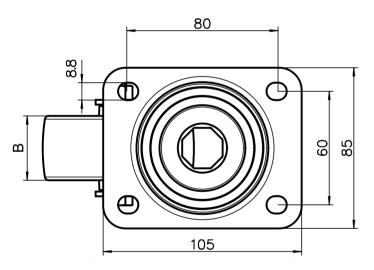
Load data F for non-swivel castor:

750N 1000N ø100 ø125 1000N

## Casters with backplate











## **Application**

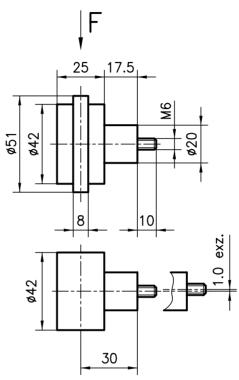
These casters with backplate can be screwed directly into the extrusion slot. Can even be used on workstations or storage racks, any application where mobility is required.

## **Specification**

zinc-coated steel, ball bearing PO, ball bearing

Order data						Order numl	ber	
	D	В	Н	Α	R	F	no lock	with lock
Castor	80	33	108	44.5	115	2000N	B48-80	B48-81
Castor	125	40	160	50	120	3500N	B48-126	B49-126

## **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.

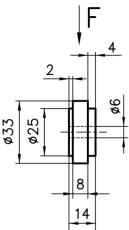
Insert the guide flange into the extrusion slot. Fit the flat roller onto the other side. This creates the perfect trolley/rail combination independent of the extrusion tolerance.

## **Specification**

Plastic roller, ball bearing mounted, steel spacer, gunmetal finish Radial load F = 500 N



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



## Application

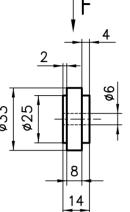
This ball bearing-mounted roller is mainly used in an assembly with the trolley extrusion, although it can also be attached directly to any extrusion.

#### Specification

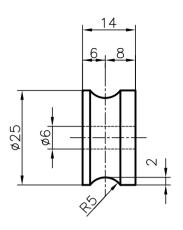
PA 6 black

2 deep groove ball bearings with cover

F = 150 N



## **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

F = 150 N



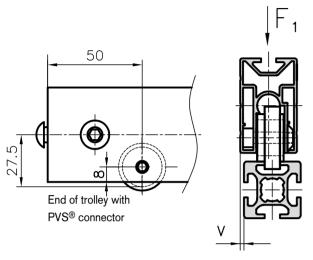
Order data	Order number
Roller PA	B48-05

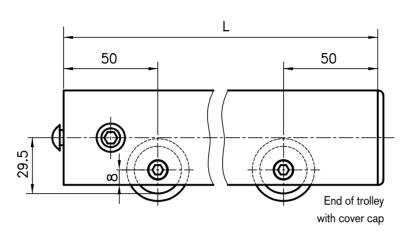
Order data	Order number
Roller, concave	B48-10

**KANYA** 168 **KANYA** 169

## 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.

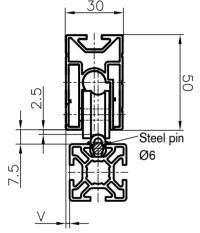
Trolleys are also available with more than 2 rollers.

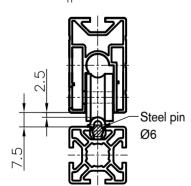
Using the concave rollers, together with the aluminium extrusion guide B19–8 on page 122, it is easy to produce easy cleaning guides.

#### Parts supplied

Aluminium extrusion with  $\geq 2$  rollers. PVS<sup>®</sup> connector and/or cover caps fitted.

End of trolley (page 169) with PVS® connector

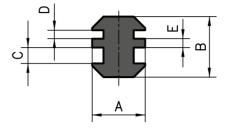




Order data		Order number	
		v = 0 mm	v = 2 mm
Double-wheeled trolley	L= with cover caps	B37-52-02-02/	B37-53-02-02/
Double-wheeled trolley	L= with PVS® connector	B37-52-10-10/	B37-53-10-10/
Concave double-wheeled trolley	L= with cover caps	B37-12-02-02/	B37-13-02-02/
Concave double-wheeled trolley	I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



## Plastic slide extrusions



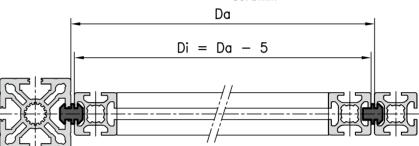
#### Specification

Black PE

Sliding friction coefficient: 0,2 Heat resistance to DIN 53461:

–250 °C to 100 °C

Indentation hardness to DIN 53456: 39N/mm<sup>2</sup>



## 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



Standard length 5000 mm B39-00-5M

Order number

B39-00-02-02/ ...

Order data

Cut to length

#### Application

Order data

Cut to length

Cut to length

Cut to length

Cut to length

with 2mm offset

with 2mm offset Standard length 5000 mm

Plastic slide extrusion

Standard length 5000 mm

Standard length 5000 mm

Plastic slide extrusion

Standard length 5000 mm

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.

Order number

Base of 50/45/40

A39-05-02-02/..

A39-02-02-02/...

Base of 30/20

B39-05-02-02/...

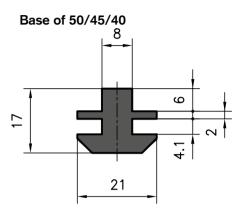
B39-02-02-02/...

B39-05-5M

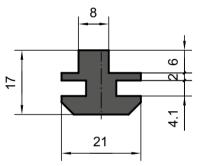
B39-02-5M

A39-05-5M

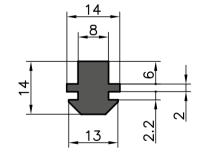
A39-02-5M



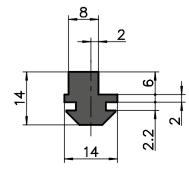
## Base of 50/45/40 with offset



#### Base of 30/20

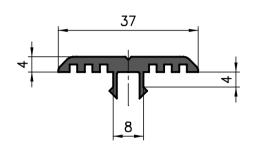


## Base of 30/20 with offset

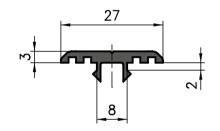


## Plastic slide extrusions

## Base of 50/45/40



#### 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

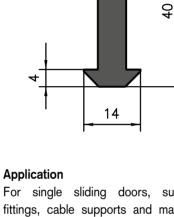


Cut to length



B39-20-02-02/...

Order data	Order number
Plastic slide extrusion	Base of 50/45/40
Standard length 5000 mm	AC39-20-5M
Cut to length	AC39-20-02-02/
Plastic slide extrusion	Base of 30
Standard length 5000 mm	B39-20-5M



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

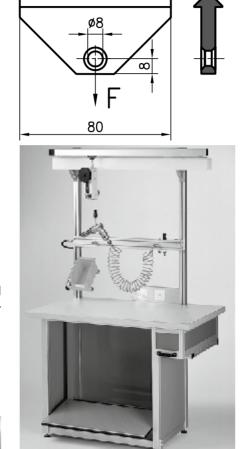
## **Specification**

PE, black



Order data	Order number
Plastic slide extrusion	Base 50/45/40/ 30/20
Standard length 5000 mm	A69-0-5M
Plastic slide extrusion	
Cut to length	A69-0-02-02/

## Sliding hook



## Application

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

#### Specification:

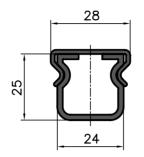
Slider: PE, black

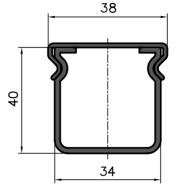
made from a plastic slide extrusion, A69-0-00 load-bearing capacity: F = 300 N

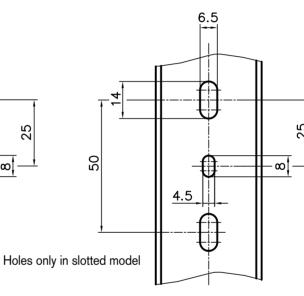
Spring hook: chromium-plated steel

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

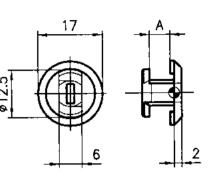
## Cable ducts







## **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, 45, 40 and 30.

## **Specification**

PA-GF, black

#### **Application**

Order data

4.5

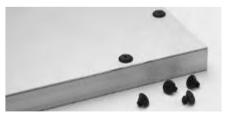
50

The cable ducts are placed directly onto the extrusions and are secured using either the retaining clips 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 (standard length: cable ducts 2000 mm)





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

Order number Cable ducts closed slotted 40 mm wide C38-00-2M C38-01-2M Standard length auf Länge geschnitten C38-00-02/... C38-01-02/.. Standard length B38-00-2M B38-01-2M auf Länge geschnitten B38-00-02/... B38-01-02/...

Other dimension on demand.

## «Velcro» Cable ties

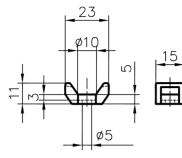
# 200 100

## **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, 45, 40 and 30.

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

## Tie wrap «base»

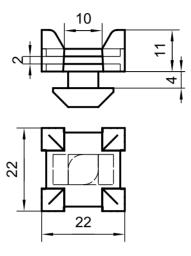


## Specification

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

Tie wrap Base: PA black

## **Cross-cable tie block**



## Application

The cross-cable tie block can be screwed into the nut. The block is locked after 90° rotation. Commercially available cable ties can be attached.

## **Specification**

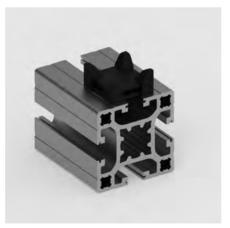
PA-GF, black



Order data	Order nu	mber
Extrusio		ase
«Velcro» Cable ties	50/45/40	30
	B50-50	B50-53



Order data	Order number
ie wrap «base»	Extrusion base 50/45/40/30/20
<b>p</b>	B50-55



Order data	Order number
Cross-cable tie block	Extrusion base 40/45/50
	B50-56

# Aluminium cable ducts 40x40, 40x80, 80x80

## **Application**

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

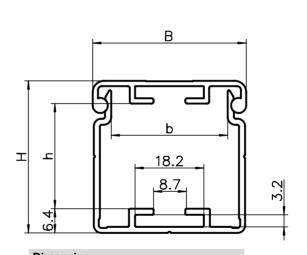
## Description

Size 40x40mm, 40x80 and 80x80

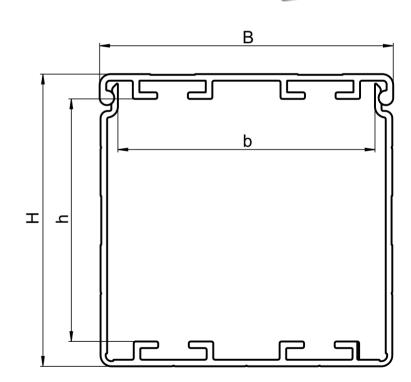
## **Specification**

Anodised aluminium

## Aluminium cable duct with cover



Dimension				
НхВ	b	h	Slot	
10x40	30.8	27.8	1	
10x80	70.5	27.8	2	
30x80	70.5	66.5	2	



Order data	Order number
Aluminium cable duct 40x40 incl. cover	(B=40, H=40)
Standard length 6000 mm	C38-11-6M
Cut to length	C38-11-02-02/

Order data	Order number
Aluminium cable duct 40x80 incl. cover	(B=80, H=40)
Standard length 6000 mm	C38-21-6M

Cut to length

Order number	Order data	Order number
(B=80, H=40)	Aluminium cable duct 80x80 incl. cover	(B=80, H=80)
C38-21-6M C38-21-02-02/	Standard length 6000 mm Cut to length	C38-31-6M C38-31-02-02/

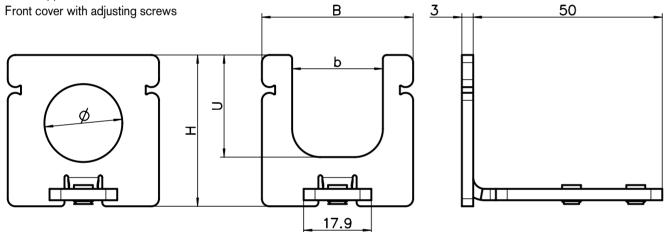
## Front cover

## **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







Order number

C38-14

C38-15

C38-18

Design with Ø 40x40

U-shape 24x27mm (Uxb)

Design 40x40

closed

1x Ø20.6

R

3x Ø16

2x Ø20.6

Design with U-shape 40x80



Design 40x80 Order number C38-24 closed U-shape 26x60mm (Uxb) C38-25

C38-26

C38-28



Closed design 80x80

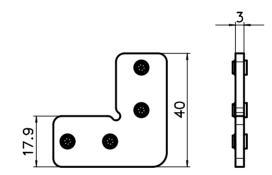
Design 80x80	Order number
closed	C38-34
U-shape 60x66mm (Uxb)	C38-35
4x Ø16	C38-36
4x Ø20.6	C38-38

## **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

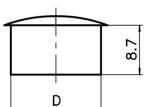
Covering cap

**Application** 

for front cover

The covering cap is used to cover uneces-

sary openings on the front plates.



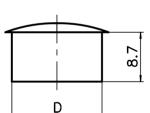
Plastic, black

## Cable passage to front cover

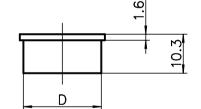
## Application

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

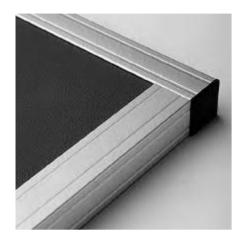
Order data	Order number
Connector, 90°	C38-90
Connector, straight	C38-91

Order number
C38-46
C38-47

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

**KANYA** 176 **KANYA** 177

## **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. Stoveenamelled on either side.

Thickness: 2.0 mm

Colour: aluminium metallic finish Size: max. 1250 x 3050 mm

Weight: 2.9 kg/m<sup>2</sup>

Thickness: 3.0 mm

white, similar to RAL 9016 Colour:

black, similar to RAL 9005

Size: max. 1500 x 3050 mm Weight: 3.0 mm: 3.8 kg/m<sup>2</sup>

Thickness: 4.0 mm Colour: Alu-metallic

Size: max. 1500 x 3100mm

Weight: 4.75 kg/m<sup>2</sup>



## «DILITE» specification

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

Thickness: 2.0 mm

Colour: white, similar to RAL 9016

Colour: white, similar to RAL 9016

and aluminium metallic finish

Size: max. 1250 x 3050 mm

Thickness: 3.0 mm

Size: max. 1500 x 3050 mm

## 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: 8 mm

Size: max. 1390 x 2070 mm

Colour: white Weight: 5.2 kg/m<sup>2</sup>

#### Order number Order data DIBOND 2 mm A51-12 A x B DIBOND 3 mm, state colour A51-13 A x B A51-32 A x B DILITE 2 mm DILITE 3 mm A51-33 A x B DIBOND 4 mm A51-14 A x B

Order data	Order number
Micro dense fibreboard	A50-58 A x B

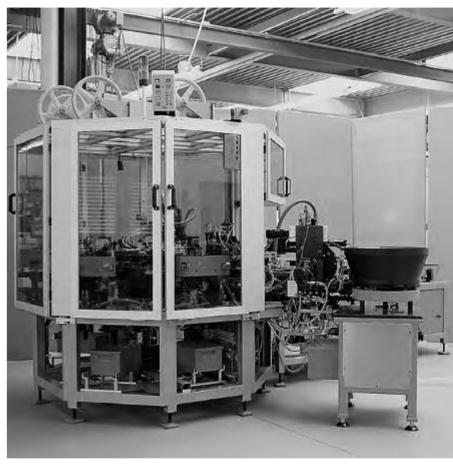
## **Acrylic glass**



## Application

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

## **Polycarbonate**



## 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/m<sup>2</sup>

> 4 mm: 4.70 kg/m<sup>2</sup> 5 mm: 5.90 kg/m<sup>2</sup> 6 mm: 7.10 kg/m<sup>2</sup> 8 mm: 9.45 kg/m<sup>2</sup>

Order data	Order numbe
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

## **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/m<sup>2</sup>

> 4 mm: 4.80 kg/m<sup>2</sup> 5 mm: 6.00 kg/m<sup>2</sup> 6 mm: 7.20 kg/m<sup>2</sup> 8 mm: 9.60 kg/m<sup>2</sup>

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

## 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 max. 2000 x 3000 mm Size: 3 mm: 4.14 kg/m<sup>2</sup> Weight:

4 mm: 5.52 kg/m<sup>2</sup> 5 mm: 6.90 kg/m<sup>2</sup> 6 mm: 8.28 kg/m<sup>2</sup>

8 mm: 11.0 kg/m<sup>2</sup>

Order data Order number A50-73 A x B PET-G plate 3 mm 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

## **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

**PVC** foamed

scratch-proof and impact-resistant

highly fire-retardant according to DIN 4102 (self-extinguishing)

Colour: white

Thickness: 3, 4, 6, 8 mm

max. 2000 x 3000 mm Weight: 3 mm: 2.1 kg/m<sup>2</sup>

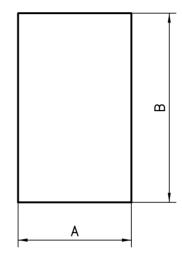
4 mm: 2.8 kg/m<sup>2</sup> 6 mm: 4.2 kg/m<sup>2</sup> 8 mm: 5.6 kg/m<sup>2</sup>

Other colours may be supplied on

request.

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

## **Aluminium sheets**



## Application

All types of enclosures.

#### Specification

Al-sheet 2 and 3.0 mm

Anodised in a natural colour, one side with

a protective sheet

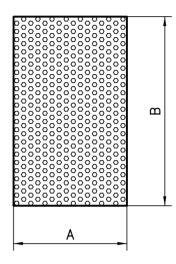
Maximum size: 1000 x 2000mm

Other dimensions or powder coated

sheets are available on request Weight: Al 2 mm: 5.4 kg/m<sup>2</sup>

Al 3 mm: 8.1 kg/m<sup>2</sup>

## **Expanded metal**



## **Application**

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

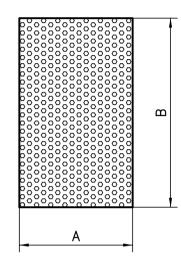
#### Specification

Aluminium 2 mm, raw

Maximum size: 1000 x 2000 mm

Weight: 2.0 kg/m<sup>2</sup>

## Perforated sheet



#### Application

The perforated aluminium sheet as a housing surface for ventilated areas. Where heat accumulation can occur, e.g. from a motor or other electronic components. This anodised sheet is also an aesthetic surface element.

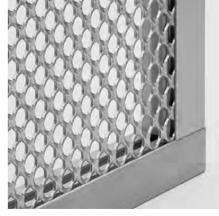
## **Specification**

Size of hole 8 mm with 11 mm grid in 60° placement.

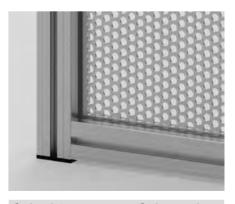
Weight: 2.85 kg/m<sup>2</sup> Size: 952 x 2000 mm Surface: bright rolled



Order data	Order number
Aluminium sheet, 2 mm	A53-20 A x B
Aluminium sheet, 3 mm	A53-30 A x B



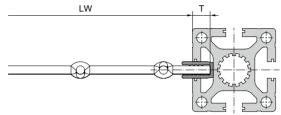
Order data	Order number	
Expanded metal	A54-20 A x B	



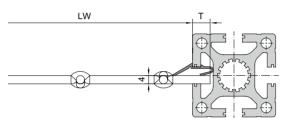
Order data	Order numbe	
Perforated sheet, 2 mm	A54-40	

## Steel wire mesh





Application with U-Clamping extrusion B19-6



Application with wedge extrusion C39-45

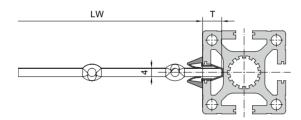
Application with grid ex-

trusion C39-70

## **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 extrusions B19-6.



## **Specification**

Zinc-coated steel

Mesh width: 40 mm Wire thickness: 4 mm

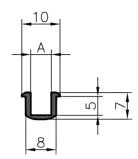
Size: max. 1000 x 2000 mm

Weight: 4.5 kg/m<sup>2</sup>

Measurement data				
B19-6	Base 30	Base 40	Base 45	Base 50
Mesh case depth T	5 mm	8 mm	10 mm	12.5 mm
Mesh size A50-44	LW + 10 mm	LW + 16 mm	LW + 20 mm	LW + 25 mm
U-clamp extrusion length in a mitre cut	LW + 13 mm	LW + 19 mm	LW + 22 mm	LW + 28 mm
C39-45	Base 30	Base 40	Base 45	Base 50
Mesh case depth T	-	8.5 mm	11 mm	13 mm
Mesh size A50-44	-	LW + 17 mm	LW + 22 mm	LW + 26 mm
C39-70	Base 30	Base 40	Base 45	Base 50
Mesh case depth T	_	9 mm	9 mm	9mm
Mesh size A50-44	_	LW + 18 mm	LW + 18 mm	LW + 18 mm
U-edging extrusion length in a mitre cut	_	LW + 20 mm	LW + 20 mm	LW + 20 mm

Order data	Order number
Steel wire mesh	A50-44 AxB

## Channel reducing strip



## **Application**

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

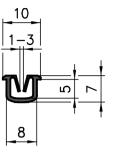
## **Specification**

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

Plate insertion depth: 4 mm



Order data	Order number
Channel reducing strip	A = 3.5 mm
Standard length 5000 mm	A39-33-5M
Cut to length	A39-33-02-02/
Channel reducing strip	A = 4.5 mm
Standard length 5000 mm	A39-32-5M
Cut to length	A39-32-02-02/
Channel reducing strip	A = 5.5 mm
Standard length 5000 mm	A39-34-5M
Cut to length	A39-34-02-02/



## Application

For thin sheets e.g. expanded metal, steel sheets, etc.

## Specification

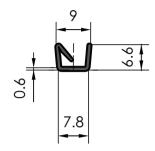
Grey PVC for panels up to 3 mm Plate insertion depth: 4 mm



Order data	Order number
Channel reducing strip	
Standard length 5000 mm	A39-31-5M
Cut to length	A39-31-02-02/



# Insert extrusion PVC Base 30



## **Application**

The inlay exrusion is used when installing panel elements with a thickness of 5 and 6 mm.

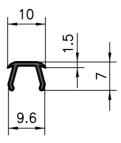
## **Specification**

PVC grey for panel thicknesses: 5 and 6 mm



Order data	Order number	
Insert extrusion		
Standard length 5000 mm	B39-51-5M	
Cut to length	B39-51-02-02/	

## **PVC** filler strips

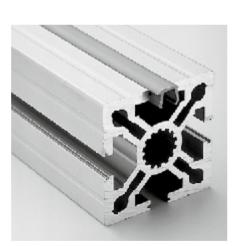


## Application

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.

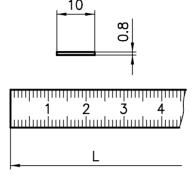
## **Specification**

Grey or black PVC



Order data	Order number
Filler strips Standard length 5000mm Cut to length	grey A39-25-5M A39-25-02-02/
Filler strips Standard length 5000mm Cut to length	<b>black</b> A39-26-5M A39-26-02-02/

## Aluminium filler strip



## **Application**

These aluminium strips can be used to blank off the longitudinal slots on all extrusions with a base of 40, 45 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).

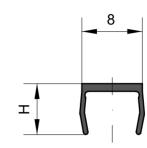
## **Specification**

Aluminium 0.8x 10 anodised or black anodised with millimetre scale



Order data	Order number	
Aluminium filler strip	anodised	mm-scale
L = 1000 mm		A39-16
L = 2000 mm	A39-17	A39-18

# Aluminium sealing extrusion 50/40/30



## Application

The grooves of the construction profiles are undoubtedly very practical. With certain constructions, however, they disrupt the appearance and attract dirt. The cover profiles made of aluminium facilitate a closed appearance despite maximum flexibility offered by the open grooves. Dirt can thus no longer be deposited either.

## Specification

Aluminium anodised

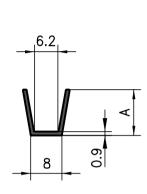


Measurement data			
Base	Н		
0	14.5		
0	10		
0	6.7		

D'	业		
		4	
1	X	D	

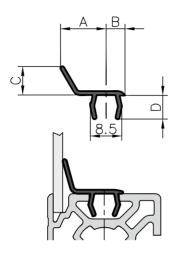
Order data 0	Order number
Aluminium sealing extrusio	n Base 50
Standard length 3000 mm	A39-22-3M
Cut to length	A39-22-02-02/
Aluminium sealing extrusio	n Base 40
Standard length 3000 mm	C39-22-3M
Cut to length	C39-22-02-02/
Aluminium sealing extrusio	n Base 30
Standard length 3000 mm	B39-22-3M
Cut to length	B39-22-02-02/

## Channel reducing strips and filler strips



# 0.5

## **Supporting extrusion**



#### **Application**

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

## **Specification**

Channel reducing strip

Standard length 5000 mm

Channel reducing strip

Standard length 5000 mm

 $A = 6.5 \, \text{mm}$ 

Cut to length

A = 12 mm

Cut to length

base 30

B39-50-5M

base 45 /

B39-55-5M

B39-50-02-02/...

extrusions B05-1

B39-55-02-02/...

Grey PVC

When fitting 3mm panels for base 40 panels extrusions. (Page 87)

## **Specification**

## **Application**

Black PVC

#### Order data Order number Channel reducing strip base 50 A = 14.5 mmStandard length 5000 mm A39-50-5M A39-50-02-02/... Cut to length Channel reducing strip base 40 A = 10 mmC39-50-5M Standard length 5000 mm C39-50-02-02/... Cut to length

Order data	Order number
Channel reducing strip	Base 40
Standard length 5000 mm	C39-64-5M
Cut to length	C39-64-02-02/

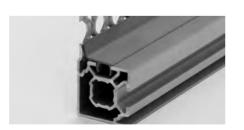
## **Application**

The supporting extrusion has two functions; it gives optimum support (pressure) to thin panels which are inserted into the narrow slots and at the same time it also covers the extrusion connector slots.

## **Specification**

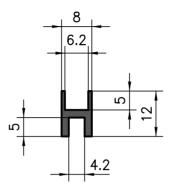
Suitable for panel thickness of 2-3 mm Grey PVC

Measurement data					
Extrusion base	Α	В	С	D	
30	13	5	8	6	
40	15	7	10	9	



Order data	Order number
Clamping extrusion 30	
Standard length 5000 mm	B39-25-5M
Cut to length	B39-25-02-02/
Supporting extrusion 40	
Standard length 5000 mm	C39-25-5M
Cut to length	C39-25-02-02/

## H-strip



B39-55

B39-35

B39-50

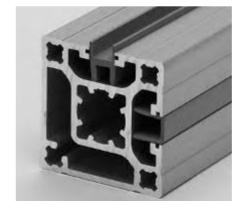
#### Application

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

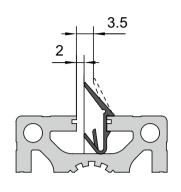
#### Specification

Grey PVC for panels of 4 or 6 mm in thickness



Order data	Order number
H-strip	extrusions B05-1
Standard length 5000 mm	B39-35-5M
Cut to length	B39-35-02-02/

## Wedge extrusion

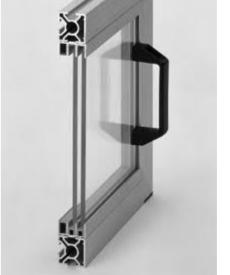


#### **Application**

The wedge extrusion can be pressed into the slot on extrusions with a base of 40, 45 and 50 mm. The force holds the panels tightly in place, however thick they are.

#### **Specification**

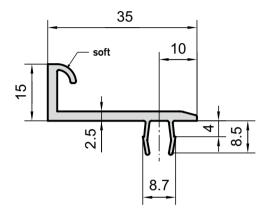
Suitable for panel thickness of 2-3.5 mm Grey PVC



	T	
L		
-		

Order data	Order number
Wedge extrusion	
Standard length 5000 mm	C39-45-5M
Cut to length	C39-45-02-02/

## Door stop profile



## **Application**

As the name says, this profile is used as a door stop. The foot geometry means that it can be clipped into the basis 40. The soft sealing lip muffles firstly the closing and facilitates a certain tightness. It should be ensured that the door gap is of a correspondingly large size.

## **Specification**

Hard (soft) PVC, grey





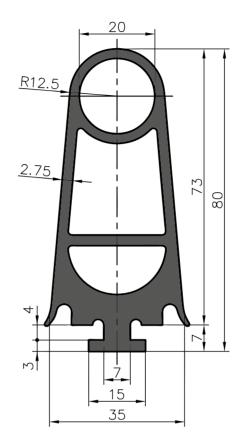
## Matching extrusion combinations:

	Frame	Doo
Base	40	40
Base	50	45



Order data	Order number
Door stop profile	
Standard length 5000 mm	C39-55-5M
Door stop profile	
Cut to length	C39-55-02-02/

## 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 respective KANYA-extrusions.

Order number

C39-90-2M

C39-90-02-02/...

## **Specification**

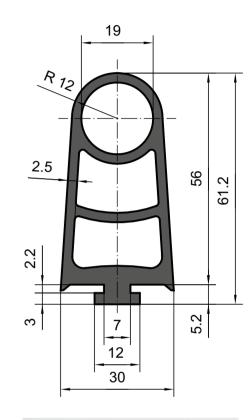
Order data

Cut to length

Saftey-edge extrusion Standard length 2000 mm

EPDM caoutchouc black

## Protective edge profile Base 30



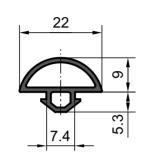


Order data	Order number			
Protective edge profile Base 30				
Standard length 1900 mm	B39-90-1.9M			
Cut to length	R39-90-02-02/			

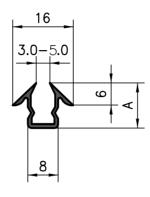


## Ribbed rubber extrusion Semi-circular sealing

# strip



## **U-sealing strip**



## **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, 45, 40, 30 and 20 cross-sections.

## **Specification**

EPDM, black Weight: 70g/m

## Application

The semi-circular sealing strip can be inserted into the slots on almost all crosssections of the base 50, 45, 40, 30 and 20. It is used as a seal of any kind, mostly also in clean room technology.

#### Specification

Material tpe 65, black

## **Application**

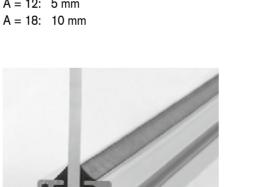
This sealing strip can be inserted into the 8 mm slots on any extrusions and is suitable for panels measuring between 3 and 6 mm in thickness.

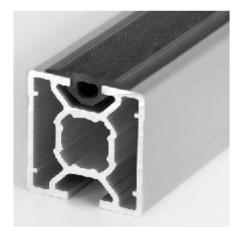
## Specification

Black neoprene rubber, oil-resistant. Installation depth for panels:

A = 12: 5 mm







Order data	Order number

## Ribbed rubber extrusion

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



Order data	Order number
Canal airendan analisan aksis	

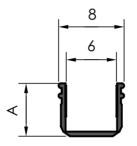
#### Semi-circular sealing strip

Standard length of rolls of 25 m A39-86-25M A39-86-02-02/... Cut to length



Order data	Order number
U-sealing strip, A = 12 mm Standard length of rolls of 100 m Cut to length	
U-sealing strip, A = 18 mm Standard length of rolls of 25 m Cut to length	

## Inlay profile



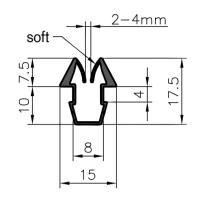
## **Application**

For simple glazing (laminated safety glass up to 6.7 mm), the insert profile with adhesive strips for aluminium profiles of base 30, 40 und 50 can be used.

## Specification

TPE-V

## **Grid extrusion**



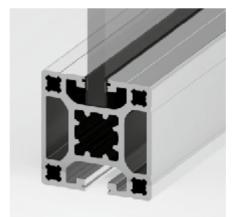
#### **Application**

Mainly used for holding steel-wire-mesh. The soft lips insulate the vibration and compensats the different thicknesses. It's qualified for panels with 2-4 mm thickness.

The grid extrusion fits into the base 50, 45 and 40.

## **Specification**

Hard- (soft) PVC, black Installation depth for panels: 8 mm



Measurem	ent data	
	Α	
A39-56	14.5	
C39-56	10	
B39-56	6.7	

Order data	Order number
Inlay profile	50 base
Standard length of rolls of 2x 50 m	A39-56
Cut to length	A39-56-02-02/
Einlageprofil	40 base
Standard length of rolls of 2x 50 m	C39-56
Cut to length	C39-56-02-02/
Einlageprofil	30 base
Standard length of rolls of 2x 50 m	B39-56
Cut to length	B39-56-02-02/



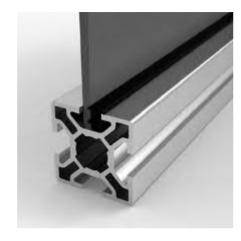
Order data	Order number
Grid extrusion	
Standard length 5000 mm	C39-70-5M
Cut to length	C39-70-02-02/

## Clamping sealing strip Base 30/20

# 6.2 9.

## Clamping rubber seal





## **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**

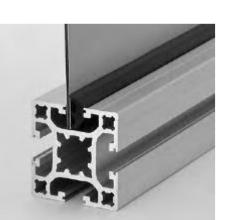
TPE black, oil-resistant For panels 5–6 mm thick

## **Application**

These profiles are used for the installation of panels in the profile groove. The installation is done after the panels have been inserted. The rubber profiles can simply be pressed into the existing gap. The material automatically results in a damping, sealing and stabilising effect.

## **Specification**

Neoprene rubber black, oil resistant, contains no silicone



## Base 20

Order data

Cut to length

Cut to length

Cut to length

Standard length roll: 200 m

Standard length roll: 200 m

Standard length roll: 200 m

Panel thickness 4 mm

Panel thickness 5 mm

Measurement data
Panels 5–6 mm thick

Order data	Order number
Clamping sealing strip 30/20	base
Standard length of rolls à 100 m	B39-83-100M
Cut to length	B39-83-02-02/

Measurement	data	
Panel thickness	Base 30	Base 40/45/50
1.5 – 2 mm	B39-72	A39-72
3 mm	B39-73	A39-73
4 mm	B39-74	A39-74
5 mm	B39-75	A39-75

30	Base 40/45/50	
72	A39-72	
73	A39-73	
74	A39-74	
75	A39-75	

# Base 30 Base 40/45/50 Panel thickness 1.5 – 2 mm Panel thickness 1.5 – 2 mm Standard length roll: 200 m B39-72-200M Cut to length B39-72-02-02/... Panel thickness 3 mm Panel thickness 3 mm

B39-73-200M

B39-74-200M

B39-74-02-02/...

B39-75-200M

B39-75-02-02/...

B39-73-02-02/...

Cut to length A39-73-02-02/...

Panel thickness 4 mm

Standard length roll: 200 m

Cut to length A39-74-200M

A39-74-02-02/...

Panel thickness 5 mm Standard length roll: 200 m Cut to length

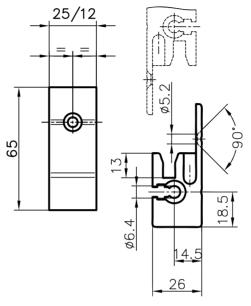
Standard length roll: 200 m

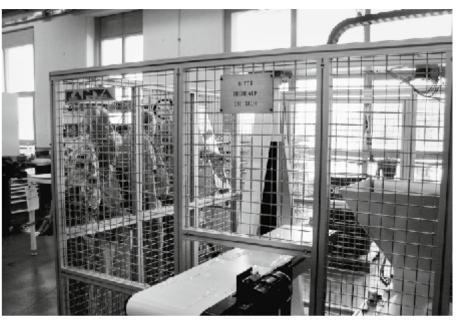
mm bil: 200 m A39-75-200M A39-75-02-02/..

Order number

A39-73-200M

## 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

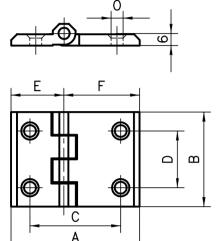
Al, anodised in natural colours





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

## Plastic hinges fix



## **Application**

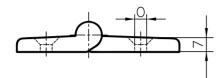
That the optimal pivoting characteristics is given for doors, windows ect, the designer needs a selection of hinges, which are fitting exactly.

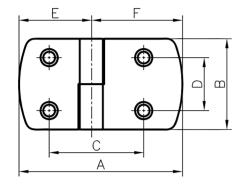


## **Specification**

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

0 11 0

**Specification** 

Al anodised natural colours

Pin: steel zinc coated

**Aluminium hinges** 

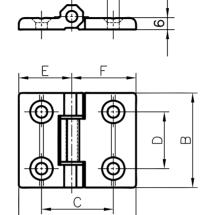
lift-off type

Image: left fixed type

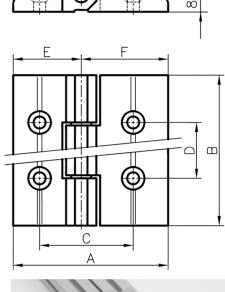
Specification	
PA-GF black	
Pin: steel zinc coated	

Orde	r data	1						Order number
Base 50 45 50/30 30	<b>A</b> 76 66 63 50	<b>B</b> 50 50 50 50	C 56 48 43 30	D 30 30 30 30	8 38 33 25 25	F 38 33 38 25	O 6.3 6.5 6.3 6.3	A60-00-PA * E60-00-PA * AB6-00-PA * B60-00-PA *
*Item n	umber	for fixi	ing kit:	add -S	S to the	e order	number	Example A60-60-S

## **Zn-die cast hinges** fixed type



## Al-heavy duty hinges fixed type



## **Specification**

GD-Zn, nickel plated (black powder coated on request) Pin: steel zinc coated washer: PA-6 white

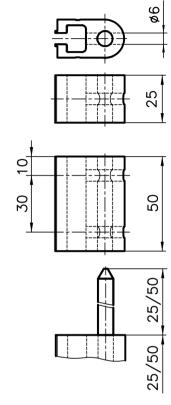


## Specification

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

#### Order data Order number Zn-diecasting hinges В Base 78 50 54 30 39 39 6.3 A60-21\* 49 30 34 39 50/40 50 6.3 AC6-21\*/\*\* 28 39 50/30 67 50 43 30 6.3 AB6-21\* 68 50 30 40 44 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 \* the order number for the fixing kit add Base Α В -S to the art.no.: 75 75 46 92 100 54 46 6.3 A60-30\* Example: A60-21-S 50/40 82 45 72 40 72 100 49 36 46 6.3 AC6-30\* 36 36 75 36 100 49 6.3 E60-30\* 100 44 75 36 C60-30\* \*\* also applicable for 45x45

## **Special hinges** lift-off type



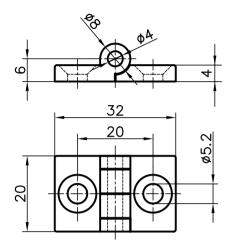


## **Specification** Al anodised natural colours

Pin Ø 8mm: steel zinc coated

Order data	Order n	umber
	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	

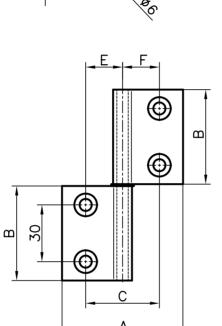
## Aluminium flat hinge





## **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



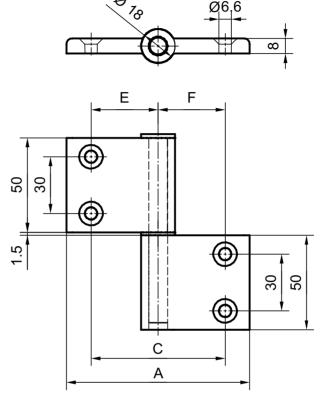
removed. This is important when considering the safety aspects.

## **Specification**

Anodised aluminium Pin: Stainless steel

Measurement data				Order number		
Base	Α	В	С	Ε	F	
50	84	50	60	30	30	A60-29*
45	84	50	55	27.5	27.5	E60-29*
40	84	50	50	25	25	C60-29*
30	64	50	40	20	20	B60-29*
50/45	84	50	57	29.5	27.5	AE6-29*
50/40	84	50	55	30	25	AC6-29*
45/40	84	50	52.5	27.5	25	EC6-29*
45/30	74	50	47.5	27.5	20	EB6-29*
40/30	74	50	45	25	20	CB6-29*
50/30	84	50	50	30	20	AB6-29*

## Aluminium flat hinge







## **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 removed. This is important when considering the safety aspects.

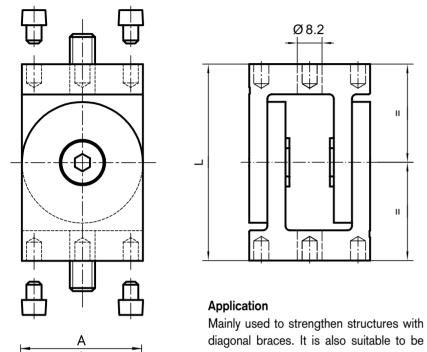
## **Specification**

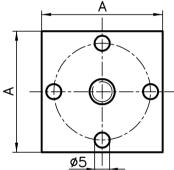
Anodised aluminium Pin: Stainless steel

Measu	rement o	data				Order number
Base	Α	В	С	Е	F	
30/30	77	50	48	24	24	B60-31*
40/40	97	50	58	29	29	C60-31*
45/45	97	50	63	31.5	31.5	E60-31*
50/50	97	50	71	35.5	35.5	A60-31*
30/40	87	50	53	24	29	CB6-31*
30/45	87	50	55.5	24	31.5	EB6-31*
30/50	87	50	59.5	24	35.5	AB6-31*
40/50	97	50	64.5	29	35.5	AC6-31*
40/45	97	50	60.5	29	31.5	EC6-31*
45/50	97	50	67	31.5	35.5	AE6-31*

<sup>\*</sup> Item number for fixing kit: add -S to the order number Example B60-31-S

## Joint base 40/50





#### **Specification**

Aluminium, matt, anodised in natural colours

Screws and flats: steel zinc coated

## Parts supplied

- 2 assembled joint halves
- 4 flats

Order data

Joint

Base 50

Base 40

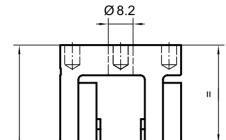
1 fixation material S1, S2 or S3 as per situation 1 / 2 / 3

50 85

40 65

A61-00

C61-00

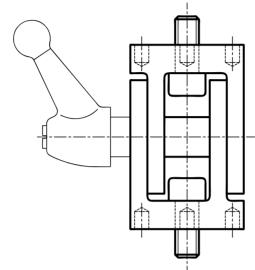


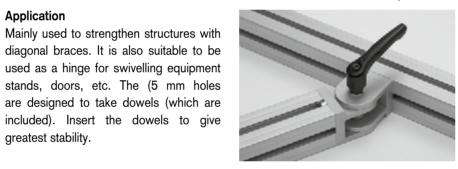
greatest stability.

Assembly situation

1

## Joints base 40/50 with clamp lever





## **Specification**

Aluminium, matt, anodised in natural colours

Screws and flats: steel zinc coated

## Parts supplied

- 2 assembled joint halves

3

1 fixation material S1, S2 or S3 as per situation 1 / 2 / 3

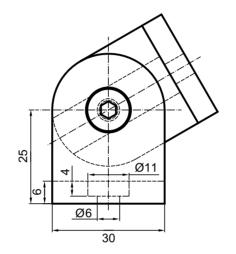


2

Fixation sets supplement product number with -S1,

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

## Joint base 30



#### **Application**

The joints of the basis 30 are fundamentally used as connecting elements in which a connection crosswise to the groove can be generated. At the front, the joint is screwed with a thread insert. The connection laterally to a profile is done with a threaded plate and the matching screw. The variant without clamp lever is clamped when the screw is tightened. The joint is not designed for permanent movement.



## Joint base 30 with clamplever



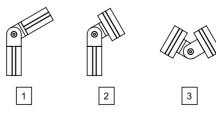
#### **Specification**

Aluminium, matted, natural coloured ano-

#### Parts supplied

- 2 joint halves loose
- 1x fixation material S1, S2 or S3 pursuant to situation 1 / 2 / 3
- 1 distance busing
- 1 counter sunk screw M6x30

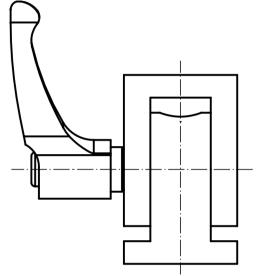
## Assembly situation



Fixation sets supplement product number with -S1, -S2 or -S3.

For example: B61-00-S1

Order data	Order number
Joint base 30	B61-00



#### **Application**

The joint with clamp lever serves to create pivotable constructions easily. It is important here that the joint does not have to absorb strength against the course of the thread as it can otherwise become loose.

## Specification

Aluminium, matted, natural coloured ano-

#### Parts supplied

- 2 joint halves loose
- 1x fixation material pursuant to situation 1 / 2 / 3
- 1 clamp lever M6

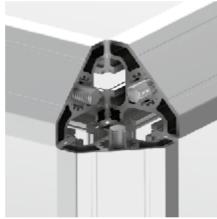
Order data	Order number
Joint base 30	B61-01
with clamplever	

## **Corner pieces**



## **Attachment**

All corner pieces can be mounted using three threaded connectors for the respective extrusion sizes. These can be found on page 140 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 connec-







## 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

## Fixing kit\*

3 PVS connectors with thread

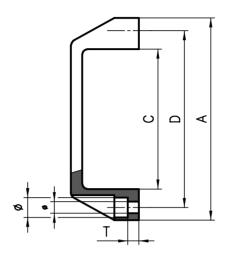
## Specification

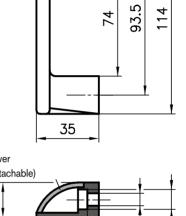
Aluminium, anodised in natural colours Attached by a PVS threaded connector

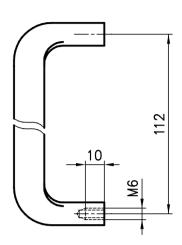
Order data	Order number		
Corner piece Base 50 extrusions	<b>round</b> A70-00*	flat A71-00*	
A02-8 extrusion		A71-08*	
Base 40 extrusions	C70-00*	C71-00*	
C02-8 extrusion		C71-08*	
Base 30 extrusions	B70-00*	B71-00*	
Base 20 extrusions	D70-00*	D71-00*	

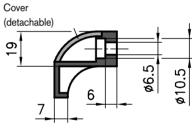
<sup>\*</sup> Fixing kit: add -S to the order number Example: A70-00-S

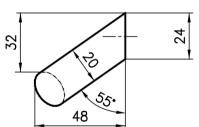
## **Handles**











## **Application**

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

Η

## **Specification**

PA-GF, black

#### Measurement data

107 21 74 93.5 36 6 122 19 82 100 33 13 8.5 5.5 134 26 95 117 41 6.5 13.5 8.5



Order data	Order number
Small handle	B65-00
Medium handle	B65-01
Large handle	A65-01

## **Application**

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

## **Specification**

PA-GF, black

## **Application**

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

## **Specification**

Aluminium black RAL 9005 (plastic coated) Aluminium natural colour anodised

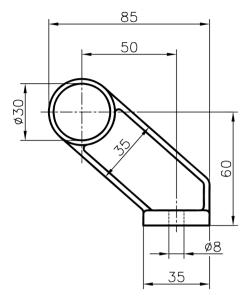


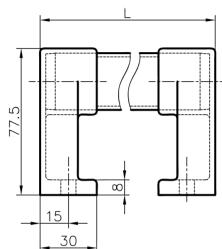
Order data	Order number
Ergo handle	D65-01

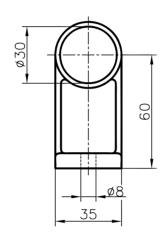


Order data	Order	Order number		
Handle	black	anodised		
	A65-05	A65-06		

## **Tube handle offset**







Tube handle straight



## **Application**

These strong tubing grasps are suitable for heavy sliding doors, large windows or also as impact handles for trolleys.

With double sliding doors and critical space conditions, anywhere that risk of trapping hands exists, the offset tubing grasp is highly recommended.



## Specification

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

Order data	Order n	umber
	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 available as per request.



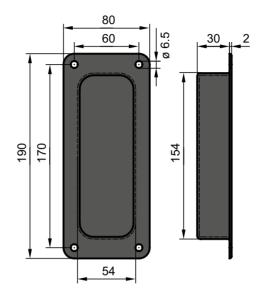
## **Specification** Support: PA-GF, black

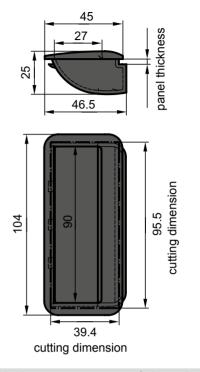
Tube: Al, anodised

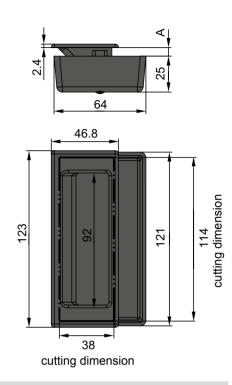
Order data	Order n	Order number		
	L			
Tube handle straight	250mm	A65-12		
Tube handle straight	300mm	A65-13		
Tube handle straight	400mm	A65-14		
Tube handle straight	500mm	A65-15		

Other length available as per request.

## Recessed grip







Order data	Order number			
Thickness:	2mm	3mm	4mm	5mm
Grip recess, black	A65-32	A65-33	A65-34	A65-35
Grip recess, light-grey	A65-42	A65-43	A65-44	A65-45

## Recessed grip with clip function

These recessed grip are suitable for sliding doors as well as for light swing doors. With the clip function, installation is very easy.

## Specification

**ABS** plastics

Recessed grip screwable

This recessed grip is suitable for sliding or swing doors. The fingers find enough space in the bowl for a good grip. For transparent panel elements, we recommend the retractable recessed grip.

## **Specification**

**ABS** plastics

## Fixing kit

1x front side

1x finger protection (back side)

2x lenshead, screws ø3x18, galvanized steel

Thickness A: 0.5 - 5mm Colour: black

Order data	Order number
Recessed grip, screwable	A65-55

## **Application**

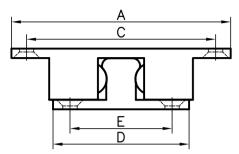
A recessed grip made of plastic that is sufficiently large for a hand wearing a glove to be inserted. Or you use this as a storage recess for small parts. Simple fixation by means of screws/rivets.

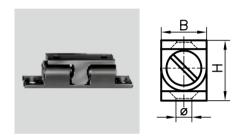
## **Specification**

Order data	Order number
Recessed grip	A65-50

PA-GF black mat and grey

## **Ball catches**





#### Measurement data

 Size
 A
 B
 C
 D
 E
 H
 Ø

 Small ball catch
 59
 10.5
 50
 38
 27
 16.4
 3.6

 Large ball catch
 69
 13
 57
 42
 30
 20
 4.2

## **Application**

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

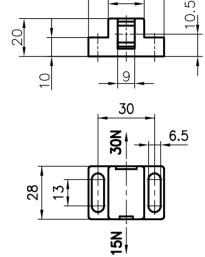
## **Specification**

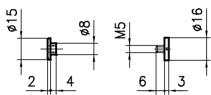
Brass (chromium-plate steel balls) Clamping force adjustable



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

# Magnetic fasteners DUO





## 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.

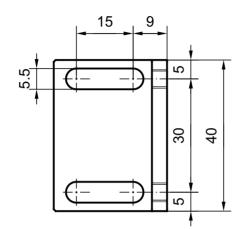
## Specification

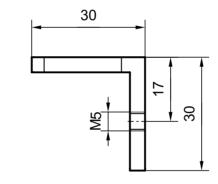
Black plastic with a permanent magnet / pan-head screw with nut.



Order data	Order number
Magnetic fasteners DUO	A67-20

# Mounting bracket magnet DUO





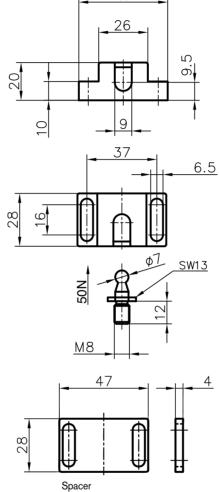
## Application

This bracket allows the installation of the magnetic lock Duo. With the slit you can adjust the final position.



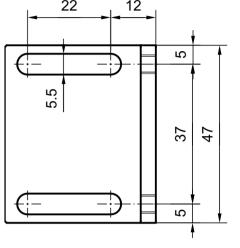
Order data	Order number
Mounting bracket magnet DLIO	Δ67-21

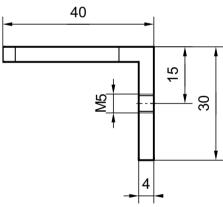
## **Ball catches**





# Mounting bracket ball catch





This bracket allows the attachment of the ball catch. You can adjust the final position with the the slot.

Application

Order data	Order number		
Ball catches	A66-50		
Spacer	A66-54		

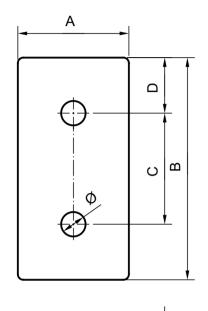
**Specification** 

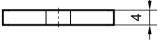
PA-GF, black

fixing screw: steel zinc coated

Order data	Order number
Mounting bracket ball catch	A67-51

## Lug



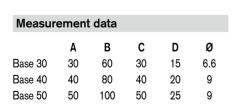


## **Application**

The lugs in the basic dimensions 30x60, 40x80 and 50x100 can be used universally and offer many application possibilities.

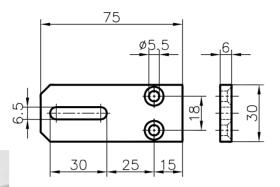
## **Specification**

Al, anodised in natural colour



Order data	Order number
_ug 30x60	B62-30
_ug 40x80	C62-30
O .	00200
_ug 50x100	A62-30

## **Arrester plate**





## Application

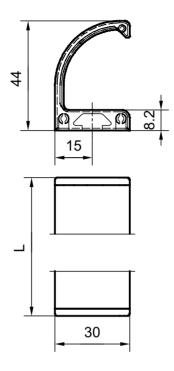
As door- or window arresters with fixing possibility. It is possible to screw the arrester plate through the slot and make it secure. It's also qualified as a simple connecting element.

## Specification

Al, anodised in natural colour

Order data	Order number
Arrester plate	C62-10

## 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

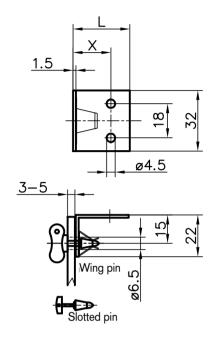
## Parts supplied

incl. 2 end cap

Order data	Order number
Handle strip 200 mm*	B65-62
Handle strip 300 mm*	B65-63
Handle strip 400 mm*	B65-64
*incl. end cap	
L = 200 mm incl. end cap	

Other length available as per request.

## **Quick-release fasteners**



## **Application**

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

## Specification

Brackets and bolts: stainless steel Spacer ring: rubber

Order data	Order number		
	L = 18 X = 8.5	L = 24 X = 15	L = 30 X = 18.5
Quick-release faste with a wing pin Quick-release faste	A64-10	A64-12	A64-11
with a slotted pin		A64-22	A64-21

## **Rod lock**



## **Application**

The rod lock is installed inside 50, 45, 40 and 30 mm base extrusions. The extrusions have to be milled in the area of the handle. It has a double rod locking mechanism. The rod is cut to the appropriate installation length.

#### **Specification**

Handle: grey (RAL 7015) Rod: zinc-coated steel

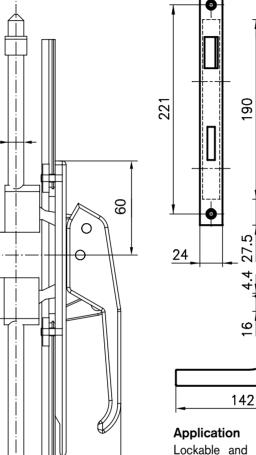
max. length per rod:

base 50/45/40 max. 1500mm base 30 max. 1100mm

## Parts supplied

- 1 handle with 2 rod adapters
- 2 rods
- 2 plain bearing bushes
- 2 guide bushings
- 2 countersunk screws M5 and2 threaded plates

## Inset lock



10

2x16

Stroke: 3

1100/1500

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

В

62

35

## 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

Orde	r data	Order n	umber	
Rod bo	lt unlockab	le		
Base	50	45	40	30
	A68-07	E68-07	C68-07	B68-07
Rod bo	lt lockable			
Base	50	45	40	30
	A68-08	E68-08	C68-08	B68-08

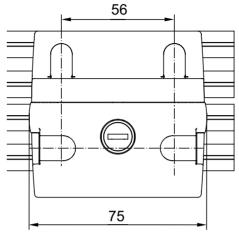
Ø14\*

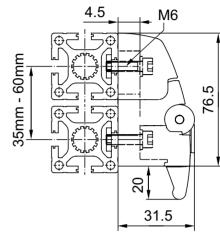
\* Base 30: Ø12

47

# 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





## 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.

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

- mechanical locking without power
- signal when door closed
- enabling/disabling of automatic processes

## 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**

Order data

Snap-lock

Order number

A68-51

GD-Zn, black instant locking, 2 keys 4 M6 square nuts





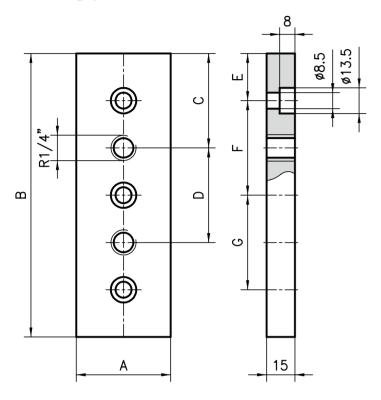
## Locking handle

## Application

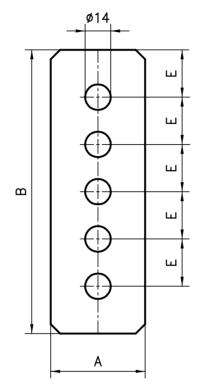
Lockable machine doors, such as switch cabinets, service doors or easy access points, are often made with the industry standard locking handle. We also integrate these into our designs.



## **Sealing plates**



## Flat sealing element



## **Application**

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







## Fixing kit\*

Screws + threaded inserts

## Specification

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

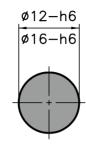
Order data								Order number
Sealing plates	Α	В	С	D	E	F	G	
40x80 extrusion	40	80	40	-	20	40	-	C80-30*
50x100 extrusion	50	100	50	-	25	50	-	A80-10*
50x150 extrusion	50	150	50	50	25	50	50	A80-30*

<sup>\*</sup> Fixing kit: add –S to the order number Example: C80–30–S

Order data	Order number	
Flat sealing element f	or the sealing plate	
Profil 40x80	C80-31*	
Profil 50x100	A80-11	
Profil 50x150	A80-31	

## \*only with base extrusion C01-3

## 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.

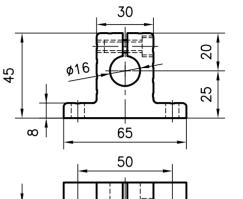
#### Specification

Steel, Cf 53, hardened, ground Hardness: HRc 62 ± 2 Ø 12 0.9 Kg/m Ø 16 1.5 Kg/m

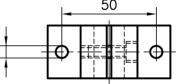


Order data	Order number
Steel shaft ø12 Standard length 6000 mm Cut to length	L12-20-6M L12-20-02-02/
Steel shaft ø16 Standard length 6000 mm Cut to length	L16-20-6M L16-20-02-02/

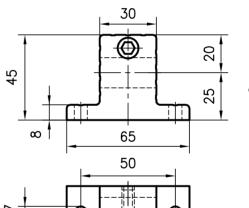
## Shaft clamping block







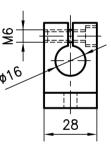
Shaft clamping block – straight



Order data

Shaft clamping block - straight L16-60

Shaft clamping block – 90° L16-65



Shaft clamping block - 90°

## Application

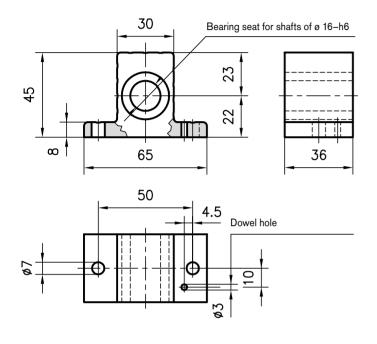
A high-precision linear bearing system can be created very easily with the components, i.e. the shaft clamping block, the linear bearing block and the steel shaft. As there are two different shaft clamping blocks, the system can be assembled flexibly. The fixing centres combine well with the PVS® extrusions.

## **Specification**

Order number

Aluminium, anodised in natural colours Scope of delivery including screws.

## Linear sliding block



#### **Specification**

Housing: aluminium, anodised in natural colours

Linear bearing: steel, sealed on both sides, maintenance-free

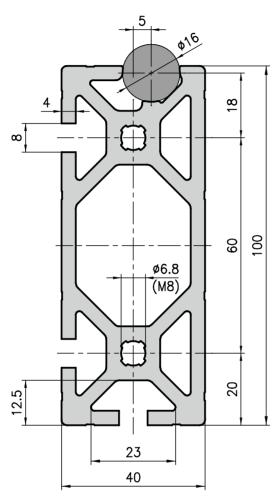


## Load rating

dynamic	static
350 N	620 N

Order data	Order number
Linear sliding block	L16-68

# Shaft support extrusion 40x100 Type L16-10



## **Application**

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  $\emptyset$  6.8 with a M8 thread.

The side plates or side construction must be specially designed for this guide, therefore they are only available on request.

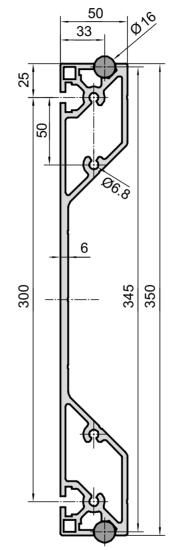
Technical data	
Ix	= 172.22 cm <sup>4</sup>
Iy	$= 31.92 \text{ cm}^4$
Wx	$= 33.83 \text{ cm}^3$
Wy	$= 15.95 \text{ cm}^3$
Cross-section area	$= 16.75 \text{ cm}^2$
Weight	= 4.5 kg/m

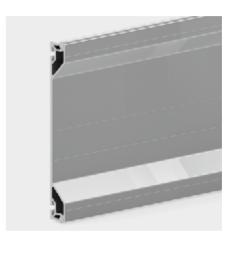
Order data	Order number	
Shaft support extrusion 40	x100	
Standard length 6100 mm	L16-10-6.1M	

## haft support extrusion 40x100

Shaft support extrusion 40x100		
Cut to length	L16-10-02-02/	
Extra machining	Pages 43-47	

# Shaft support extrusion 50x350 Type L16-15

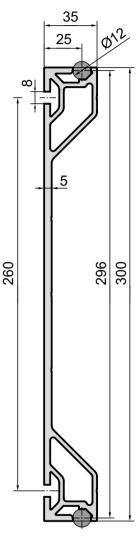




## **Application**

With this guide profile, the shafts are pressed in on both sides. For this guidance, the slide plates or the slide construction must be specially designed in each case, therefore these are only available on request.

# Shaft support extrusion 35x300 Type L12-10



# Technical data Ix = 2768.00 cm<sup>4</sup> Iy = 28.90 cm<sup>4</sup>

Order data Order number

Shaft support extrusion L12-10

Standard length 4400 mm L12-10-4.4M

Shaft support extrusion L12-10

Cut to length L12-10-02-02/...

echn	ical	data	

Ix	=	5400.00 cm <sup>4</sup>
Iy	=	107.00 cm⁴
Wx	=	308.00 cm <sup>3</sup>
Wy	=	123.20 cm <sup>3</sup>
Cross-section area	=	37.40 cm <sup>2</sup>
Weight	=	10.13 kg/m

Order data	Order number

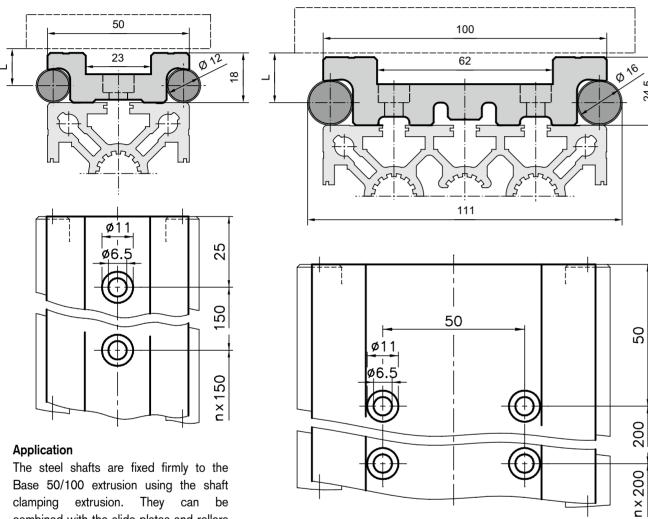
Shaft support extrusion L16-15

Standard length 5800mm L16-15-5.8M

Shaft support extrusion L16-15

Cut to length L16-15-02-02/...

### Shaft clamping extrusions



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

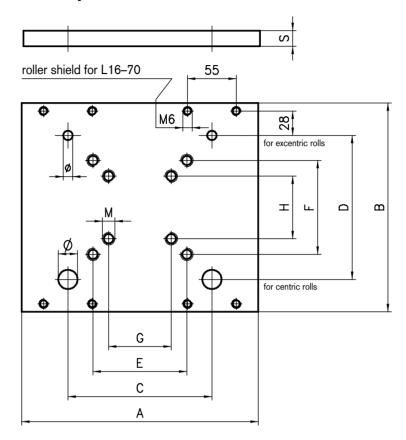
Order data	Order number
Shaft clamping extrusion	<b>50 mm base</b>
Standard length 6000 mm	L12-05-6M
Cut to length	L12-05-02-02/
Shaft clamping extrusion	100 mm base
Standard length 6000 mm	L16-05-6M
Cut to length	L16-05-02-02/



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	L12-06-6M
Cut to length	L12-06-02-02/
Steel clamping extr., compl.	100 mm base
Standard length 6000 mm	L16-06-6M
Cut to length	I 16-06-02-02/

### Slide plates



Order data	Order number	So	cope of supply of L12-70	
Slide plate cpl. to shaft clamping extrusion L12-05	L12-70	3	1 plate 2 centric rollers 2 excentric rollers 2 slide plates for	L12-30 L12-25 L12-26
The grease scrapers on the sl attached on the side with brack		5	grease scraper 4 grease scraper	L16-43

								ir	ncludin	g fixing	kit.		L12-46	
Measu	remer	ıt dat	а											
Slide plat	es to sl	naft cla	amping	g extru	ısion									
Rase	Δ	R	C	D	F	F	G	н	M	c	a	a	Weight	ł

30 30 12 12 10

15 20 0.6 kg

17 2.9 kg

60 60

300 240 200 158 100 100 50 50 8

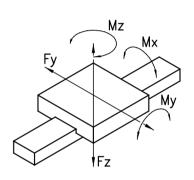
Order data	Order number	Sc	cope of supply of L16-70	)
		1	1 plate	L16-31
Slide plate cpl. to shaft		2	2 centric rollers	L16-25
clamping extrusion L16-05	L16-70	3	2 excentric rollers	L16-26
		4	4 grease scraper	
			including fixing kit.	L16-45

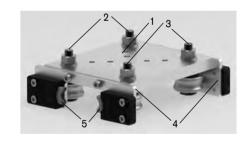
#### Application

The slide plate completes the desired linear guide. It is characterized by its high load capacity.

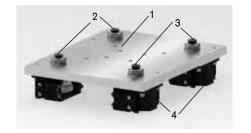
### Specification

Aluminium, raw





static [N/Nm] dynamic [N/Nm] F<sub>y</sub> F<sub>z</sub> M<sub>x</sub> M<sub>y</sub> 3000 1920 35 55  $\mathbf{F_y} \quad \mathbf{F_z}$ M<sub>z</sub> 90 3000 1200 22 34 90 7200 3400 105 160 600 7200 2100 65 100 600



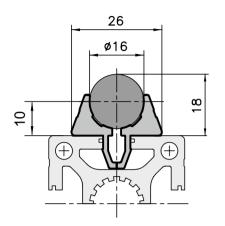
50

100

150 130 110 89

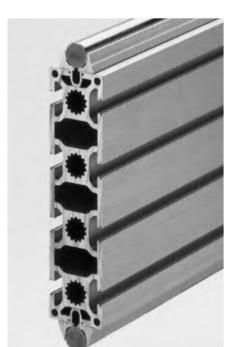
# Shaft clamping extrusions 2-part Ø16

# Shaft clamping extrusions Ø12



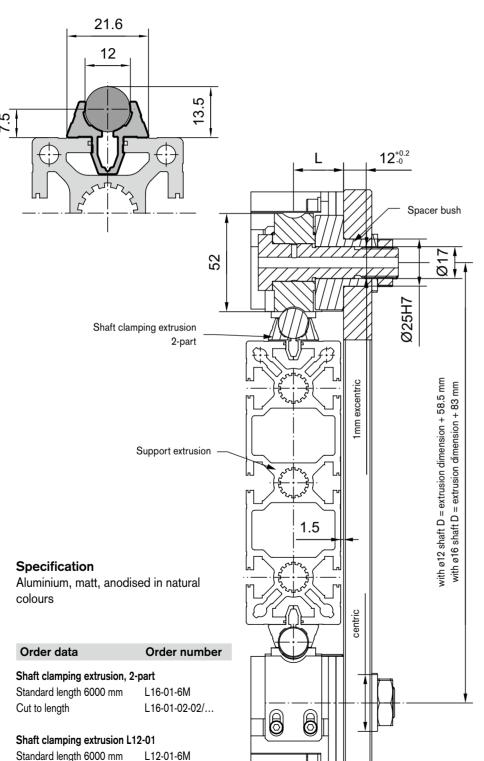
### **Application**

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 218 which are also required.

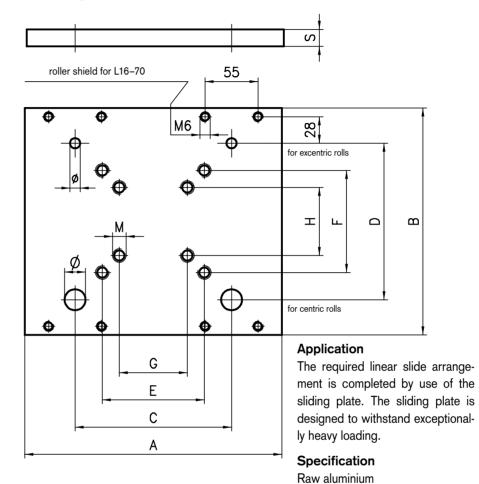


Cut to length

L12-01-02-02/...



### Slide plates



### Measurement data

Slide plates to shaft clamping extrusion 2-part  $\,$ Ø16 L16-01

Size	Α	В	С	D	Ε	F	G	Н	M	s	Ø	Ø	Weight
50x150	350	310	250	233	150	150	75	75	8	15	*	*	4.3 kg
40x160	350	320	250	243	150	150	75	75	8	15	*	*	4.5 kg
Slide plate	es to sha	aft clar	mping	extrus	ion L1	2-01							
Size	Α	В	С	D	Ε	F	G	Н	M	s	Ø	Ø	Weight
50x150	350	300	250	208.	5 150	150	75	75	8	15	12	10	4.2 Kg
40x160	350	310	250	218	5 150	150	75	75	8	15	12	10	4 4 Ka

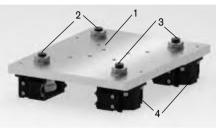
\*Drill according to sectional view on page 210.

Load details must be requested separately due to the selected support extrusion.

Or	der	data

Support type	L16-01 (ø16)	L12-01 (ø12)
Support extrusion		
50x150	L16-71	L12-71
40x160	L16-72	L12-72

Further support extrusion and slide plates on request.



- 4	4
Order data	Order number
To extrusion 50x150mm ø16	

Sli	de plate cpl.	L16-71
Pa	rts supplied	
1	1 plate	L16-35
2	2 centric rollers	L16-27
3	2 excentric rollers	L16-28
4	4 roller cover	L16-45
	with grease scraper an	nd fixina kit.

Sli	L16-72	
Pa	rts supplied	
1	1 plate	L16-34
2	2 centric rollers	L16-21
3	2 excentric rollers	L16-22
4	4 roller cover	L16-45
	with grease scraper and f	xing kit.

To extrusion 40x160mm ø16

Slic	de plate cpl.	L12-71					
Par	ts supplied						
1	1 plate	L12-35					
2	2 centric rollers	L12-27					
3	2 excentric rollers	L12-28					
4	4 roller cover	L12-47					
	with grease scraper and fixing kit.						

To extrusion 40x160mm ø12

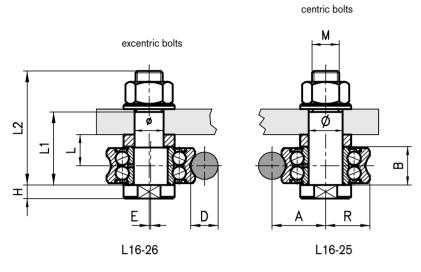
To extrusion 50x150mm ø12

Slic	ie plate cpl.	L12-72								
Par	Parts supplied									
1	1 plate	L12-34								
2	2 centric rollers	L12-21								
3	2 excentric rollers	L12-22								
4	4 roller cover	L12-47								
with grease scraper and fixing kit.										

**Grease scraper** 

support

### **Rollers**



#### Rollers for bar Ø16

L = 18.5 for shaft clamping extrusion	L16-25	L16-26
L = 21.5 2-part shaft clamping extrusion base 40 L12-01	L16-21	L16-22
L = 26.5 2-part shaft clamping extrusion base 50 L16-01	L16-27	L16-28

Mea	Measurement data										Load ra	iting	
D	Α	В	Ε	Н	L1	L2	M	R	Ø	Ø	Weight	dyn.	stat.
ø12	21.75	15.9	0.75	5	29	45	M10x1.5	17.5	12H7	10H7	0.15 kg	8400 N	5000 N
ø16	31.5	22.6	1.0	8	44	67	M16x1.5	26	20H7*	17H7	0.42 kg	16800 N	9500 N

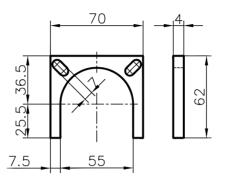
<sup>\*</sup> Counter sunk drilling

Order data	Order num	ber
Roller for bar Ø12 L12-35	centric	eccentric
L = 14	L12-25	L12-26
Roller for base 40	L12-21	L12-22
Roller for base 50	L12-27	L12-28
Roller for bar Ø16 L16-35		
L= 18.5 to shaft clamping extrusion	L16-25	L16-26
L= 21.5 to shaft clamping extrusion two-part base 40 L12-01	L16-21	L16-22
L= 26.5 to shaft clamping extrusion two-part base 50 L16-01	L16-27	L16-28

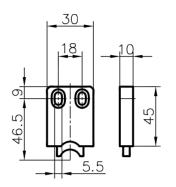




# Spacer for the roller shield

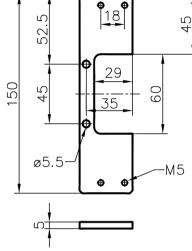


## Grease scraper



### Scope of supply

1 grease scraper 2 cycl. screws M5 x 12





### 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



#### **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



#### Application

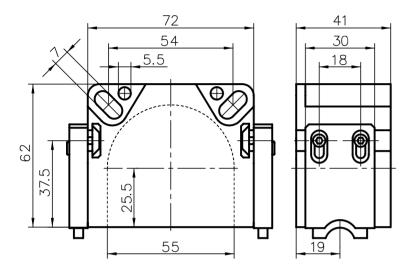
The support fits on the slide plate base 50 (L12-70). Together with the grease scraper the slide for a small linear guide is complete.

#### Specification

Aluminium, anodised in natural colours

Order data	Order number	Order data	Order number
Grease scraper Ø 16	L16-46	Support for grease scraper	L16-43
Grease scraper Ø 12	L12-46	11 3 1	

### Roller cover cpl. Ø16mm / Ø12mm



#### **Application**

This cover offers protection against dust and other contamination. The lateral grooves are envisaged to affix the oil strippers.

#### **Specification**

PA-GF, black

### Scope of supply

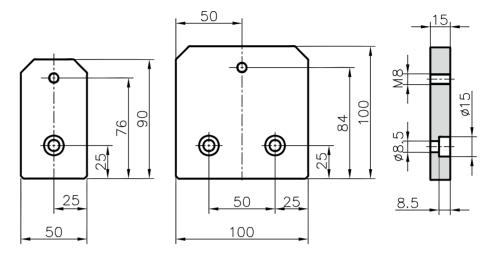
- 1 roller cover
- 2 grease scraper
- 4 cyl. screws
- 4 threaded plates

Weight: ca. 0.05 kg

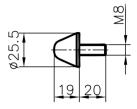
Order data	Order number
Roller cover cpl. for Ø16 shaft	L16-45
Roller cover cpl. for Ø12 shaft	L16-47



### End stop



### **Buffer**







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.



Aluminium, anodised in natural colours





#### Application

For use as an end stop for linear guides

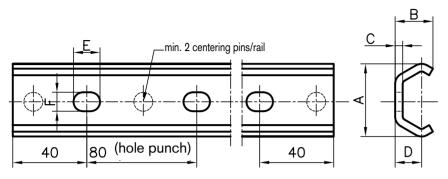


rubber, highly deformable

Order data	Order number
Buffer	L16-50



### C-guide rails



Measurement data										
Size	Α	В	С	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**

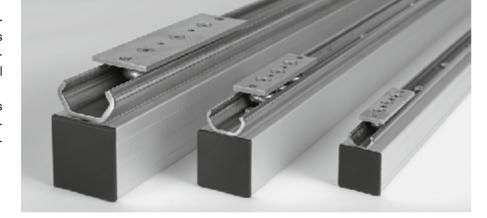
The guide rail can be subjected to high loads thanks to its optimum shaping. It is screwed directly onto the structure extrusions. Centering pins align the rail parallel with the extrusion.

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

## Specification

Stainless steel

Cut to length

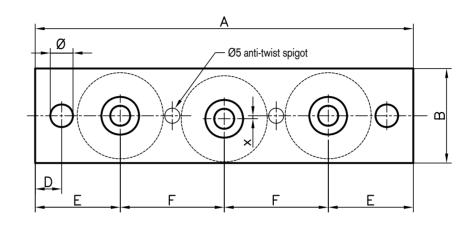


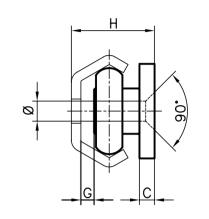
Order data	Order number
Size 20 Standard length 4000 mm Cut to length	L20-01-4M L20-01-02-02/
Size 30 Standard length 4000 mm Cut to length	L30-01-4M L30-01-02-02/
Size 45 Standard length 6080 mm	L45-01-6.08M

L45-01-02-02/...



### **Slides**





Measur	Measurement data											
Size	Α	В	С	D	Ε	F	G	Н	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	Frad	Fax			
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.

Order data	Order number
Slide including rollers	
Size 20	L20-20
Size 30	L30-20
Size 45	L45-20

#### 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.

### 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
- 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.

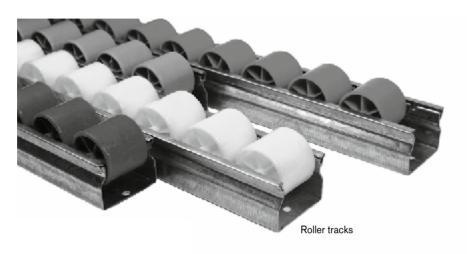
### **Technical description**

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

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

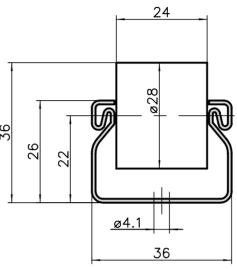
The roller tracks (one pair) can be subjected to loads as follows, according to the length - see table below.



Clamping for easy fixing of roller tracks to extrusions and tubes.

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

### Roller tracks, flat



#### **Application**

These roller tracks are ideal for use with storage and transportation racks. For lightweight transport of items, this selfsupporting 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**

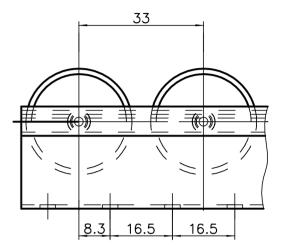
Steel rail

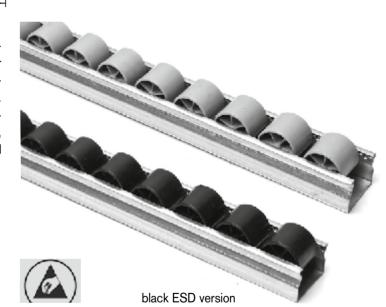
Plastic rollers with steel axes

#### **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 300 m.

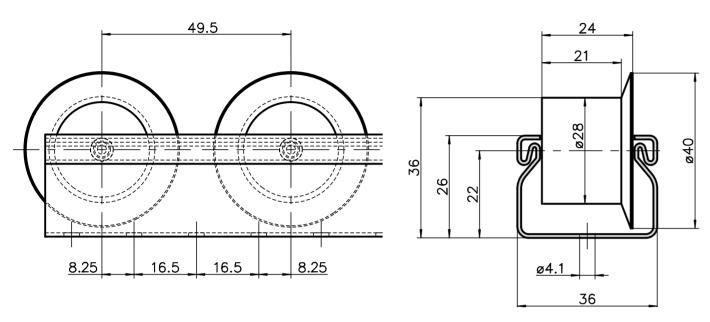




Order data	Order number
Roller track	
Standard length	L80-1-3M
Cut to length	L80-1-02-02/
ESD roller track	
Standard length	L80-1-ESD-3M
Cut to length	L80-1-ESD-02-02/

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### Roller tracks with guide flange



### **Application**

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

### **Specification**

Steel rail

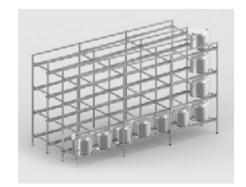
Plastic rollers with steel axes



#### **Technical description**

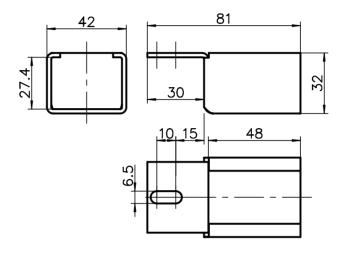
Distance between roller axes is 49.5 mm, weight: 0.9 kg/m; rollers made of polypropylene, diameter 28mm, width 25mm. ESD version with electrostatic discharge (resistance coefficient during throughput of electricity of  $28.8\Omega/\text{cm}^2$ ).

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



Order data	Order number
Roller track with guide flan	ge
Standard length	L80-2-3M
Cut to length	L80-2-02-02/
Roller track with ESD guide	e flange
Standard length	L80-2-ESD-3M
Cut to length	L80-2-ESD-02-02/

### Roller track adapter





#### Application

This roller track adapter can be screwed onto the 30/40/45/50 series base extrusions. The roller tracks are pushed in and attached to an extrusion structure.

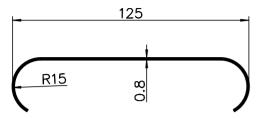
Replacing or moving them is simple.

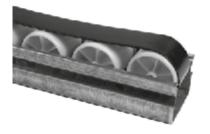




Order data	Order number		
Roller track adapter	1.80-90		

### Roller stopper



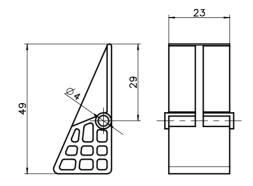


#### **Application**

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



### **Anti-return**



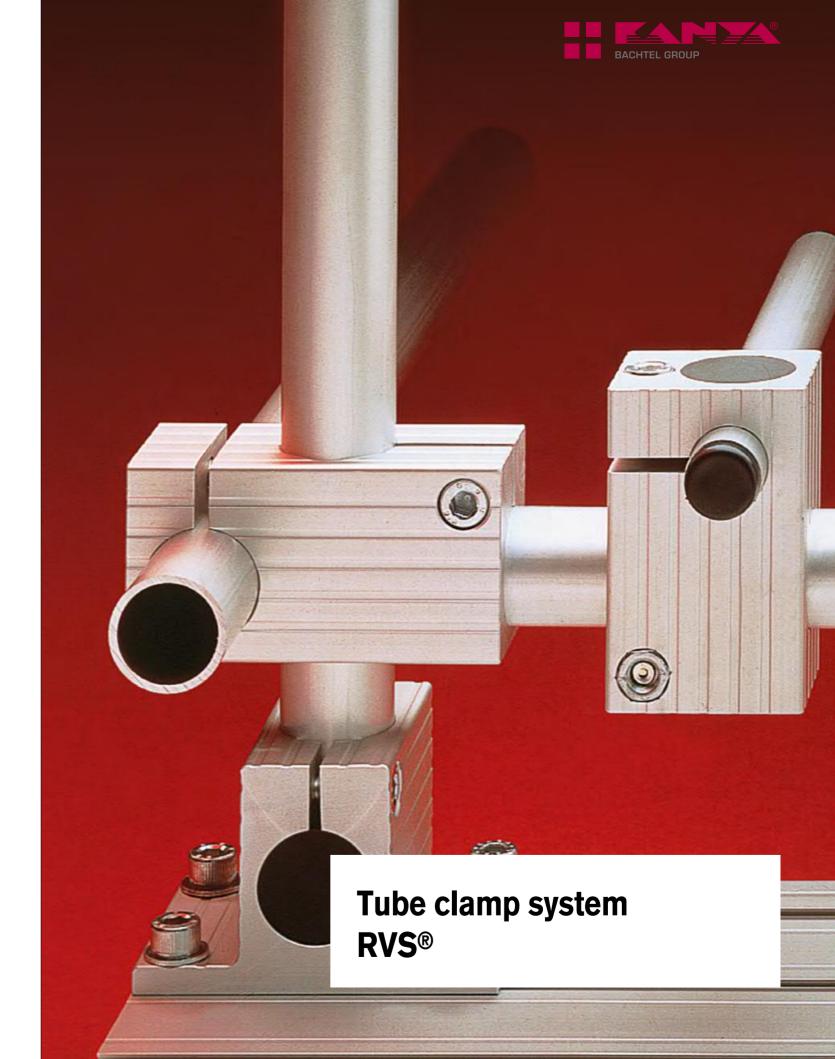


### Application

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 product can also 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



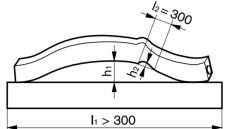


### Extrusion tolerances – extract from EN 12020-02

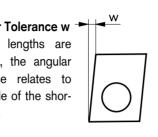
### 1. Straightness tolerances

Cavity extrusions shall not exceed the values stated in the table for straightness tolerances h1. The deviation h2 shall not exceed a maximum of 0.3 mm over any length of I2 = 300 mm.

Length I₁in m	bis 1	bis 2	bis 3
Tolerance h₁ in mm	0.7	1.3	1.8



	3. Angular				
	If side				
_	unequal,				
g	tolerance				
У	the angle				
	ter side.				



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

### 2. Distortion Tolerance v

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

Width b in mm		Flatness Tolerance v in mm				
Messurement Range		for	for lenghts in mm			
		-	over 1000	over 2000		
over	up to	bis 1000	up to 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		

b		· •	
	Diameter D/D1 in mm	<b>D</b> 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

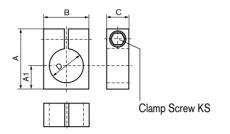
### 4. Diameter D/D1 Tolerances

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





### **Clamp Ring**

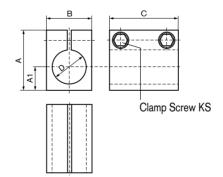




Normally used as a stop, or as a holder for limit switches or similar.

Nominal	Dimen	sions					Weight	Order number
Diameter	Α	<b>A</b> 1	В	С	D	KS	in kg	
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**





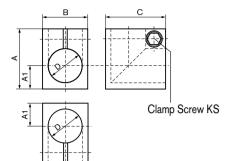
To extend tubes and as a stop for large forces.

Nominal Diameter	Dimen A	sions A1	В	С	D	KS	Weight in kg	Order number
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 230

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### **Angle Clamp**





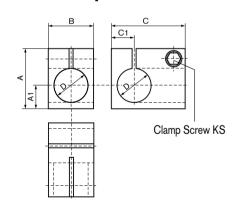
#### Use

Attractive corner joint for normal loads.

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

Nominal	Dimer		_			110	Weight	Order number
Diameter	Α	<b>A</b> 1	В	С	D	KS	in kg	
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





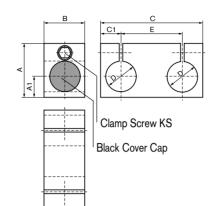
Use

Cross joints where only one tube needs to be movable.

Nominal Diameter	Dimen A	sions A1	В	С	D	KS	Weigh	t	Order number
12	24	8	16	32	12	M4	_		on request
20	36	13	30	45	13	20	M6	0.080	R02-03
30	52	20	40	65	20	30	M8	0.215	R03-03
40	62	25	50	85	25	40	M8	0.365	R04-03
50	72	30	60	105	30	50	M8	0.560	R05-03

For diameter D tolerances, see page 230

### **Parallel Clamp**



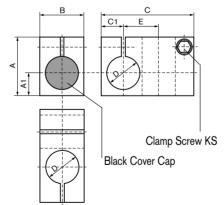


#### Use

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

Nominal	Dimen	sions							Weight	Order Number
Diameter	Α	<b>A</b> 1	В	С	C1	D	E	KS	in kg	
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**





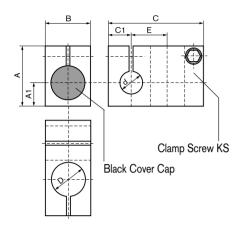
#### Use

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

Nominal	Dimer	nsions							Weight	Order Number
Diameter	Α	A1	В	С	C1	D	E	KS	in kg	
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 230

### Cross Clamp with different Ø





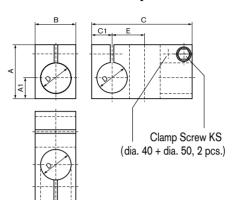
#### Use

This is the most frequently used clamp. It can hold two freely movable tubes, offset at  $90^{\circ}$ .

Nominal	Dime	ensions								Weight	Order Number
Diameter	Α	A1	В	С	C1	D	d	E	KS	in kg	
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 230

## **Cross T-Clamp**





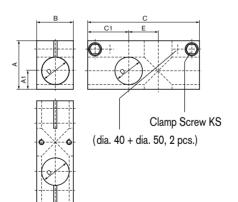
#### Use

Tubes can exit from this clamp in three directions, but only the same two tubes as in the Cross Clamp (page 233) pass all the way through the joint.

Nominal	Dimer	nsions							Weight	Order Number
Diameter	Α	A1	В	С	C1	D	E	KS	in kg	
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 *

<sup>\*</sup> on request

### **Universal Clamp**





#### Use

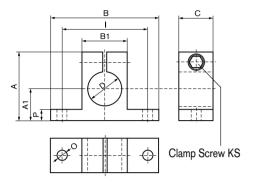
As its name implies, the four tube exits on this joint make it suitable for universal use.

Nominal	Dimer	nsions							Weight	Order Number
Diameter	Α	<b>A</b> 1	В	С	C1	D	E	KS	in kg	
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 *
50	72	30	60	202	75	50	52	M8	1.025	R05-11 *

\* on request

For diameter D tolerances, see page 230

## **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.



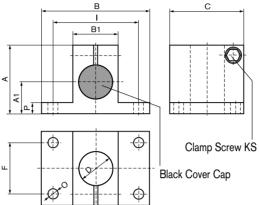
Nominal	Dime	nsions									Weight	Order Number
Diameter	Α	A1	В	B1	С	D	- 1	0	Р	KS	in kg	
12	28	12	35	16	15	12	25	6	4	M4	0.015	R01-60
15	45	22	65	30	20	15	50	7	8	M6	0.088	R15-60
20	45	22	65	30	20	20	50	7	8	M6	0.080	R02-60
30	60	28	95	40	30	30	75	9	8	M8	0.170	R03-60
40	72	35	95	50	40	40	75	9	10	M8	0.295	R04-60
50	82	40	120	60	50	50	100	9	10	M8	0.470	R05-60

### **Tube Cleat**

Nominal Diameter	Dime A	nsions A1	В	B1	С	D	ı	0	Р	KS	Weight in kg	Order Number
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 230

## **Vertical Clamp**



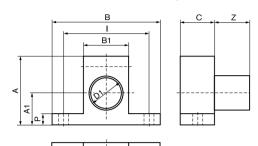


This is the elementary component for a wide variety of constructions, whether as a flange, a build-on joint or a holder.

Nominal	Dime	ensions									Weig	ht	Order Number
Diameter	Α	<b>A</b> 1	В	B1	С	D	F	I	0	Р	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 230

### **End Swivel Clamp**





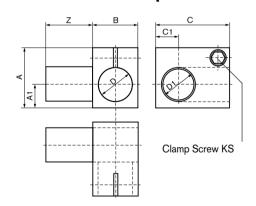
### Use

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	Dime A	ensions A1	В	B1	С	D1	ı	0	Р	z	Weight in kg	Order Number
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 *

\* on request

### **T-Swivel Clamp**





#### Use

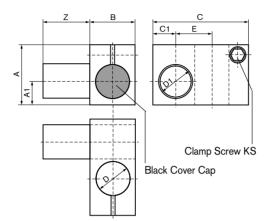
Chiefly used where tubes coming out of the joint must be swivelled in connection with all the other clamp joints.

Nominal	Dime	ensions								Weight	Order Number
Diameter	Α	<b>A</b> 1	В	B1	С	D1	I	O P	Z	in kg	
12	24	8	16	30	9	12	12	17	M4	=	on request
20	36	13	30	45	13	20	20	31	M6	0.100	R02-13 *
30	52	20	40	65	20	30	30	41	M8	0.255	R03-13 *
40	62	25	50	85	25	40	40	51	M8	0.435	R04-13 *
50	72	30	60	105	30	50	50	61	M8	0.700	R05-13 *

\* on request

For diameter D tolerances, see page 230

### **Cross Swivel Clamp**





### Use

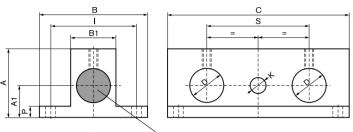
To brace structures with oblique tube connections; also used like the T-swivel clamp.

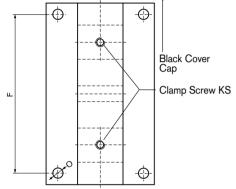
Nominal	Dime	ensions									Weight	Order Number
Diameter	Α	A1	В	С	C1	D	D1	Ε	Z	KS	in kg	
12	24	8	16	38	9	12	12	13	17	M4	-	on request
20	36	13	30	58	13	20	20	22	31	M6	0.115	R02-14 *
30	52	20	40	84	20	30	30	32	41	M8	0.275	R03-14 *
40	62	25	50	104	25	40	40	42	51	M8	0.440	R04-14 *
50	72	30	60	124	30	50	50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

\* on request

For diameter D / D1 tolerances, see page 230

## **Horizontal Support**







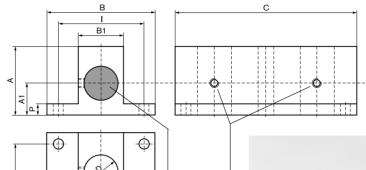
#### Use

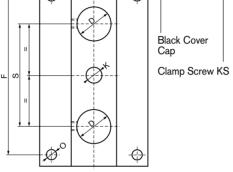
The Horizontal Support is usually needed to close off adjustable units. However, it can also be used independently as a static or dynamic clamp.

Nominal	Dim	ension	s										Weig	ht	Order Number
Diameter	Α	<b>A</b> 1	В	B1	С	D	F	1	K	0	Р	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 230

## **Vertical Clamp**







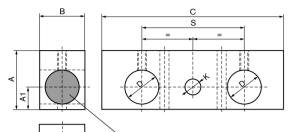
#### Use

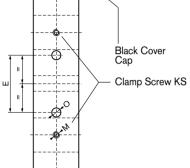
The same uses as the Horizontal Support. It can also be used as a carrier for handling equipment which needs to be rearranged simply and quickly.

Nominal Diameter		nensio	••	B1	С	D	F	ı	K	0	Р	S	Wei KS	ght in kg	Order Number
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 230

## **Universal Support**







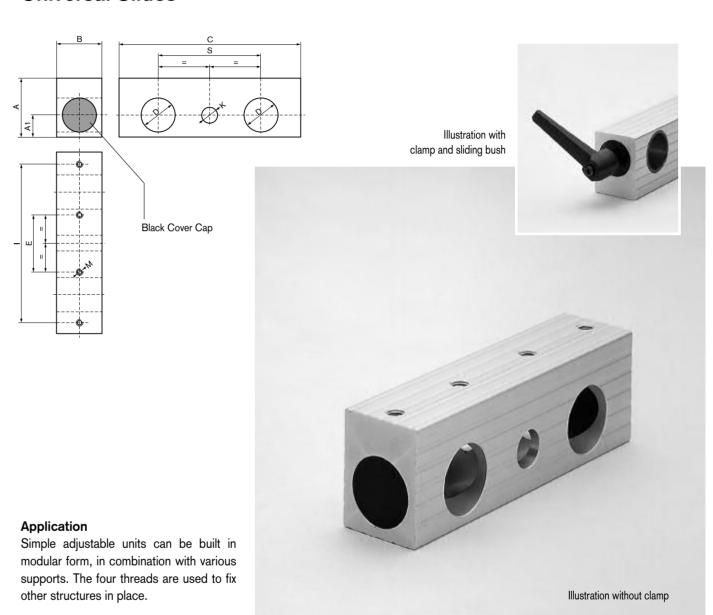
### **Application**

Same use as the horizontal and vertical support but with the advantage that this component can be used as horizontal and vertical adjustable unit.

Nominal Diameter	Dime A	ensions A1	В	С	D	E	0	K	S	KS	Weight in kg	Order Number
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 230

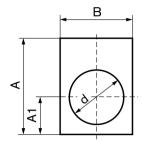
### **Universal Slides**



Nomin Diame		nensi A1	ons B	С	D	E	ì	М	K	S V	leight in ka	Order Number single-sided clamp	Order Number	Order Number without clamp
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

The slides are supplied with sliding bushes.

## **Rectangular Extrusions**



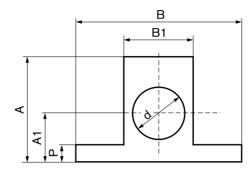


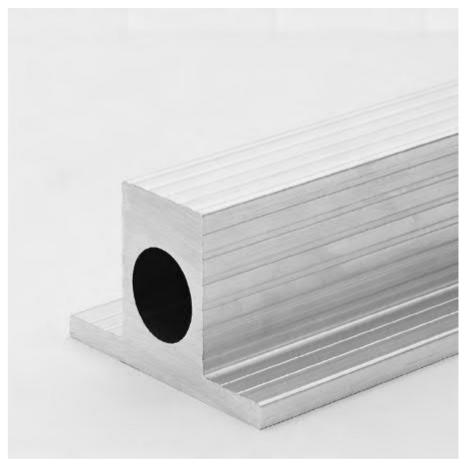
Can be supplied in warehouse length or cut to size.

Surface: untreated

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

## Flange Extrusions



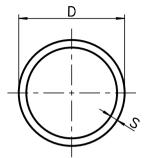


Can be supplied in warehouse length or cut to size.

Surface: untreated

Nominal	Dime	nsions					Weight	Order Number	Order Number
Diameter	Α	A1	В	B1	d	Р	kg/m	L = 3000 mm	cut to mm
12	28	12	35	16	11,0	4	1.11	R01-96-3M	R01-96-02/ mm
0	45	_	65	30	_	8	4.35	R15-94-3M	R15-94-02/ mm
20	45	22	65	30	19.0	8	3.63	R02-96-3M	R02-96-02/ mm
30	60	28	95	40	27.0	8	5.88	R03-96-3M	R03-96-02/ mm
40	72	35	95	50	39.0	10	7.63	R04-96-3M	R04-96-02/ mm
50	82	40	120	60	49.0	10	9.71	R05-96-3M	R05-96-02/ mm

### **Aluminium Tubes**





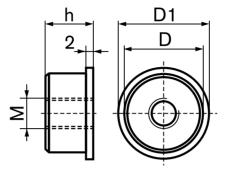
Can be supplied in warehouse length or cut to size.

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	R01-97-5M	R01-97-02/ mm
20	20 x 2	0.310	R02-97-5M	R02-97-02/ mm
30	30 x 2	0.480	R03-97-5M	R03-97-02/ mm
40	40 x 2	0.650	R04-97-5M	R04-97-02/ mm
50	50 x 3	1.210	R05-97-5M	R05-97-02/ mm

For diameter D tolerances, see page 230

## **Threaded Inserts**





For aluminium tubes.

Material: aluminium

Nominal diameter	Dimension D	ons D1	h	М	Order Number
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**

### **Application**

Variable height adjustment and level compensation.

### **Specification**

Cup: PA-GF black

Bolt/locknut: 8.8 steel, zinc-coated



Material	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 ( <b>-D</b> )*
	90	16 x 100	10000 N	B 45-01	B 45-02 ( <b>-D)</b> *

<sup>\*</sup> These versions are also available with damping components: add -D to the order number.

### Wheels

#### **Application**

Universally applicable, everywhere where mobility is required.

### Specification

Shackle: Galvanized steel, ball bearing Wheel: Rubber running wheel, ball bea-

ring

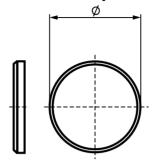


Wheel	Ø	wide	hight	Thread dia. / M x L	Order number without brake	Order number with brake
Wheels	50	18	70	Ø 10,3	B 48-50	B 49-50
Wheels	75	25	97	Ø 10,3	B 48-75	B 49-75
Wheels	100	32	132	Ø 10,3	B 48-100	B 49-100
Wheels	100	32	132	M 16 x 25	A 48-100	A 49-100
Wheels	125	32	158	Ø 10,3	B 48-125	B 49-125
Wheels	125	32	158	M 16 x 25	A 48-125	A 49-125

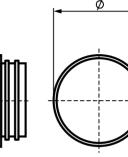
Other dimensions and conductive wheels can be supplied on request.

The complete range with more information can be found on page 167.

### **Plastic Caps**









For Tube Clamps

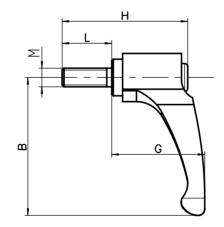
For Aluminium Tubes

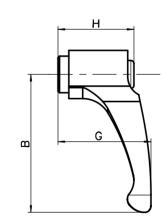
Nominal diameter	Order Number
20	R10-20
30	R10-30
40	R10-40
50	R10-50

R10-40	
R10-50	

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
М	В	G	Н	L	
M6	45	29	25	_	R65-60
M6	45	29	25	16	R65-62
M6	45	29	25	32	R65-63
M8	63.5	38	31	-	R65-80
M8	63.5	43.5	38.5	20	R65-82*
M8	63.5	38	31	40	R65-84
M8	63.5	38	47	16	R65-81

<sup>\*</sup>Lever: plastic

**KANYA KANYA** 248 249

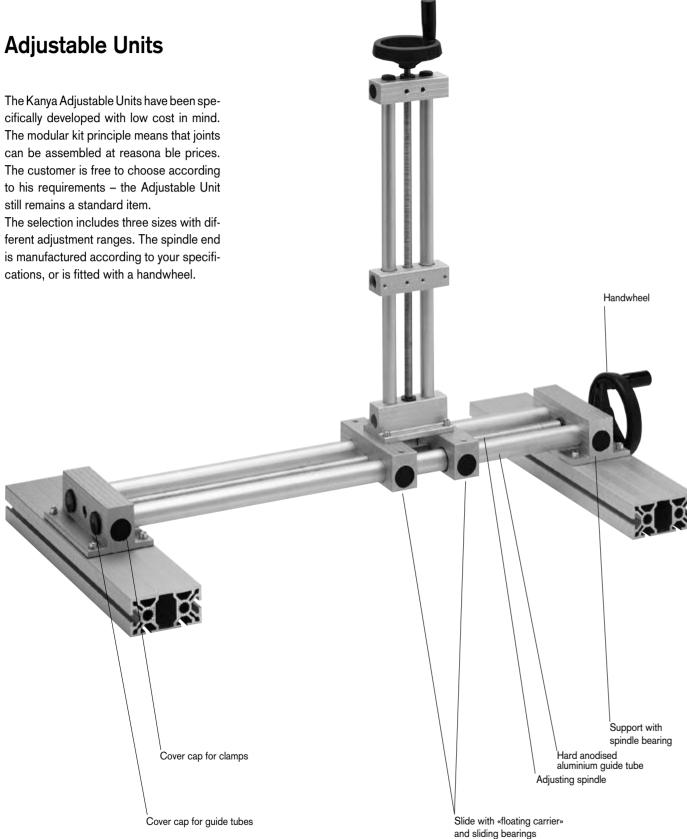
The tube clamp units are generally supplied with plastic caps.





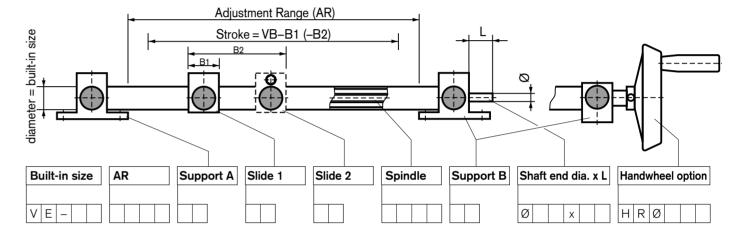
cifically developed with low cost in mind. The modular kit principle means that joints can be assembled at reasona ble prices. The customer is free to choose according to his requirements - the Adjustable Unit still remains a standard item.

cations, or is fitted with a handwheel.



### **Ordering Information**





### Examples:

V E - 2 0 1 2 5 0 9 0	3 1		M 12 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	

Warehou	se 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

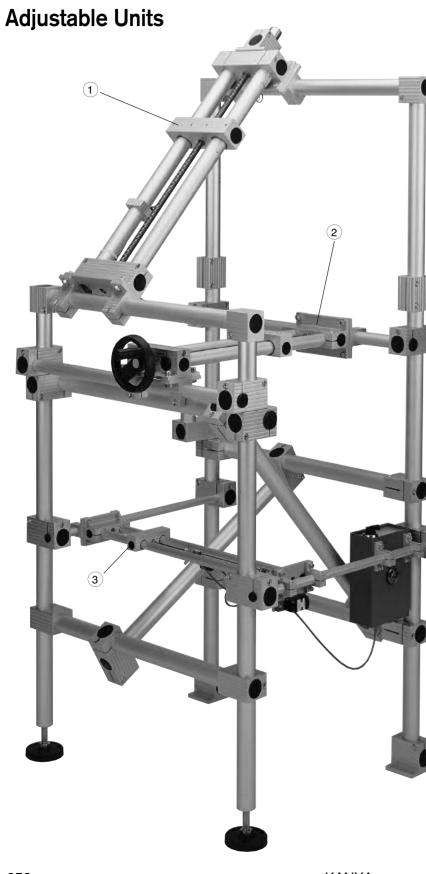
See pages 221 - 224 for measurement information on the Supports and Slides Other diameter and inclinations on request

Kanya supplies the Adjustable Units fully assembled.

Please enquire about additional items which we are able to supply.

Note Adjustable Units:

VE20 up to 900 mm 1200 mm VE30 up to VE40 up to 1500 mm



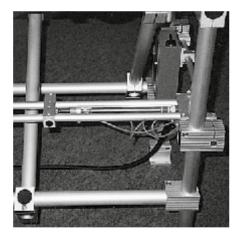
#### Use

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.

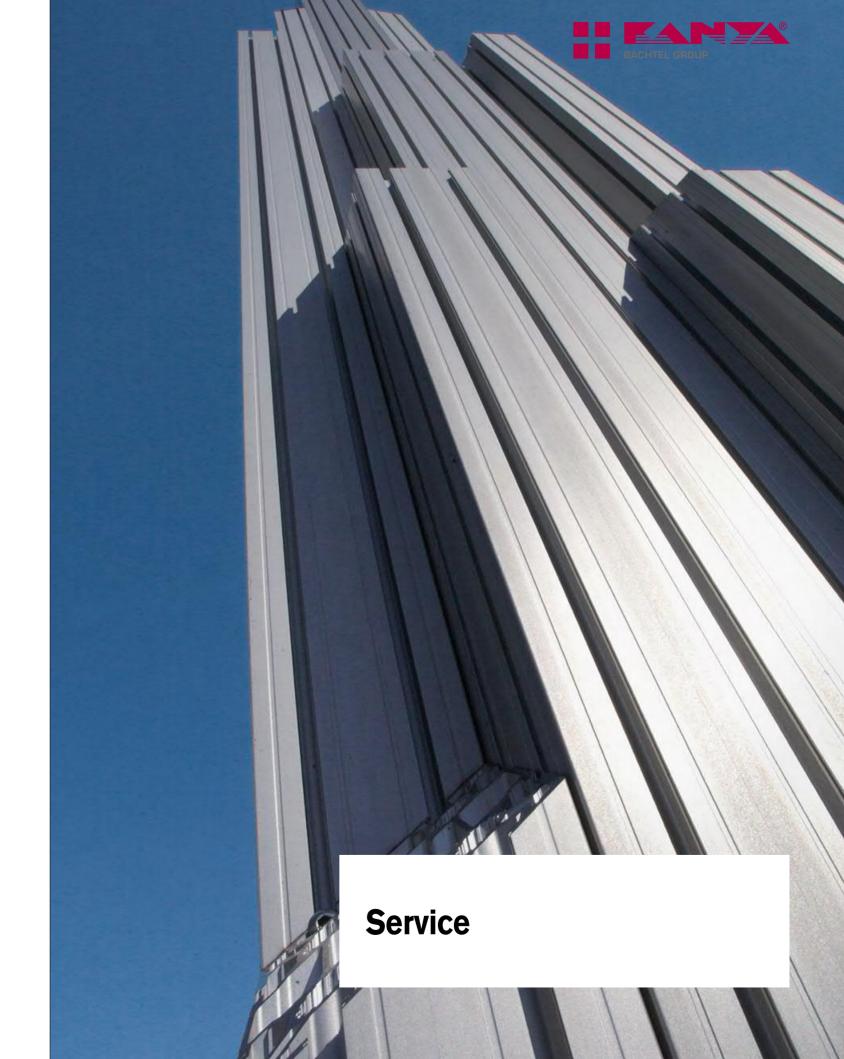
Mechanical engineering, automation, laboratories, photographic studios, table adjustments, etc.

#### Versions

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



... or to your specifications.





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