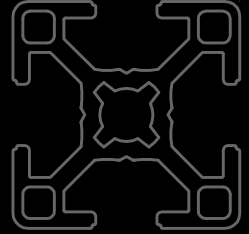
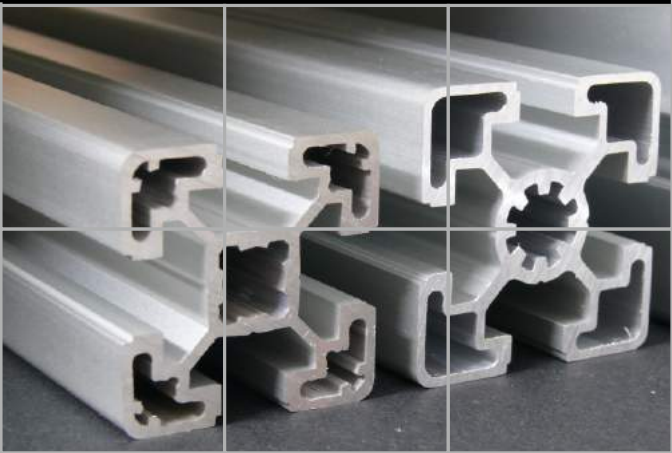
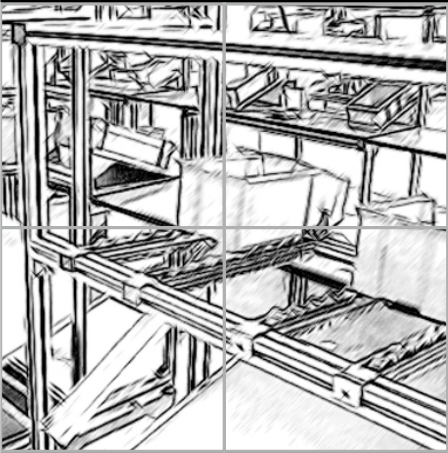


**ALSTRUT**  
POSSIBILITIES UNLIMITED



# Product Catalog



Aluminium Profile System



Design for

## **Assembly Flexibility Aesthetics Strength**

Alstrut provides assembly technology solutions to manufacturing industries in India.

Starting with modest beginnings, Alstrut is a pioneering Indian company to offer a range of aluminum profiles and accessories.

Over the years, Alstrut has grown its product offerings, now providing a comprehensive range of components for various industrial applications.

Alstrut project engineers and design engineers are willing to visit the customers site to understand their requirements and suggest customized solutions.

To serve the customers better, Alstrut has opened offices across India with sales & design engineers present in major cities.

In Alstrut, you would find a reliable partner, committed to support you on your challenging projects and applications.

**Struts** are members, designed to relieve loads in various engineering applications. Specially extruded aluminium profiles have been designed to deliver maximum strengths when used in such applications.

**Alstrut**, the term coined to indicate aluminium struts, offers a wide range of profiles with high dimensional precision that can be used for building different types of structures. All Alstrut profiles follow three **standard groove dimensions** - 6mm, 8mm, 10mm.

Standardization in the design of the Alstrut profiles, supplemented with a wide range of accessories that are designed to mate with these profiles, facilitates quick assembly of structures. The flexible modular construction enables quick modification and reusability.

The surface of Alstrut profiles has been specially anodized to minimize scratches, eliminating the need for surface finishing on completion of assembly.

'Design for Assembly', 'Design for Flexibility', 'Design for Aesthetics', 'Design for Strength' have been integrated into the development of Alstrut profiles and accessories.

Alstrut is the perfect choice not only for machine building applications, but also for maintenance and utility requirements.

Alstrut helps you build machines, structures and workplaces of international quality, enabling you to concentrate on your core technical strengths.

**ALSTRUT**  
POSSIBILITIES UNLIMITED



## Catalogue Reference

**Profile Types** | 20 mm, 30 mm, 40 mm, 45 mm



Profiles with 6 mm groove / accessories compatible with this groove



Profiles with 8 mm groove / accessories compatible with this groove



Profiles with 10 mm groove / accessories compatible with this groove



Pack quantity



Weight (g - grams; kg - kilograms)



Refer to page number specified

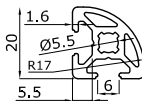
**2 252 4801**

Part number

Alstrut profiles are delivered in standard sizes to minimize wastage. however they can be customized and cut to requirement.

**1 121 3600-xxxx**

'xxxx' indicates required cut size in mm (ex: 0700 indicates 700mm)



All measurements in mm

**Disclaimer:**

- \* Information contained, dimensions specified and products listed in this catalog is subject to change.
- \* All weights and dimensions are approximate.
- \* Actual products may vary from the pictures displayed.
- \* All dimensions are in metric system unless stated otherwise.

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2014/03

1

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2

Joining Elements

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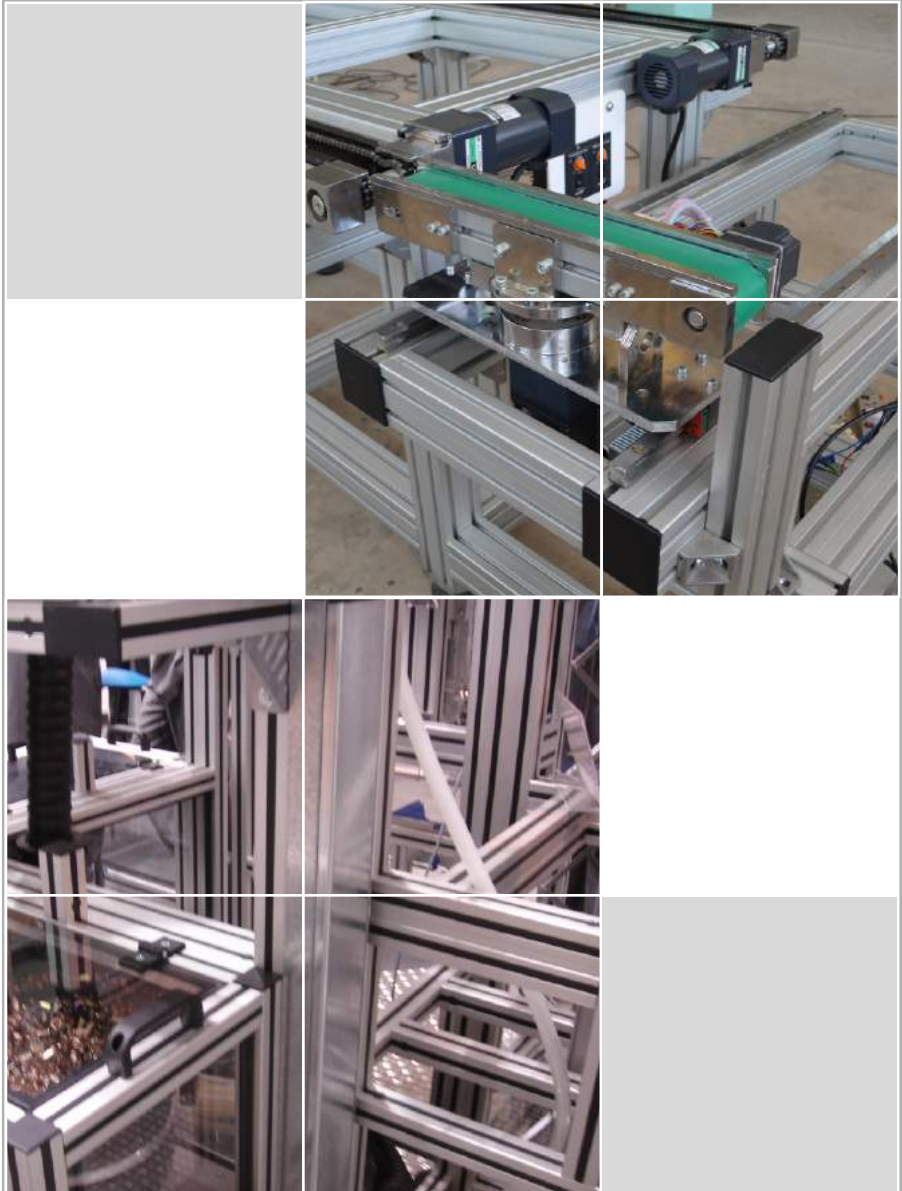


## Applications

**Machine Frames**  
**Enclosures**  
**Work Tables**  
**Assembly Lines**  
**Conveyors**  
**Flexible Conveyors**  
**Transfer Systems**  
**FIFO Racks**  
**Trolleys**



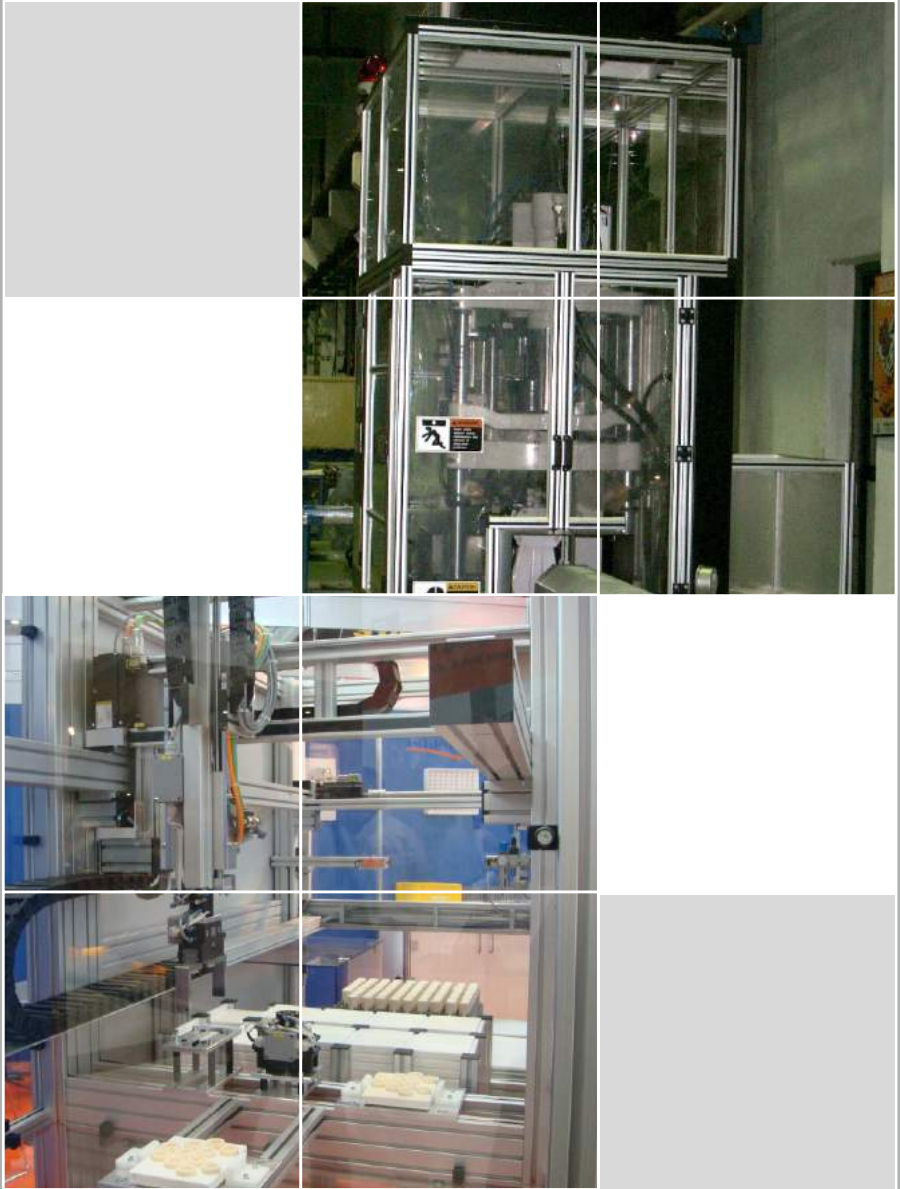
## Machine Frames



Machine Frames

Applications

## Enclosures

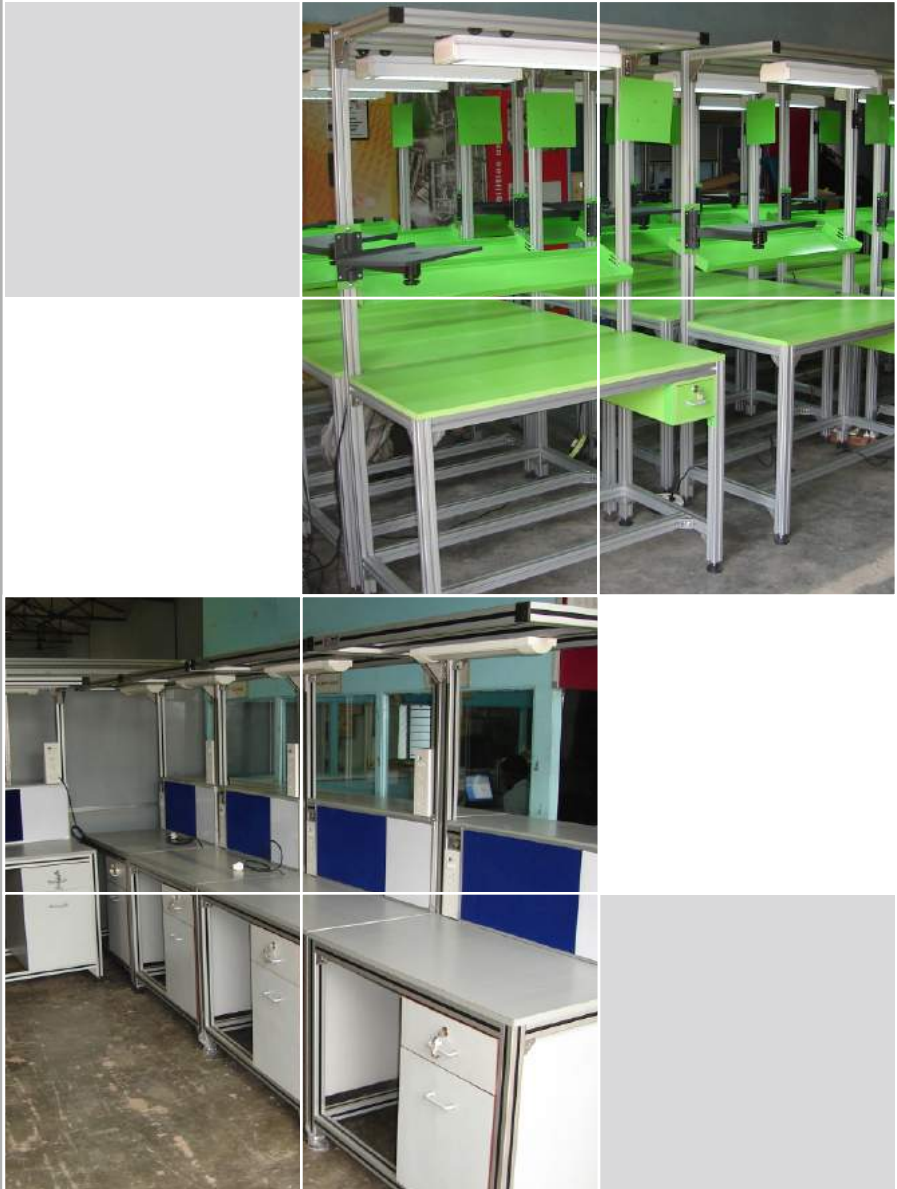


Applications Enclosures

## Work Tables



## Work Tables



Applications Work Tables



## Assembly Lines



Applications  
Assembly Lines

Applications

## Assembly Lines



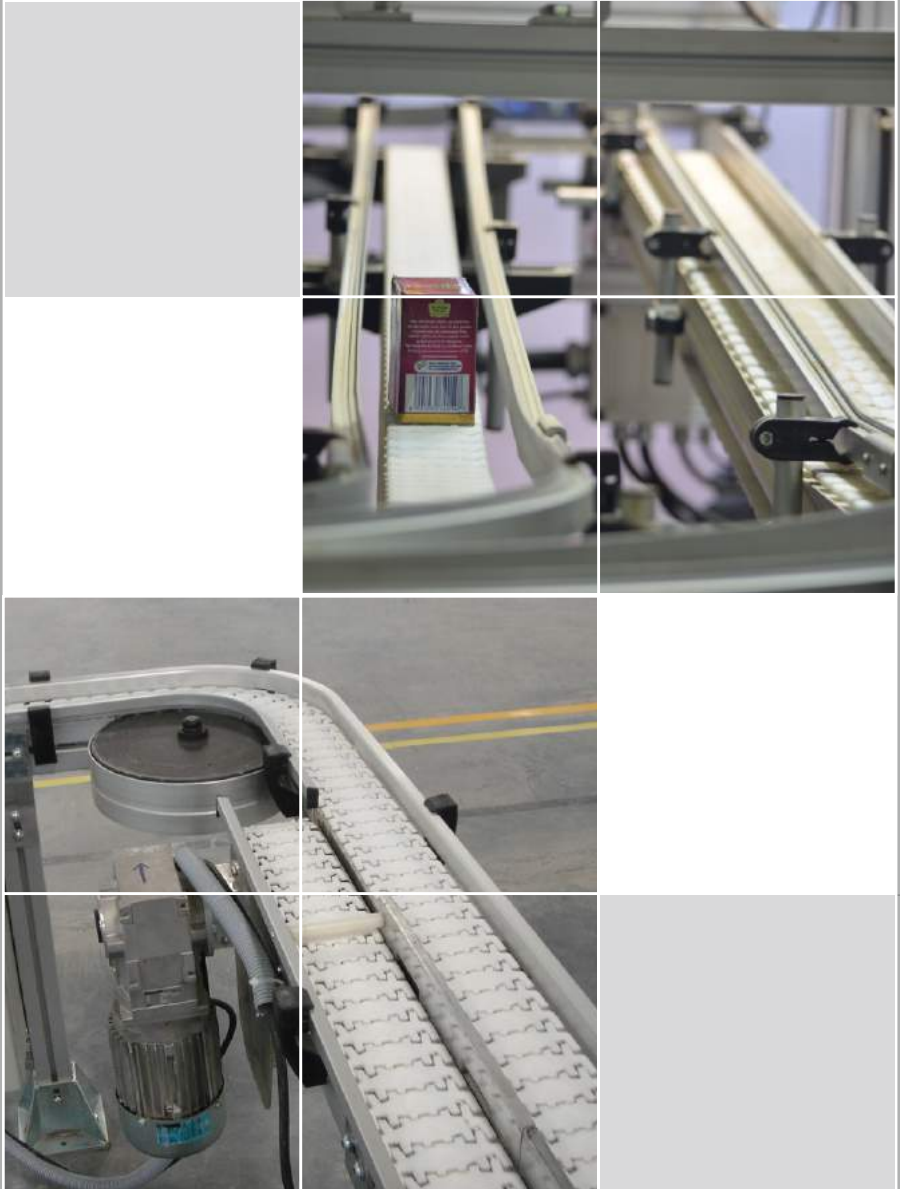
Applications Assembly Lines

## Conveyors



## Flexible Conveyors

Applications Flexible Conveyors



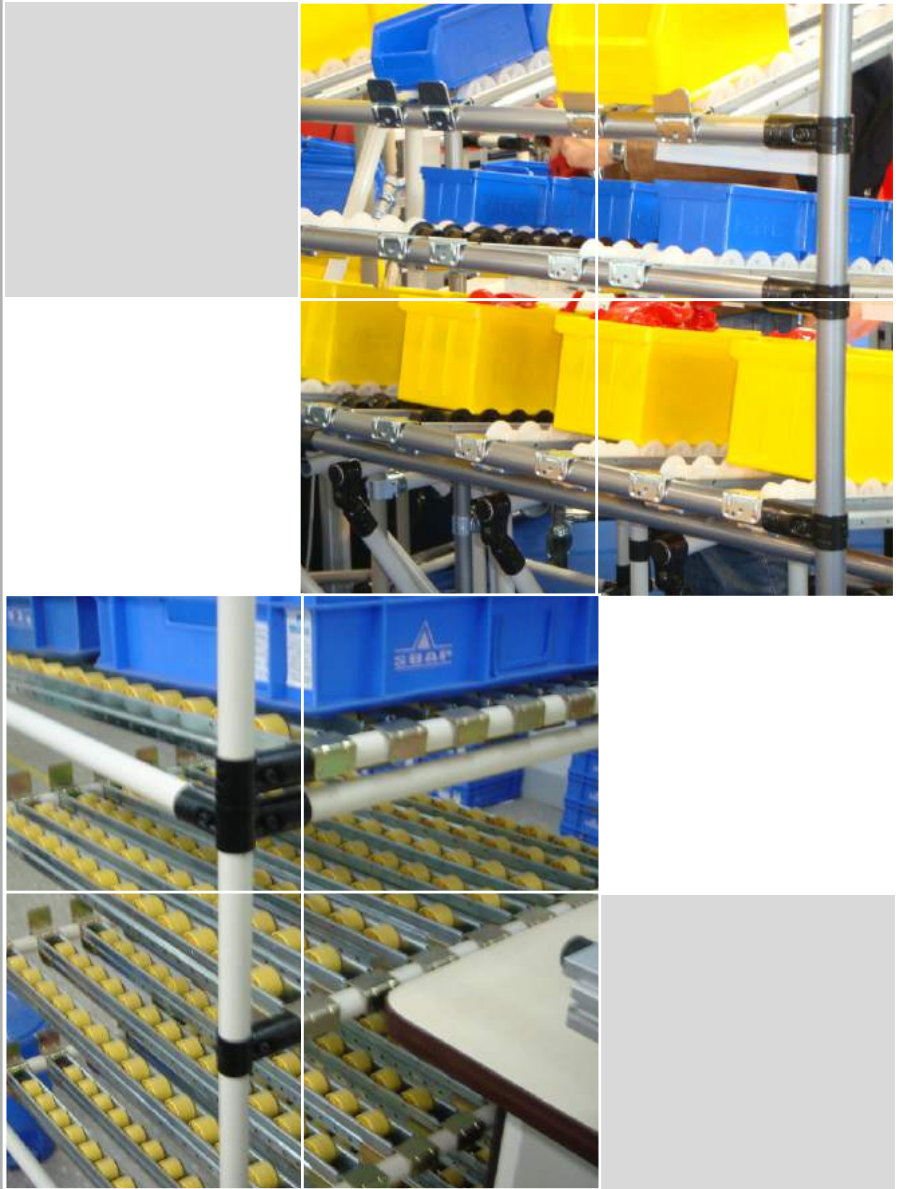
## Transfer Systems



Transfer Systems

Applications

## FIFO Racks



Applications **FIFO Racks**

## Trolleys







# Aluminium Profiles

1

**Groove 6**  
**Groove 8**  
**Groove 10**  
**Cover Profile 6**  
**Cover Profile 8**  
**Cover Profile 10**  
**End Cap**  
**Technical Data**



## Alstrut Profile 20x20



### Description

profile with 6mm groove  
suitable for making enclosures,  
racks and other light weight  
applications

### Material

aluminium alloy, 6063-T6

### Color

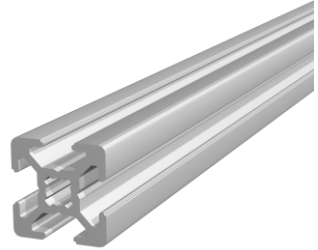
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

0.43 kg/m



1

### Moment of Inertia $I_x$

0.70  $\text{cm}^4$

### Moment of Inertia $I_y$

0.70  $\text{cm}^4$

### Section Modulus $W_x$

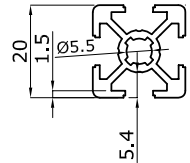
0.70  $\text{cm}^3$

### Section Modulus $W_y$

0.70  $\text{cm}^3$

### Surface Area A

1.60  $\text{cm}^2$



**1 121 2002**

Alstrut Profile 20x20

3.1 m



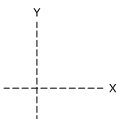
1.33 kg



9

**1 121 2000-xxxx\*** Alstrut Profile 20x20

cut to size



\* xxxx Indicates length in mm

## Alstrut Profile 20x20R



1

### Description

profile with 6mm groove suitable for making enclosures, racks and other light weight applications

### Material

aluminium alloy, 6063-T6

### Color

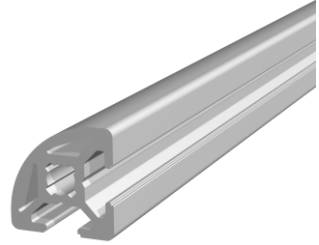
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

0.43 kg/m



### Moment of Inertia $I_x$

0.60  $\text{cm}^4$

### Moment of Inertia $I_y$

0.60  $\text{cm}^4$

### Section Modulus $W_x$

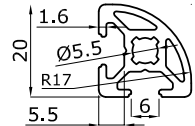
0.50  $\text{cm}^3$

### Section Modulus $W_y$

0.50  $\text{cm}^3$

### Surface Area A

1.60  $\text{cm}^2$



Groove 6

Aluminium Profiles

**1 121 2102**

Alstrut Profile 20x20R

3.1 m



1.33 kg

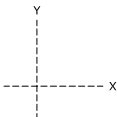


9

**1 121 2100-xxxx\***

Alstrut Profile 20x20R

cut to size



\* xxxx Indicates length in mm

## Alstrut Profile 30x30



### Description

profile with 8mm groove suitable for making enclosures, racks light duty work tables and other light weight applications

### Material

aluminium alloy, 6063-T6

### Color

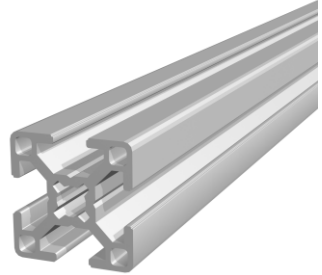
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

0.85 kg/m



1

### Moment of Inertia $I_x$

2.70  $\text{cm}^4$

### Moment of Inertia $I_y$

2.70  $\text{cm}^4$

### Section Modulus $W_x$

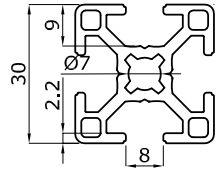
1.80  $\text{cm}^3$

### Section Modulus $W_y$

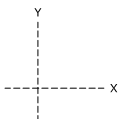
1.80  $\text{cm}^3$

### Surface Area A

2.33  $\text{cm}^2$



<b>1 121 3001</b>	Alstrut Profile 30x30		5.70 m	$\bar{w}$	4.84 kg	$\odot$	4
<b>1 121 3003</b>	Alstrut Profile 30x30		3.00 m	$\bar{w}$	2.55 kg	$\odot$	9
<b>1 121 3005</b>	Alstrut Profile 30x30		2.85 m	$\bar{w}$	2.42 kg	$\odot$	9
<b>1 121 3000-xxxx*</b>	Alstrut Profile 30x30		cut to size				



\* xxxx Indicates length in mm

## Alstrut Profile 30x30-3N



### Description

profile with 8mm groove  
suitable for making enclosures,  
racks light duty work tables  
and other light weight  
applications

### Material

aluminium alloy, 6063-T6

### Color

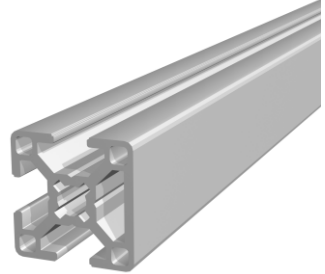
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

0.80 kg/m



### Moment of Inertia $I_x$

2.70  $\text{cm}^4$

### Moment of Inertia $I_y$

2.70  $\text{cm}^4$

### Section Modulus $W_x$

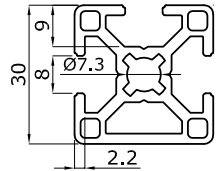
1.80  $\text{cm}^3$

### Section Modulus $W_y$

1.80  $\text{cm}^3$

### Surface Area A

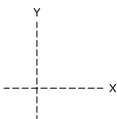
2.33  $\text{cm}^2$



Groove 8

Aluminium Profiles

<b>1 121 3101</b>	Alstrut Profile 30x30-3N		5.70 m		$\bar{w}$ 4.84 kg	$\odot$ 4
<b>1 121 3105</b>	Alstrut Profile 30x30-3N		2.85 m		$\bar{w}$ 2.42 kg	$\odot$ 9
<b>1 121 3100-xxxx*</b>	Alstrut Profile 30x30-3N		cut to size			



## Alstrut Profile 30x30R



### Description

profile with 8mm groove suitable for making enclosures, racks and other light weight applications

### Material

aluminium alloy, 6063-T6

### Color

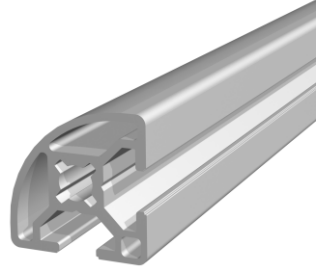
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

0.80 kg/m



1

### Moment of Inertia $I_x$

2.30  $\text{cm}^4$

### Moment of Inertia $I_y$

2.30  $\text{cm}^4$

### Section Modulus $W_x$

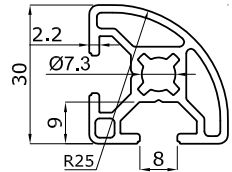
1.40  $\text{cm}^3$

### Section Modulus $W_y$

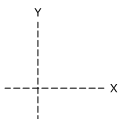
1.40  $\text{cm}^3$

### Surface Area A

2.90  $\text{cm}^2$



<b>1 121 3201</b>	Alstrut Profile 30x30R	5.70 m	$\bar{w}$ 4.56 kg	$\odot$ 4
<b>1 121 3205</b>	Alstrut Profile 30x30R	2.85 m	$\bar{w}$ 2.28 kg	$\odot$ 9
<b>1 121 3200-xxxx*</b>	Alstrut Profile 30x30R	cut to size		



\* xxxx Indicates length in mm

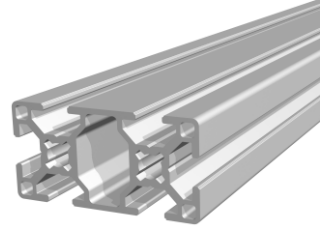
## Alstrut Profile 30x60



1

### Description

profile with 8mm groove suitable for making enclosures, racks, work tables and other medium weight applications



### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

1.50 kg/m

### Moment of Inertia $I_x$

19.70  $\text{cm}^4$

### Moment of Inertia $I_y$

5.10  $\text{cm}^4$

### Section Modulus $W_x$

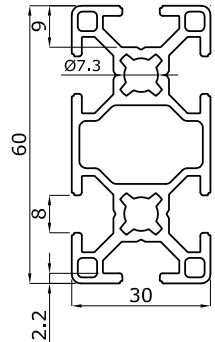
7.00  $\text{cm}^3$

### Section Modulus $W_y$

3.90  $\text{cm}^3$

### Surface Area A

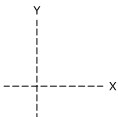
5.60  $\text{cm}^2$



Groove 8

Aluminium Profiles

<b>1 121 3601</b>	Alstrut Profile 30x60	5.70 m	$\bar{w}$ 8.55 kg	$\odot$ 4
<b>1 121 3605</b>	Alstrut Profile 30x60	2.85 m	$\bar{w}$ 4.28 kg	$\odot$ 9
<b>1 121 3600-xxxx*</b>	Alstrut Profile 30x60	cut to size		



\* xxxx Indicates length in mm



## Alstrut Profile 40x40



### Description

profile with 10mm groove suitable for making machine structures, work tables, conveyor frames and other medium weight applications

### Material

aluminium alloy, 6063-T6

### Color

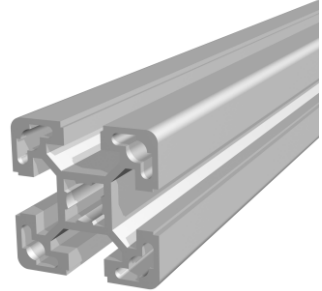
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

1.40 kg/m



1

### Moment of Inertia $I_x$

8.97  $\text{cm}^4$

### Moment of Inertia $I_y$

8.97  $\text{cm}^4$

### Section Modulus $W_x$

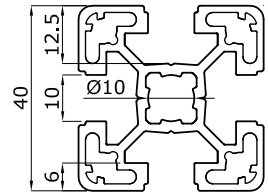
4.50  $\text{cm}^3$

### Section Modulus $W_y$

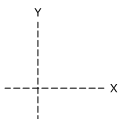
4.50  $\text{cm}^3$

### Surface Area A

5.91  $\text{cm}^2$



<b>1 121 4001</b>	Alstrut Profile 40X40	5.70 m		7.98 kg		4
<b>1 121 4003</b>	Alstrut Profile 40X40	3.00 m		4.20 kg		9
<b>1 121 4005</b>	Alstrut Profile 40X40	2.85 m		3.99 kg		9
<b>1 121 4000-xxxx*</b>	Alstrut Profile 40X40	cut to size				



\* xxxx Indicates length in mm

## Alstrut Profile 40x40R



1

### Description

profile with 10mm groove  
suitable for making enclosures  
racks and other applications

### Material

aluminium alloy, 6063-T6

### Color

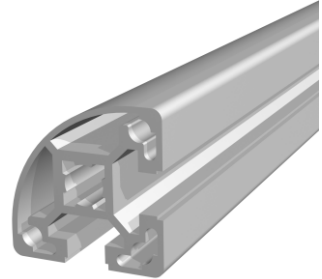
clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

1.30 kg/m



### Moment of Inertia $I_x$

7.20  $\text{cm}^4$

### Moment of Inertia $I_y$

7.20  $\text{cm}^4$

### Section Modulus $W_x$

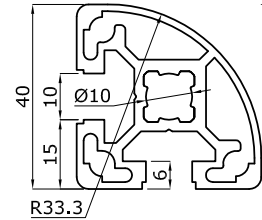
3.60  $\text{cm}^3$

### Section Modulus $W_y$

3.60  $\text{cm}^3$

### Surface Area A

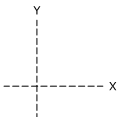
5.00  $\text{cm}^2$



Groove 10

Aluminium Profiles

<b>1 121 4201</b>	Alstrut Profile 40X40R	5.70 m		7.41 kg		4
<b>1 121 4205</b>	Alstrut Profile 40X40R	2.85 m		3.70 kg		9
<b>1 121 4200-xxxx*</b>	Alstrut Profile 40X40R	cut to size				



\* xxxx Indicates length in mm

## Alstrut Profile 40x80



### Description

profile with 10mm groove suitable for making machine base structures, medium duty trolleys, conveyors, frames for medium to heavy weight applications

### Material

aluminium alloy, 6063-T6

### Color

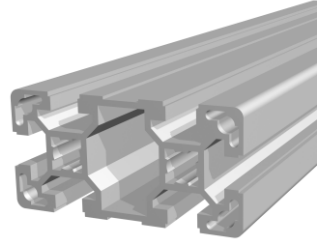
clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

2.70 kg/m



1

### Moment of Inertia $I_x$

63.00 cm<sup>4</sup>

### Moment of Inertia $I_y$

17.10 cm<sup>4</sup>

### Section Modulus $W_x$

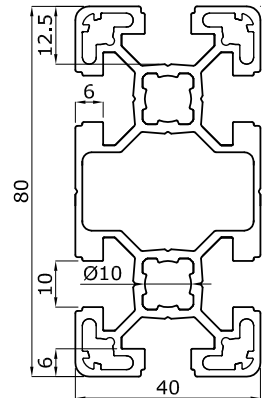
15.90 cm<sup>3</sup>

### Section Modulus $W_y$

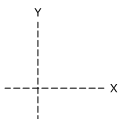
8.70 cm<sup>3</sup>

### Surface Area A

8.26 cm<sup>2</sup>



<b>1 121 4101</b>	Alstrut Profile 40X80	5.70 m	$\bar{w}$ 15.39 kg	$\odot$ 4
<b>1 121 4105</b>	Alstrut Profile 40X80	2.85 m	$\bar{w}$ 7.70 kg	$\odot$ 9
<b>1 121 4100-xxxx*</b>	Alstrut Profile 40X80	cut to size		



\* xxxx Indicates length in mm

Aluminium Profiles Groove 10

## Alstrut Profile 45x45



1

**Description**

profile with 10mm groove suitable for making machine structures, work tables conveyor frames and other medium weight applications

**Material**

aluminium alloy, 6063-t6

**Color**

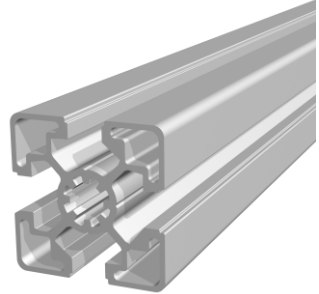
clear anodising

**Surface Treatment**

12-15 µm 300 HV

**Weight**

1.60 kg/m



**Moment of Inertia  $I_x$**

11.10 cm<sup>4</sup>

**Moment of Inertia  $I_y$**

11.10 cm<sup>4</sup>

**Section Modulus  $W_x$**

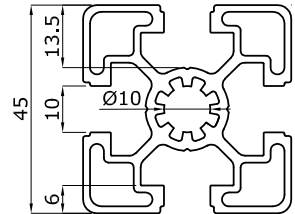
4.80 cm<sup>3</sup>

**Section Modulus  $W_y$**

4.80 cm<sup>3</sup>

**Surface Area A**

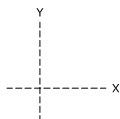
5.91 cm<sup>2</sup>



Groove 10

Aluminium Profiles

<b>1 121 4501</b>	Alstrut Profile 45X45	5.70 m		9.12 kg		4
<b>1 121 4503</b>	Alstrut Profile 45X45	3.00 m		4.80 kg		9
<b>1 121 4505</b>	Alstrut Profile 45X45	2.85 m		4.56 kg		9
<b>1 121 4500-xxxx*</b>	Alstrut Profile 45X45	cut to size				



\* xxxx Indicates length in mm

## Alstrut Profile 45x45-3N



### Description

profile with 10mm groove suitable for making machine structures, work tables conveyor frames and other medium weight applications

### Material

aluminium alloy, 6063-T6

### Color

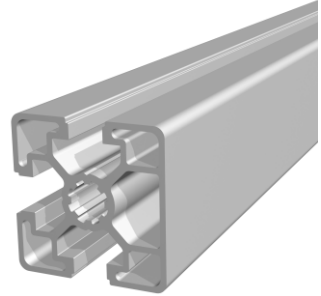
clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

1.50 kg/m



1

### Moment of Inertia $I_x$

10.25 cm<sup>4</sup>

### Moment of Inertia $I_y$

10.25 cm<sup>4</sup>

### Section Modulus $W_x$

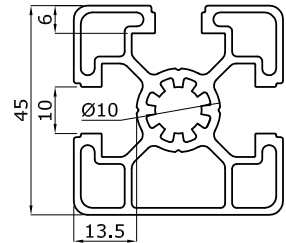
4.55 cm<sup>3</sup>

### Section Modulus $W_y$

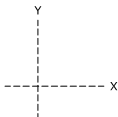
4.55 cm<sup>3</sup>

### Surface Area A

5.91 cm<sup>2</sup>



<b>1 121 4701</b>	Alstrut Profile 45x45-3N		5.70 m		$\bar{w}$ 8.55 kg		$\odot$ 4
<b>1 121 4705</b>	Alstrut Profile 45x45-3N		2.85 m		$\bar{w}$ 4.28 kg		$\odot$ 9
<b>1 121 4700-xxxx*</b>	Alstrut Profile 45x45-3N		cut to size				



\* xxxx Indicates length in mm

## Alstrut Profile 45x45R



1

### Description

profile with 10mm groove suitable for making enclosures, racks, light duty work tables and other medium weight applications

### Material

aluminium alloy, 6063-T6

### Color

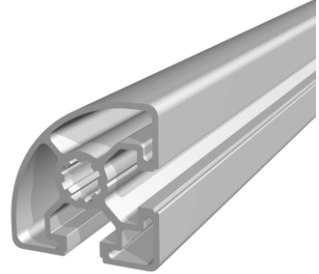
clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

1.30 kg/m



### Moment of Inertia $I_x$

8.50 cm<sup>4</sup>

### Moment of Inertia $I_y$

8.50 cm<sup>4</sup>

### Section Modulus $W_x$

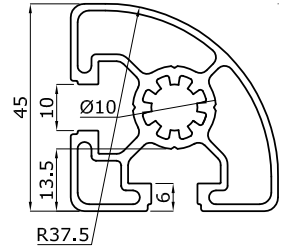
3.40 cm<sup>3</sup>

### Section Modulus $W_y$

3.40 cm<sup>3</sup>

### Surface Area A

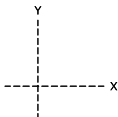
4.90 cm<sup>2</sup>



Groove 10

Aluminium Profiles

<b>1 121 1501</b>	Alstrut Profile 45x45R	5.70 m		7.41 kg		4
<b>1 121 1505</b>	Alstrut Profile 45x45R	2.85 m		3.71 kg		9
<b>1 121 1500-xxxx*</b>	Alstrut Profile 45x45R	cut to size				



\* xxxx Indicates length in mm

## Alstrut Profile 45x60



### Description

profile with 10mm groove suitable for making machine base structures, heavy duty trolleys, conveyor frames for heavy duty applications

### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

2.90 kg/m

### Moment of Inertia $I_x$

37.23 cm<sup>4</sup>

### Moment of Inertia $I_y$

22.83 cm<sup>4</sup>

### Section Modulus $W_x$

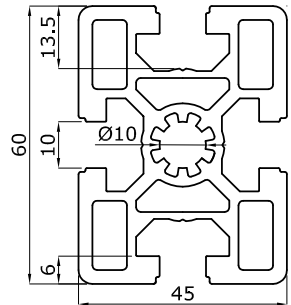
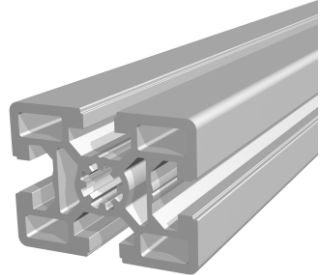
12.40 cm<sup>3</sup>

### Section Modulus $W_y$

10.10 cm<sup>3</sup>

### Surface Area A

10.40 cm<sup>2</sup>



<b>1 121 4601</b>	Alstrut Profile 45x60	5.70 m	⚖ 16.70 kg	⊕ 4
<b>1 121 4605</b>	Alstrut Profile 45x60	2.85 m	⚖ 16.70 kg	⊕ 4
<b>1 121 4600-xxxx*</b>	Alstrut Profile 45x60	cut to size		

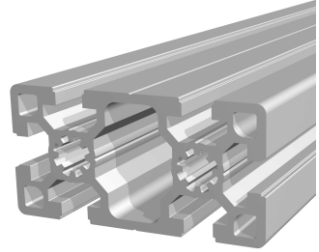
\* xxxx Indicates length in mm

## Alstrut Profile 45x90



### Description

profile with 10mm groove suitable for making heavy machine base structures, heavy duty trolleys, pneumatic air ducts, conveyor frames for heavy weight applications



### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

3.99 kg/m

### Moment of Inertia $I_x$

128.92 cm<sup>4</sup>

### Moment of Inertia $I_y$

32.67 cm<sup>4</sup>

### Section Modulus $W_x$

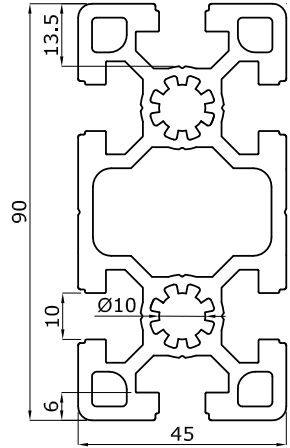
28.64 cm<sup>3</sup>

### Section Modulus $W_y$

14.52 cm<sup>3</sup>

### Surface Area A

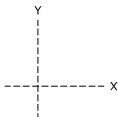
14.73 cm<sup>2</sup>



Groove 10

Aluminium Profiles

<b>1 121 4901</b>	Alstrut Profile 45x90	5.70 m	Ⓜ 22.72 kg	Ⓢ 4
<b>1 121 4905</b>	Alstrut Profile 45x90	2.85 m	Ⓜ 11.37 kg	Ⓢ 4
<b>1 121 4900-xxxx*</b>	Alstrut Profile 45x90	cut to size		



\* xxxx Indicates length in mm

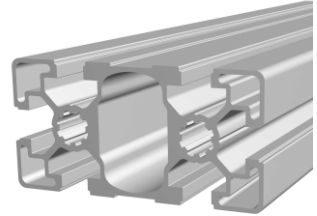


## Alstrut Profile 45x90L



### Description

profile with 10mm groove suitable for making heavy machine base structures, heavy duty trolleys, pneumatic air ducts, conveyor frames for medium to heavy weight applications



1

### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

3.10 kg/m

### Moment of Inertia $I_x$

82.04  $\text{cm}^4$

### Moment of Inertia $I_y$

22.32  $\text{cm}^4$

### Section Modulus $W_x$

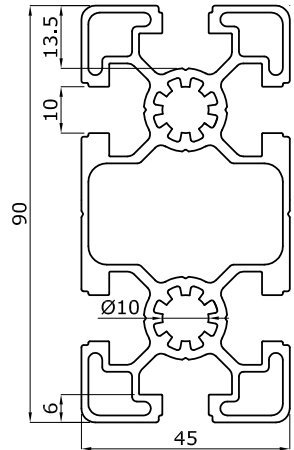
18.20  $\text{cm}^3$

### Section Modulus $W_y$

10.50  $\text{cm}^3$

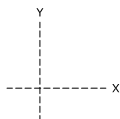
### Surface Area A

10.85  $\text{cm}^2$



<b>1 121 4801</b>	Alstrut Profile 45x90L	5.70 m	$\bar{w}$ 17.67 kg	$\odot$ 4
<b>1 121 4805</b>	Alstrut Profile 45x90L	2.85 m	$\bar{w}$ 8.84 kg	$\odot$ 4
<b>1 121 4800-xxxx*</b>	Alstrut Profile 45x90L	cut to size		

Aluminium Profiles Groove 10



\* xxxx Indicates length in mm

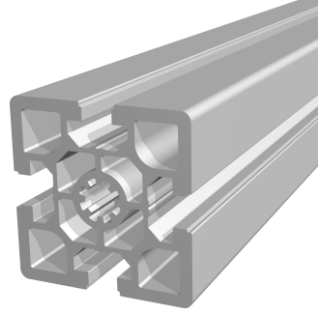
## Alstrut Profile 60x60



1

### Description

profile with 10mm groove suitable for making heavy machine base structures, heavy duty trolleys, pneumatic air ducts, conveyors, frames for heavy weight applications



### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

3.99 kg/m

### Moment of Inertia $I_x$

52.80 cm<sup>4</sup>

### Moment of Inertia $I_y$

52.80 cm<sup>4</sup>

### Section Modulus $W_x$

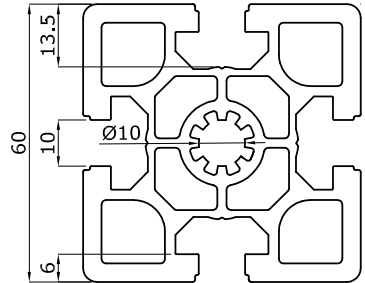
17.30 cm<sup>3</sup>

### Section Modulus $W_y$

17.30 cm<sup>3</sup>

### Surface Area A

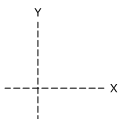
14.38 cm<sup>2</sup>



Groove 10

Aluminium Profiles

<b>1 121 6001</b>	Alstrut Profile 60x60	5.70 m	⚖ 22.23 kg	⊕ 4
<b>1 121 6005</b>	Alstrut Profile 60x60	2.85 m	⚖ 11.12 kg	⊕ 4
<b>1 121 6000-xxxx*</b>	Alstrut Profile 60x60	cut to size		



\* xxxx Indicates length in mm

## Alstrut Profile 60x60L



### Description

profile with 10mm groove suitable for making medium machine base structures, medium duty trolleys, conveyors, frames for medium to heavy weight applications

### Material

aluminium alloy, 6063-T6

### Color

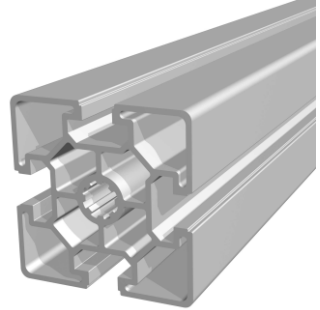
clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

2.60 kg/m



1

### Moment of Inertia $I_x$

32.40 cm<sup>4</sup>

### Moment of Inertia $I_y$

32.40 cm<sup>4</sup>

### Section Modulus $W_x$

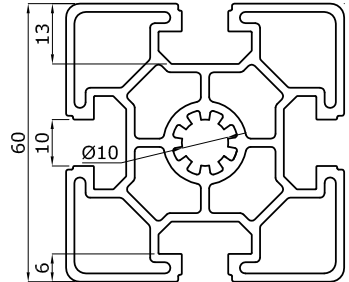
10.80 cm<sup>3</sup>

### Section Modulus $W_y$

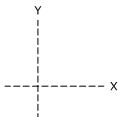
10.80 cm<sup>3</sup>

### Surface Area A

9.60 cm<sup>2</sup>



<b>1 121 6101</b>	Alstrut Profile 60x60L	5.70 m	Ⓜ 14.82 kg	Ⓞ 4
<b>1 121 6105</b>	Alstrut Profile 60x60L	2.85 m	Ⓜ 7.41 kg	Ⓞ 4
<b>1 121 6100-xxxx*</b>	Alstrut Profile 60x60L	cut to size		



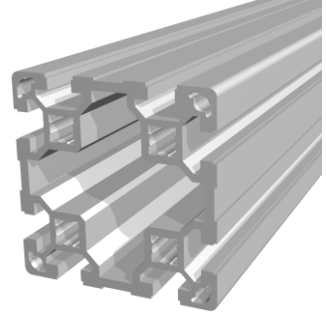
\* xxxx Indicates length in mm

## Alstrut Profile 80x80



### Description

profile with 10mm groove suitable for making heavy machine base structures, heavy duty trolleys, pneumatic air ducts, conveyors, frames for heavy weight applications



### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

4.90 kg/m

### Moment of Inertia $I_x$

132.10 cm<sup>4</sup>

### Moment of Inertia $I_y$

132.10 cm<sup>4</sup>

### Section Modulus $W_x$

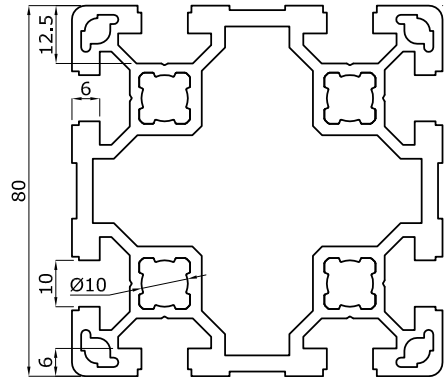
33.00 cm<sup>3</sup>

### Section Modulus $W_y$

33.00 cm<sup>3</sup>

### Surface Area A

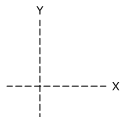
18.20 cm<sup>2</sup>



Groove 10

Aluminium Profiles

<b>1 121 8001</b>	Alstrut Profile 80x80	5.70 m	⚖ 27.93 kg	⊕ 2
<b>1 121 8005</b>	Alstrut Profile 80x80	2.85 m	⚖ 13.97 kg	⊕ 2
<b>1 121 8000-xxxx*</b>	Alstrut Profile 80x80	cut to size		



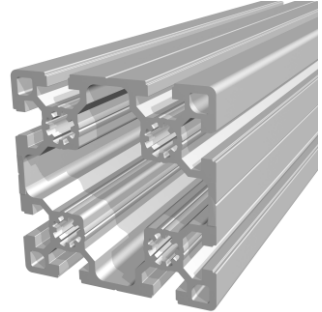
\* xxxx Indicates length in mm

## Alstrut Profile 90x90



### Description

profile with 10mm groove suitable for making heavy machine base structures, heavy duty trolleys, pneumatic air ducts, conveyors, frames for heavy weight applications



1

### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15 µm 300 HV

### Weight

6.12 kg/m

### Moment of Inertia $I_x$

215.04 cm<sup>4</sup>

### Moment of Inertia $I_y$

215.04 cm<sup>4</sup>

### Section Modulus $W_x$

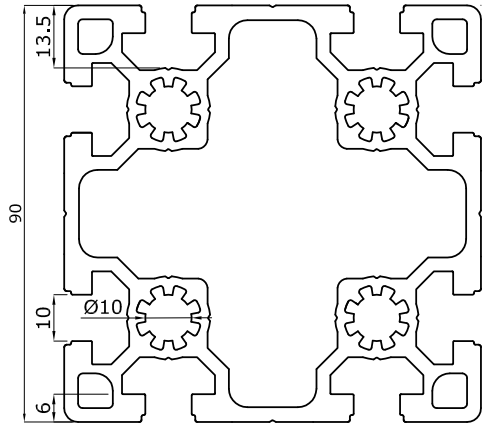
47.78 cm<sup>3</sup>

### Section Modulus $W_y$

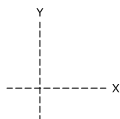
47.78 cm<sup>3</sup>

### Surface Area A

22.58 cm<sup>2</sup>



<b>1 121 9001</b>	Alstrut Profile 90x90	5.70 m	Ⓜ 34.88 kg	Ⓢ 2
<b>1 121 9005</b>	Alstrut Profile 90x90	2.85 m	Ⓜ 17.44 kg	Ⓢ 2
<b>1 121 9000-xxxx*</b>	Alstrut Profile 90x90	cut to size		



\* xxxx Indicates length in mm

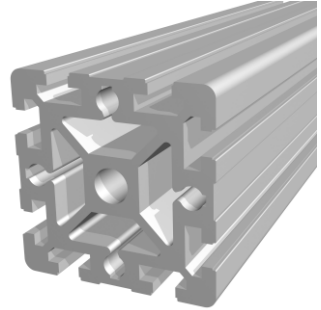
Aluminium Profiles Groove 10

## Alstrut Profile 90x90H



### Description

profile with 10mm groove suitable for making heavy machine base structures, heavy duty trolleys, pneumatic air ducts, conveyors, frames for heavy weight applications



### Material

aluminium alloy, 6063-T6

### Color

clear anodising

### Surface Treatment

12-15  $\mu\text{m}$  300 HV

### Weight

10.5 kg/m

### Moment of Inertia $I_x$

302.0  $\text{cm}^4$

### Moment of Inertia $I_y$

302.0  $\text{cm}^4$

### Section Modulus $W_x$

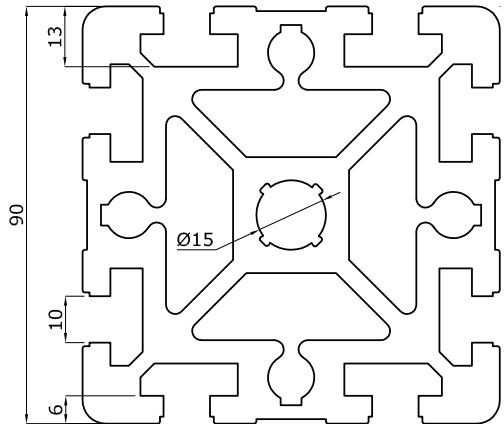
67.0  $\text{cm}^3$

### Section Modulus $W_y$

67.0  $\text{cm}^3$

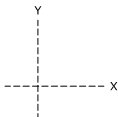
### Surface Area A

39.5  $\text{cm}^2$



Aluminium Profiles Groove 10

<b>1 121 9101</b>	Alstrut Profile 90x90H	5.70 m	$\bar{w}$ 59.85 kg	$\odot$ 2
<b>1 121 9105</b>	Alstrut Profile 90x90H	2.85 m	$\bar{w}$ 29.93 kg	$\odot$ 2
<b>1 121 9100-xxxx*</b>	Alstrut Profile 90x90H	cut to size		



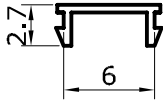
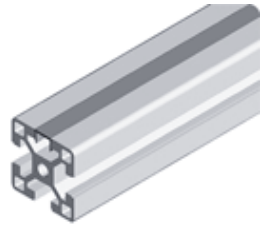
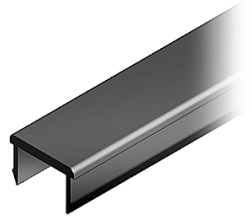
\* xxxx Indicates length in mm

## Cover Profile 6



### Description

to cover profile slots with groove 6



1

<b>1 123 0601</b>	PVC   Black	1.0 m	⊗ 10
<b>1 124 0601</b>	PVC   Black	2.0 m	⊗ 10
<b>1 124 0602</b>	PVC   Red	2.0 m	⊗ 100
<b>1 124 0603</b>	PVC   Blue	2.0 m	⊗ 100
<b>1 124 0604</b>	PVC   Green	2.0 m	⊗ 100
<b>1 124 0605</b>	PVC   Yellow	2.0 m	⊗ 100

Aluminium Profiles Cover Profile 6

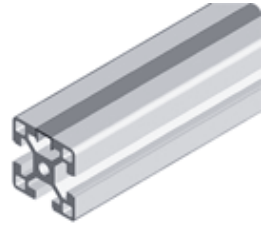
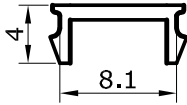
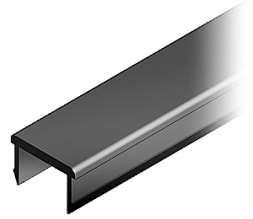
## Cover Profile 8



### Description

to cover profile slots with groove 8

1



Cover Profile 8

Aluminium Profiles

<b>1 123 0801</b>	PVC   Black	1.0 m	⊕ 10
<b>1 124 0801</b>	PVC   Black	2.0 m	⊕ 10
<b>1 124 0802</b>	PVC   Red	2.0 m	⊕ 100
<b>1 124 0803</b>	PVC   Blue	2.0 m	⊕ 100
<b>1 124 0804</b>	PVC   Green	2.0 m	⊕ 100
<b>1 124 0805</b>	PVC   Yellow	2.0 m	⊕ 100

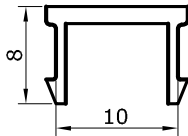
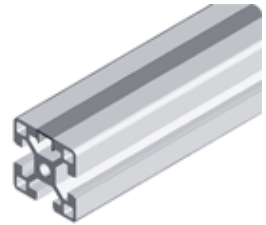
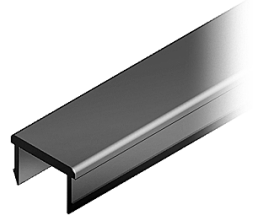


## Cover Profile 10



### Description

to cover profile slots with groove 10

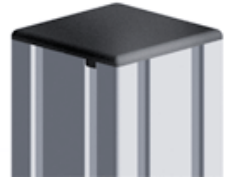
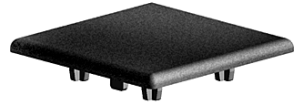


<b>1 123 1001</b>	PVC	Black	1.0 m	⊕ 10
<b>1 124 1001</b>	PVC	Black	2.0 m	⊕ 10
<b>1 124 1002</b>	PVC	Red	2.0 m	⊕ 100
<b>1 124 1003</b>	PVC	Blue	2.0 m	⊕ 100
<b>1 124 1004</b>	PVC	Green	2.0 m	⊕ 100
<b>1 124 1005</b>	PVC	Yellow	2.0 m	⊕ 100
<b>1 124 1051</b>	Aluminium	Anodized	2.0 m	⊕ 100

## End Cap

**Description** | to cover the ends of a profile

**Material** | Polyamide  
**Color** | Black



1

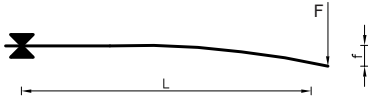
End Cap

Aluminium Profiles

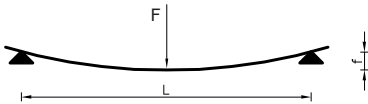
<b>1 122 2001</b>	20x20	⊗	10
<b>1 122 3001</b>	30x30	⊗	10
<b>1 122 3101</b>	30x60	⊗	10
<b>1 122 4001</b>	40x40	⊗	10
<b>1 122 4101</b>	40x80	⊗	10
<b>1 122 8001</b>	80x80	⊗	10
<b>1 122 4501</b>	45x45	⊗	10
<b>1 122 4601</b>	45x60	⊗	10
<b>1 122 4901</b>	45x90	⊗	10
<b>1 122 6001</b>	60x60	⊗	10
<b>1 122 9001</b>	90x90	⊗	10

## Alstrut Profiles - Technical Data

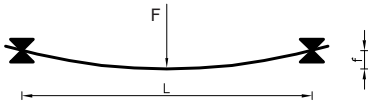
### Profile Deflection



$$f = \frac{F \times L^3}{3 \times E \times I \times 10^4}$$



$$f = \frac{F \times L^3}{48 \times E \times I \times 10^4}$$



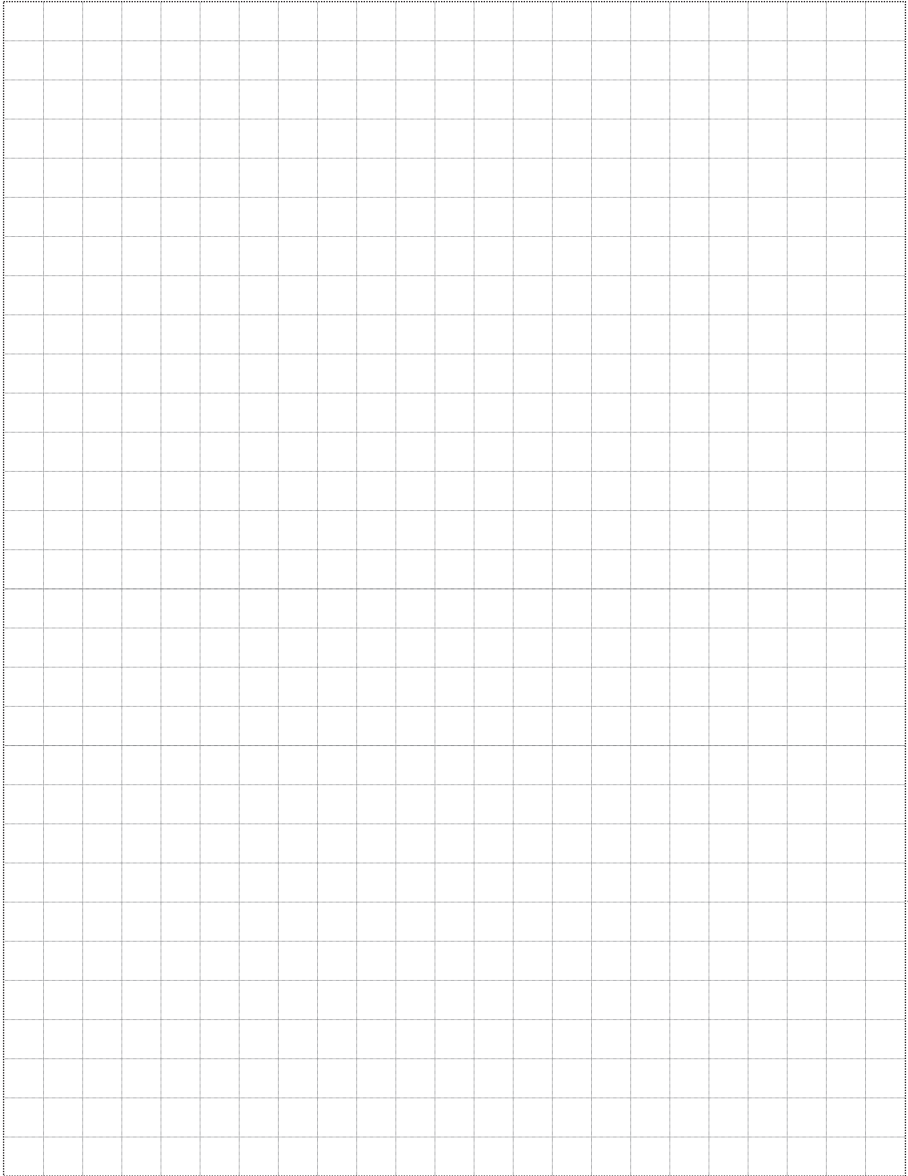
$$f = \frac{F \times L^3}{192 \times E \times I \times 10^4}$$

- f (mm) | Deflection
- F (N) | Force (load)
- L (mm) | Length of profile
- I (cm<sup>4</sup>) | Moment of inertia
- E (N/mm<sup>2</sup>) | Modulus of elasticity

Extrusion DIN Compliance		DIN 17615, German standard for precision extrusions
Alloy		6063-T6 (AlMgSi 0.5, F25)
Tenstile Strength (R <sub>m</sub> )		245 N/mm <sup>2</sup>
Yield Strength (R <sub>p0.2</sub> )		195 N/mm <sup>2</sup>
Ductile Yield (A <sub>5</sub> )		10%
Modulus of Elasticity (E)		70,000 N/mm <sup>2</sup>
Brinell Hardness		75 HB
Specific Gravity		2.70 gm/cm <sup>3</sup>
Surface Treatment		E6/EV1, 12µm, 250-300HV

1

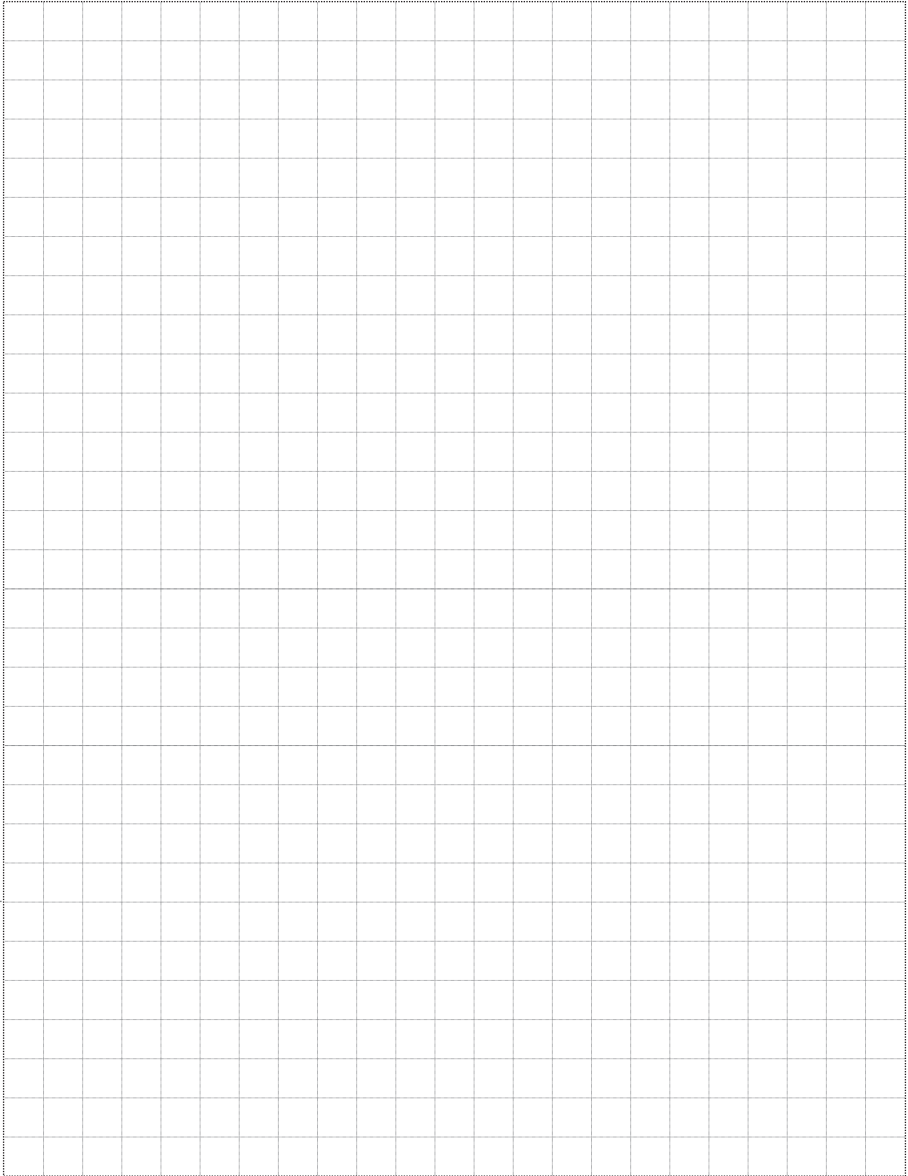
Aluminium Profiles



1

.....

Aluminium Profiles



## Joining Elements

2

**Angle Bracket**  
**Adjustable Angular Bracket**  
**L Bracket**  
**Swivel Plate**  
**End Screws**  
**Hidden Connector**  
**Central Connector**  
**Longitudinal Connector Plate**  
**Longitudinal Connector**  
**Corner Bracket**  
**Cubic Connector**  
**Pivot Joint**  
**End Connector**  
**Base Plate**  
**Plate Connector**  
**Floor Bracket**





## Angle Bracket 2020

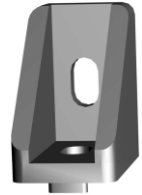


**Description**

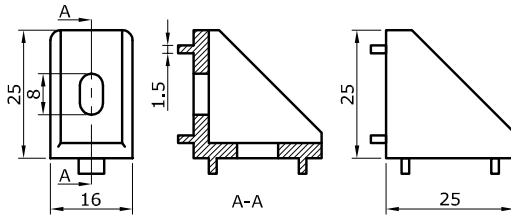
used to connect two profiles at right angles

**Material Surface**

die cast zinc plain



2



**2 221 0600**

Angle Bracket 2020

25.0 g

10

**2 222 0600 \***

Angle Bracket 2020 (set)

10

\* Contains:

2 221 0600 x 1  
3 311 0604 x 2  
9 142 0408 x 2

## Angle Bracket 3030



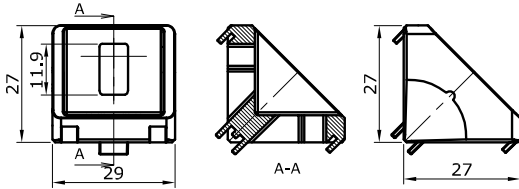
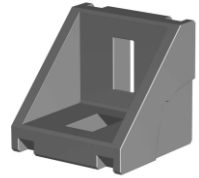
**Description**

used to connect two profiles at right angles

2

**Material Surface**

die cast aluminium plain



Angle Bracket

Joining Elements

<b>2 221 0800</b>	Angle Bracket 3030	20.5 g	10
<b>2 222 0800 *</b>	Angle Bracket 3030 (set)		10

\* Contains: 2 221 0800 X 1  
3 311 0806 X 2  
9 142 0612 X 2

## Angle Bracket 4545

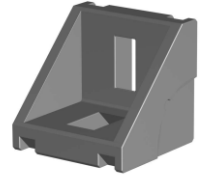


**Description**

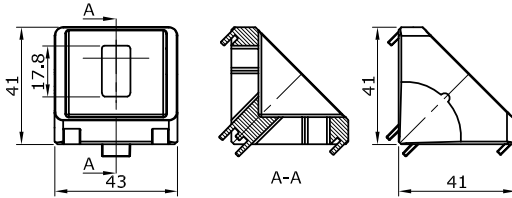
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



**2 221 1000**

Angle Bracket 4545

57.0 g

10

**2 222 1000 \***

Angle Bracket 4545 (set)

10

\* Contains:

- 2 221 1000 X 1
- 3 311 1008 X 2
- 9 142 0820 X 2

Angle Bracket  
Joining Elements

## Angle Bracket 6060



### Description

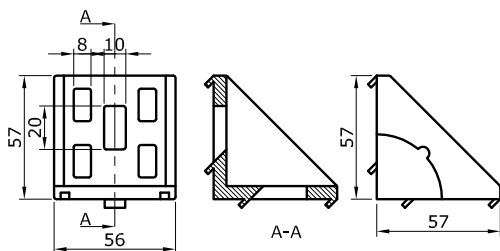
used to connect two profiles at right angles

### Material Surface

die cast aluminium plain



2



**2 221 1002**

Angle Bracket 6060

96.0 g

10

**2 222 1002 \***

Angle Bracket 6060 (set)

10

\* Contains:

2 221 1002 X 1  
3 311 1008 X 2  
9 142 0820 X 2

Angle Bracket  
Joining Elements

## Angle Bracket 4590



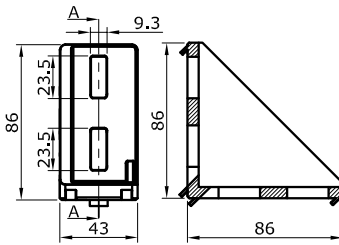
**Description**

used to connect two profiles at right angles

2

**Material Surface**

die cast aluminium plain



Angle Bracket

Joining Elements

<b>2 221 1001</b>	Angle Bracket 4590	180.0 g	10
<b>2 222 1001 *</b>	Angle Bracket 4590 (set)		10

\* Contains: 2 221 1001 X 1  
3 311 1008 X 4  
9 142 0820 X 4

## Cover Cap - Angle Bracket 6060



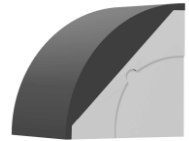
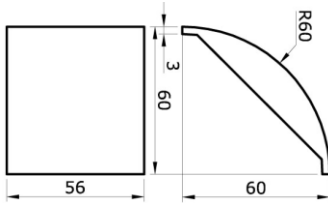
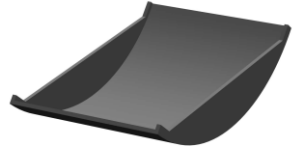
**Description**

cover cap for angle bracket 60

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 1002**

Cover Cap for Angle Bracket 6060 (2 221 1002)

10

Joining Elements

## Angle Bracket 2020



**Description**

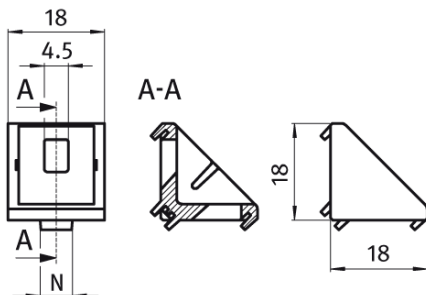
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



**2 221 0601**

Angle Bracket 2020

10.0 g

10

**2 222 0601 \***

Angle Bracket 2020 (set)

10

\* Contains:

2 221 0601 X 1  
3 311 0604 X 2  
9 142 0408 X 2

## Cover Cap - Angle Bracket 2020



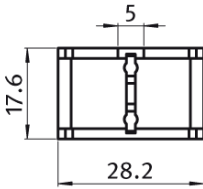
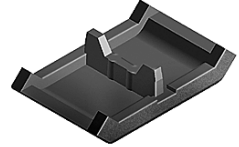
**Description**

cover cap for angle bracket  
2020

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 0601**

Cover Cap for Angle Bracket 2020 (2 221 0601)

10

Joining Elements



## Angle Bracket 3030



**Description**

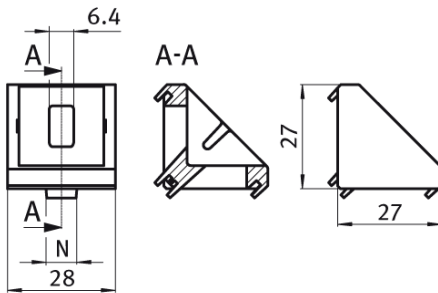
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



<b>2 221 0801</b>	Angle Bracket 3030	19.7 g	10
<b>2 222 0801 *</b>	Angle Bracket 3030 (set)		10

\* Contains: | 2 221 0801 X 1  
| 2 211 0806 X 2  
| 9 142 0612 X 2

Angle Bracket  
Joining Elements

## Cover Cap - Angle Bracket 3030



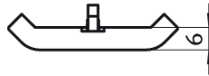
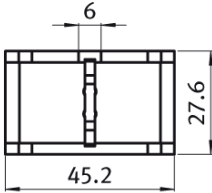
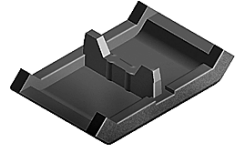
**Description**

cover cap for angle bracket  
3030

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 0801**

Cover Cap for Angle Bracket 3030 (2 221 0801)

10

Joining Elements

## Angle Bracket 4040



**Description**

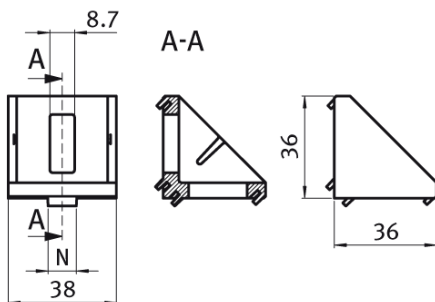
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



<b>2 221 1003</b>	Angle Bracket 4040	33.0 g	10
<b>2 222 1003 *</b>	Angle Bracket 4040 (set)		10

\* Contains: 2 221 1003 X 1  
3 311 1008 X 2  
9 142 0820 X 2

Angle Bracket  
Joining Elements

## Cover Cap - Angle Bracket 4040



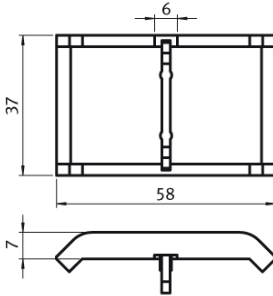
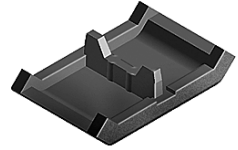
**Description**

cover cap for angle bracket  
4040

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 1003**

Cover Cap for Angle Bracket 4040 (2 221 1003)

10

Joining Elements

## Angle Bracket 4545



**Description**

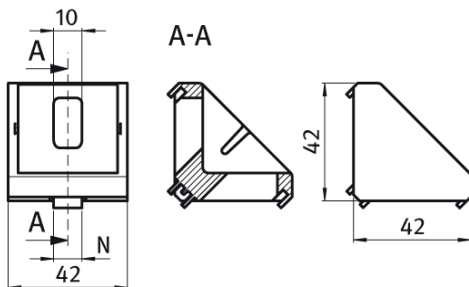
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



<b>2 221 1004</b>	Angle Bracket 4545	56.0 g	10
<b>2 222 1004 *</b>	Angle Bracket 4545 (set)		10

\* Contains: | 2 221 1004 X 1  
3 311 1008 X 2  
9 142 0820 X 2

Angle Bracket  
Joining Elements

## Cover Cap - Angle Bracket 4545



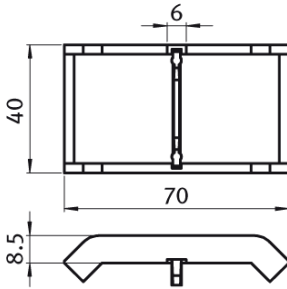
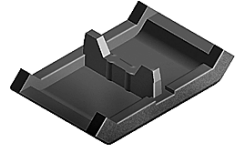
**Description**

cover cap for angle bracket  
4545

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 1004**

Cover Cap for Angle Bracket 4545 (2 221 1004)

10

Joining Elements

## Angle Bracket 6060



**Description**

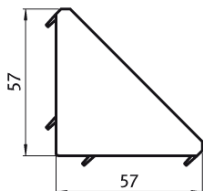
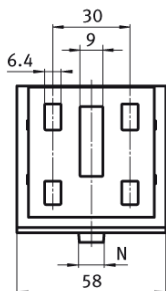
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



**2 221 1005**

Angle Bracket 6060

204.0 g

10

**2 222 1005 \***

Angle Bracket 6060 (set)

10

\* Contains:

- 2 221 1005 X 1
- 3 311 1008 X 2
- 9 142 0820 X 2

Angle Bracket

Joining Elements

## Cover Cap - Angle Bracket 6060



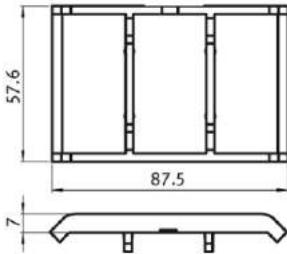
**Description**

cover cap for angle bracket  
6060

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 1005**

Cover Cap for Angle Bracket 6060 (2 221 1005)

10

Joining Elements



## Angle Bracket 8080

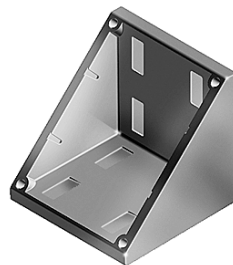


### Description

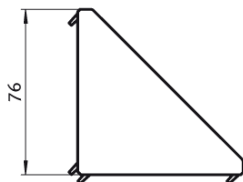
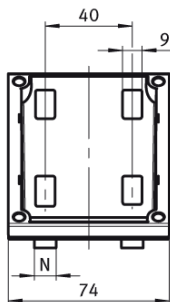
used to connect two profiles at right angles

### Material Surface

die cast aluminium plain



2



**2 221 1006**

Angle Bracket 8080

229.0 g

10

**2 222 1006 \***

Angle Bracket 8080 (set)

10

\* Contains:

2 221 1006 X 1  
3 311 1008 X 8  
9 142 0820 X 8

Angle Bracket

Joining Elements

71

## Cover Cap - Angle Bracket 8080



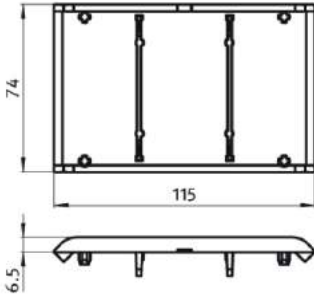
**Description**

cover cap for angle bracket  
8080

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 1006**

Cover Cap for Angle Bracket 8080 (2 221 1006)

10

Joining Elements

## Angle Bracket 9090

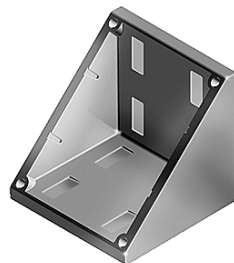


**Description**

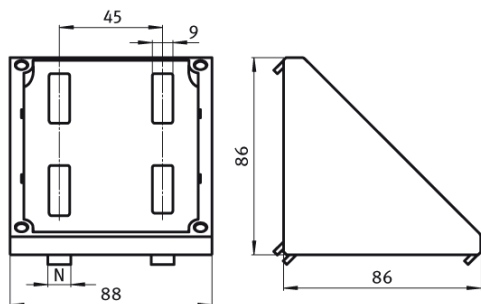
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



<b>2 221 1007</b>	Angle Bracket 9090	333.8 g	10
<b>2 222 1007 *</b>	Angle Bracket 9090 (set)		10

\* Contains: 2 221 1007 X 1  
3 311 1008 X 8  
9 142 0820 X 8

Angle Bracket  
Joining Elements

## Cover Cap - Angle Bracket 9090



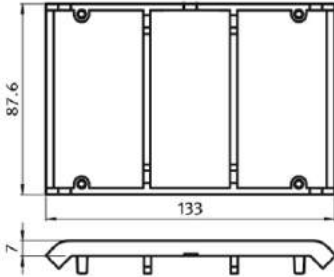
**Description**

cover cap for angle bracket  
9090

2

**Material  
Color**

polyamide  
black



Angle Bracket

**2 223 1007**

Cover Cap for Angle Bracket 9090 (2 221 1007)

10

Joining Elements

## Angle Bracket 2040



**Description**

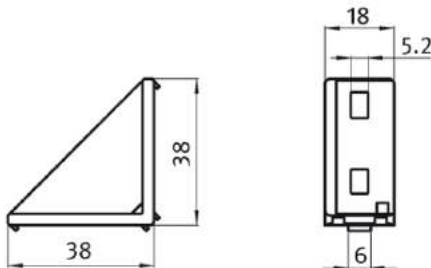
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



**2 221 0602**

Angle Bracket 2040

13.1 g

10

**2 222 0602 \***

Angle Bracket 2040 (set)

10

\* Contains:

2 221 0602 X 1  
3 311 0604 X 4  
9 142 0408 X 4

Angle Bracket  
Joining Elements

## Angle Bracket 3060



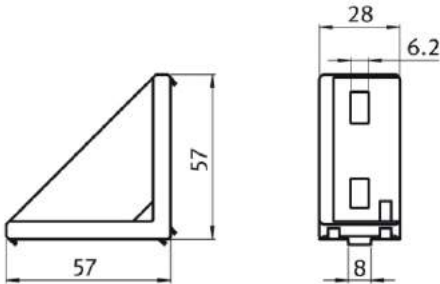
**Description**

used to connect two profiles at right angles

2

**Material Surface**

die cast aluminium plain



Angle Bracket

Joining Elements

<b>2 221 0802</b>	Angle Bracket 3060	58.1 g	10
<b>2 222 0802 *</b>	Angle Bracket 3060 (set)		10

\* Contains: 2 221 0802 X 1  
3 311 0806 X 4  
9 142 0612 X 4

## Angle Bracket 4080



**Description**

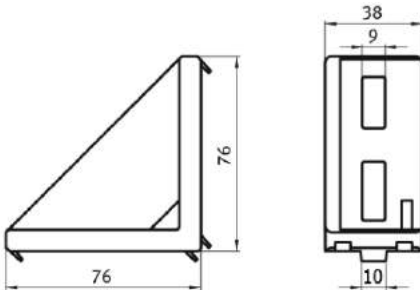
used to connect two profiles at right angles

**Material Surface**

die cast aluminium plain



2



<b>2 221 1008</b>	Angle Bracket 4080	122.5 g	10
<b>2 222 1008 *</b>	Angle Bracket 4080 (set)		10

\* Contains: 2 221 1008 X 1  
3 311 1008 X 4  
9 142 0820 X 4

Angle Bracket  
Joining Elements

## Angle Bracket 4590



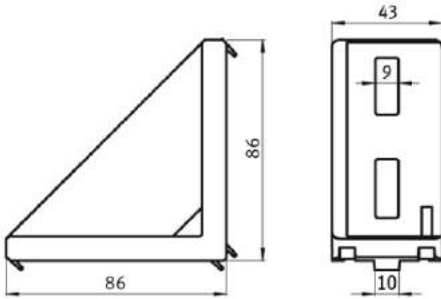
**Description**

used to connect two profiles at right angles

2

**Material Surface**

die cast aluminium plain



Angle Bracket

Joining Elements

<b>2 221 1009</b>	Angle Bracket 4590	162.0 g	10
<b>2 222 1009 *</b>	Angle Bracket 4590 (set)		10

\* Contains: 2 221 1009 X 1  
3 311 1008 X 4  
9 142 0820 X 4



## Cover Cap - Angle Bracket 4590



**Description**

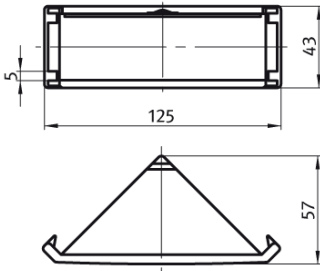
cover cap for angle bracket  
4590

**Material  
Color**

polyamide  
black



2



**2 223 1009**

Cover Cap for Angle Bracket 4590 (2 221 1009)

10

Angle Bracket

Joining Elements

## Angular Bracket 30



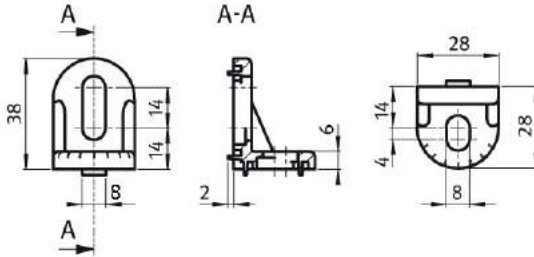
**Description**

used to connect profiles at various angles from 0° to 180°

2

**Material Surface**

die cast aluminium plain



Adjustable Angular Bracket

**2 227 0801**

Angular Bracket 30

16.0 g 10

Joining Elements

## Angular Bracket 40

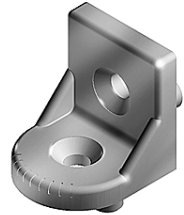


### Description

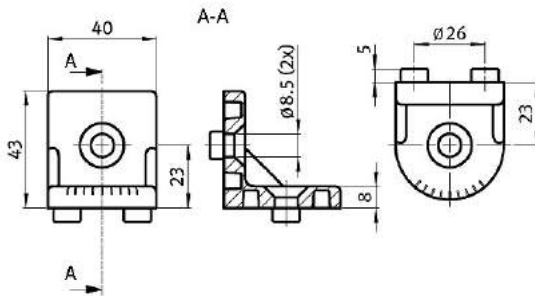
used to connect profiles at various angles from 0° to 180°

### Material Surface

die cast aluminium plain



2



**2 227 1001**

Angular Bracket 40

44.0 g 10

Adjustable Angular Bracket

Joining Elements

## L Bracket



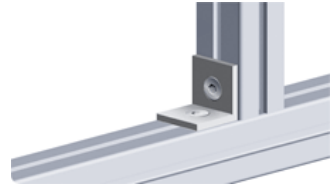
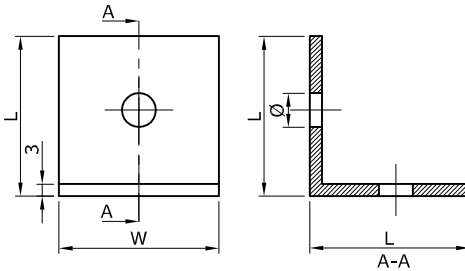
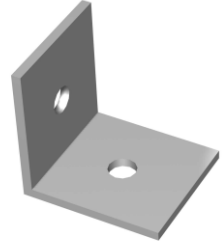
### Description

used to connect two profiles at right angles

2

### Material Surface

sheet metal  
black powder coated



L Bracket

Joining Elements

<b>2 225 0601</b>	L Bracket 2020	L:20	W:20	Ø:5.5	⊙ 10
<b>2 225 0801</b>	L Bracket 3030	L:30	W:30	Ø:6.5	⊙ 10
<b>2 225 1001</b>	L Bracket 4040	L:45	W:40	Ø:9.0	⊙ 10

Dimensions Of L, W, Ø Are In Mm

## Swivel Plate



### Description

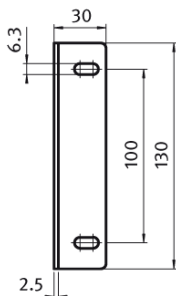
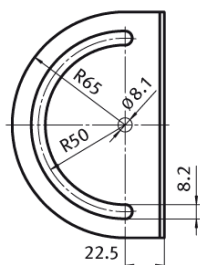
used to connect profiles at an adjustable angle upto 90° with a locking lever

### Material Surface

sheet metal  
black powder coated



2



**2 226 0001**

Swivel Plate

10

Swivel Plate

Joining Elements

## End Screws

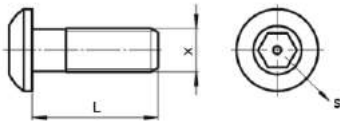
**Description**

used to connect two aluminium profiles economically

2

**Material**

steel



End Screws

Joining Elements

<b>2 230 0006</b>	End Screw	x:m6	L:20	s:5	⊕ 100
<b>2 230 0008</b>	End Screw	x:m8	L:30	s:6	⊕ 100
<b>2 230 0012</b>	End Screw	x:m12	L:30	s:10	⊕ 100

Dimensions of x, L, s are in mm

## Hidden Connector 8

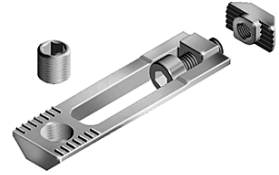


**Description**

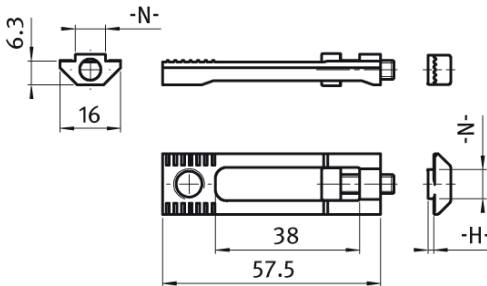
used to connect two aluminium profiles quick and solid;  
assembly without machining

**Material  
Surface**

steel  
zinc plated



2



**2 231 0801\***

Hidden Connector (set)

31,7g

1

Hidden Connector

Joining Elements

\* Includes:

Necessary fastening element  
Allen Head Screw  
T Nut

## Hidden Connector 10



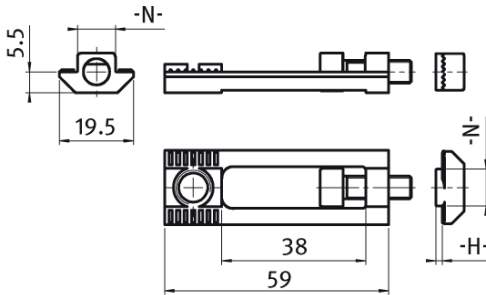
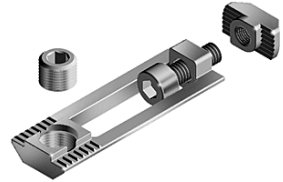
**Description**

used to connect two aluminium profiles quick and solid;  
assembly without machining

2

**Material Surface**

steel  
zinc plated



Hidden Connector

**2 231 1001\***

Hidden Connector (set)

38.1 g 1

Joining Elements

\* Includes: Necessary fastening element  
Allen Head Screw  
T Nut



## Central Connector 8

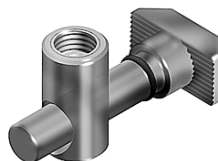


### Description

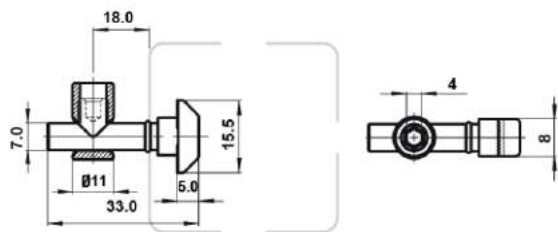
used to connect two aluminium profiles at 0° or 90° - hole to be drilled at one side of the profile

### Material Surface

steel  
zinc plated



2



**2 251 0800**

Central Connector 0°

⊕ 1

**2 251 0890**

Central Connector 90°

⊕ 1

Central Connector

Joining Elements

## Central Connector 10



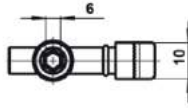
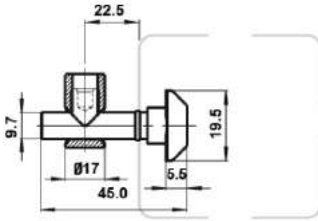
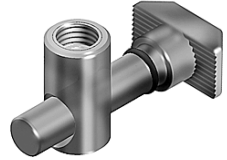
**Description**

used to connect two aluminium profiles at 0° or 90° - hole to be drilled at one side of the profile

2

**Material Surface**

steel  
zinc plated



Central Connector

**2 251 1000**

Central Connector 0°

⊙ 1

**2 251 1090**

Central Connector 90°

⊙ 1

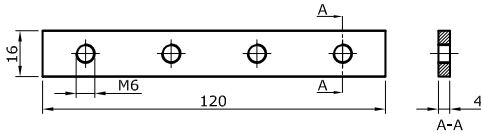
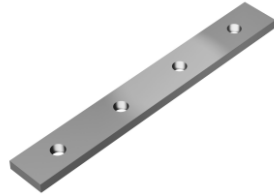
Joining Elements

## Longitudinal Connector Plate 8



**Description** | connector, 120mm length

**Material Surface** | steel galvanised



**2 232 0801**

Longitudinal Connector Plate - Groove 8

10

2

Longitudinal Connector Plate

Joining Elements

89

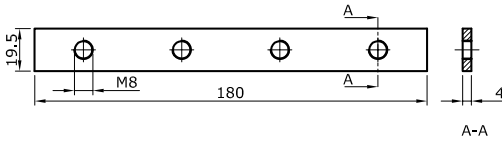
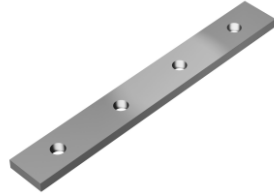
## Longitudinal Connector Plate 10



**Description** | connector, 180mm length

2

**Material Surface** | steel galvanised



Longitudinal Connector Plate

**2 232 1001**

Longitudinal Connector Plate - Groove 10

10

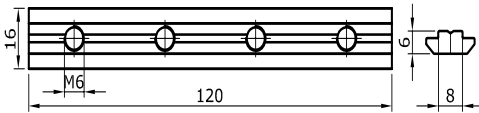
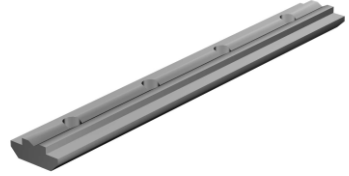
Joining Elements

## Longitudinal Connector 8



**Description** | connector, 120mm length

**Material Surface** | steel galvanised



**2 232 0802**

Longitudinal Connector - Groove 8

10

2

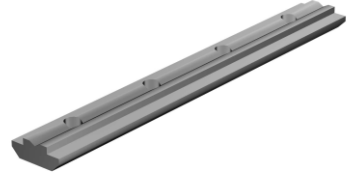
Longitudinal Connector

Joining Elements

## Longitudinal Connector 10

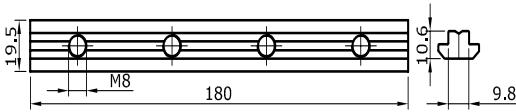


**Description** | connector, 180mm length



2

**Material Surface** | steel galvanised



Longitudinal Connector

**2 232 1002**

Longitudinal Connector - Groove 10



Joining Elements

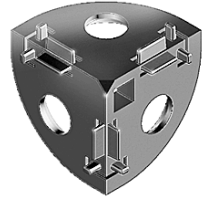
## Corner Bracket 30

**Description**

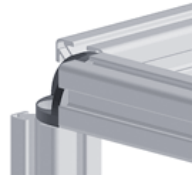
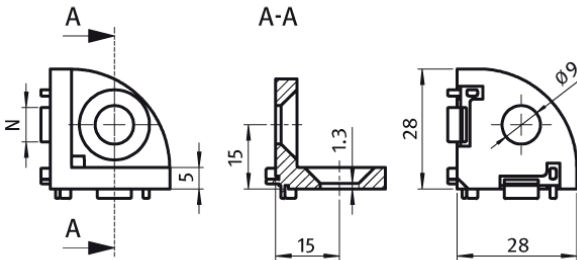
used to connect three profiles at right angles

**Material Surface**

die cast zinc plain



2



**2 241 3001**

Corner Bracket 30

39.0 g 10

Joining Elements **Corner Bracket**

## Cover Cap - Corner Bracket 30 Radius

**Description**

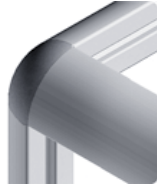
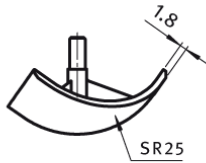
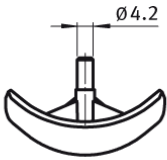
cover cap for corner bracket -  
radius



2

**Material  
Color**

polyamide  
black



Corner Bracket

**2 241 3002**

Cover Cap for Corner Bracket 30 - Radius (2 241 3001) 10

Joining Elements



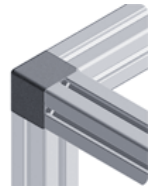
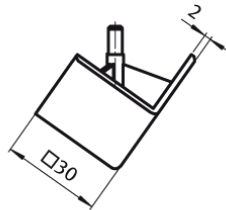
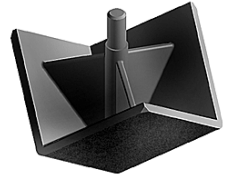
## Cover Cap - Corner Bracket 30 Square

**Description**

cover cap for corner bracket - square

**Material Color**

polyamide black



**2 241 3003**

Cover Cap for Corner Bracket 30 - Square (2 241 3001) 10

2

Corner Bracket

Joining Elements

## Corner Bracket 40

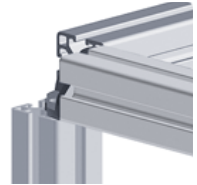
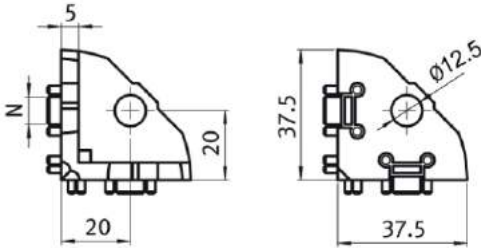
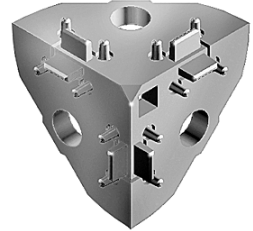
2

**Description**

used to connect three profiles at right angles

**Material Surface**

die cast zinc plain



Corner Bracket

**2 241 4001**

Corner Bracket 40

 83.0 g  10

Joining Elements

## Cover Cap - Corner Bracket 40 Radius

**Description**

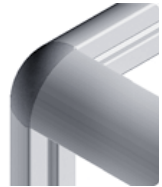
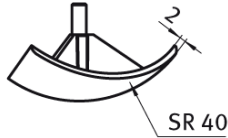
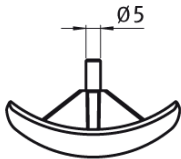
cover cap for corner bracket - radius

**Material Color**

polyamide  
black



2



**2 241 4002**

Cover Cap for Corner Bracket 40 - Radius (2 241 4001) 10

Corner Bracket

Joining Elements

## Cover Cap - Corner Bracket 40 Square

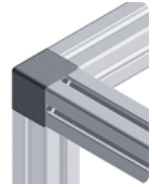
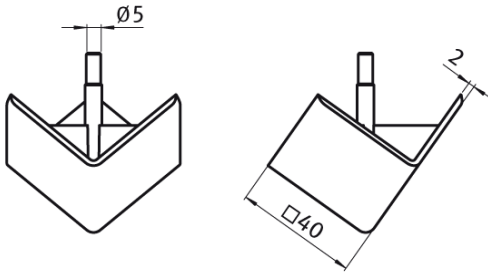
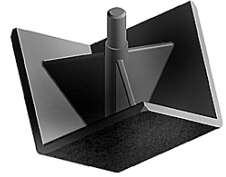
2

**Description**

cover cap for corner bracket - square

**Material  
Color**

polyamide  
black



Corner Bracket

**2 241 4003**

Cover Cap for Corner Bracket 40 - Square (2 241 4001) 10

Joining Elements

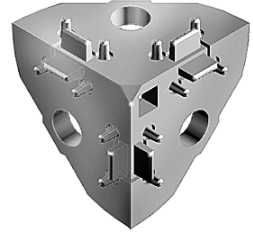
## Corner Bracket 45

**Description**

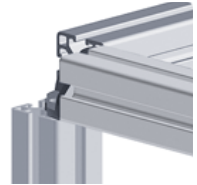
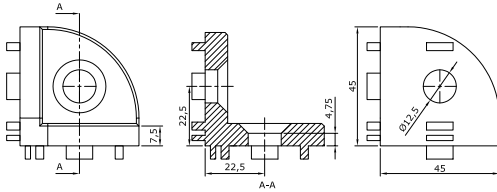
used to connect three profiles at right angles

**Material Surface**

die cast zinc plain



2



**2 241 4501**

Corner Bracket 45

83.0 g 10

Corner Bracket

Joining Elements

## Cover Cap - Corner Bracket 45 Radius

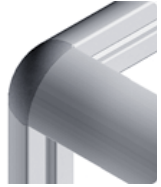
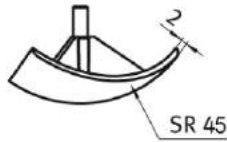
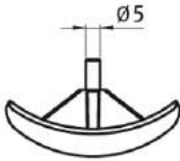
2

**Description**

cover cap for corner bracket -  
radius

**Material  
Color**

polyamide  
black



Corner Bracket

**2 241 4502**

Cover Cap for Corner Bracket 45 - Radius (2 241 4501) 10

Joining Elements

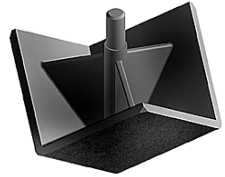
## Cover Cap - Corner Bracket 45 Square

**Description**

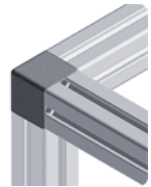
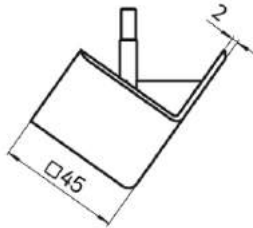
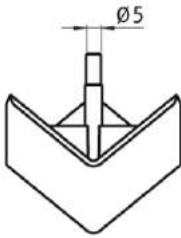
cover cap for corner bracket - square

**Material Color**

polyamide  
black



2



**2 241 4503**

Cover Cap for Corner Bracket 45 - Square (2 241 4501) 10

Corner Bracket

Joining Elements

## Cubic Connector 30 - 2D

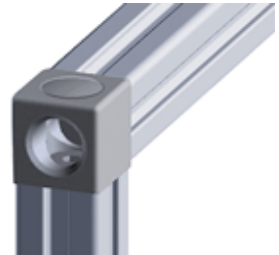
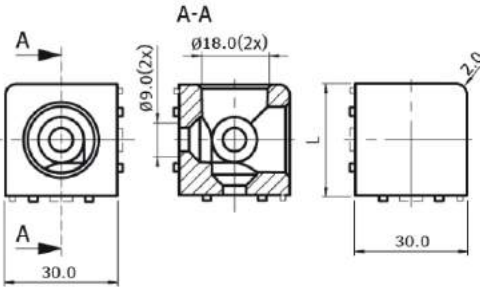
2

**Description**

used to connect two aluminium profiles at 90°; cover cap included

**Material Surface**

die cast aluminium plain



Cubic Connector

**2 242 3002\***

Cubic Connector 30 - 2D

47.0 g

1

Joining Elements

\* Includes:

Cover Cap  
Does not include screws



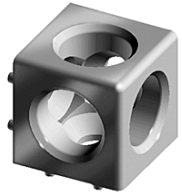
## Cubic Connector 30 - 3D

**Description**

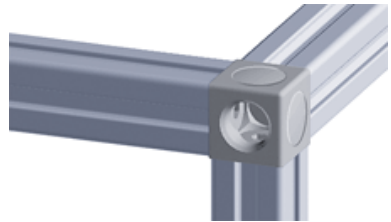
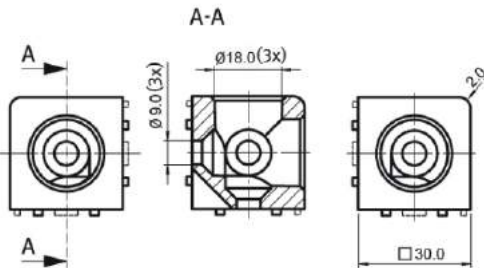
used to connect three aluminium profiles at 90°; cover cap included

**Material Surface**

die cast aluminium plain



2



**2 242 3003\***

Cubic Connector 30 - 3d

 38.5 g

 1

Cubic Connector

Joining Elements

\* Includes:

Cover Cap  
Does not include screws

## Cubic Connector 40 - 2D

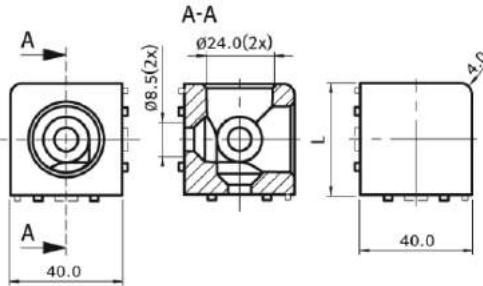
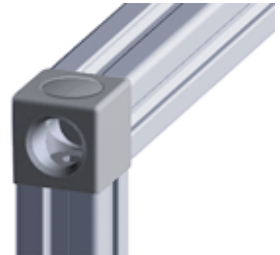
2

**Description**

used to connect two aluminium profiles at 90°; cover cap included

**Material Surface**

die cast aluminium plain



Cubic Connector

**2 242 4002\***

Cubic Connector 40 - 2D

115.0 g

1

Joining Elements

\* Includes:

Cover Cap  
Does not include screws

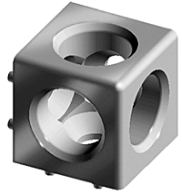
## Cubic Connector 40 - 3D

**Description**

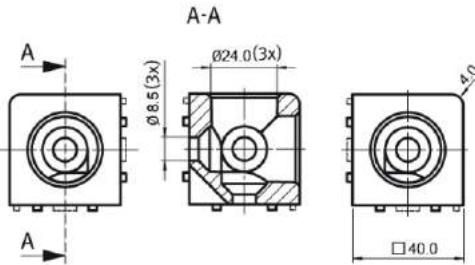
used to connect three aluminium profiles at 90°; cover cap included

**Material Surface**

die cast aluminium plain



2



**2 242 4003\***

Cubic Connector 40 - 3D



94.5 g



1

\* Includes:

Cover Cap  
Does not include screws

Cubic Connector

Joining Elements

## Cubic Connector 45 - 2D

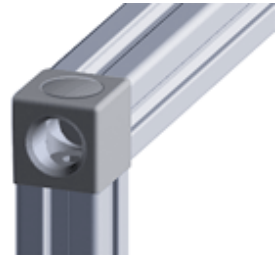
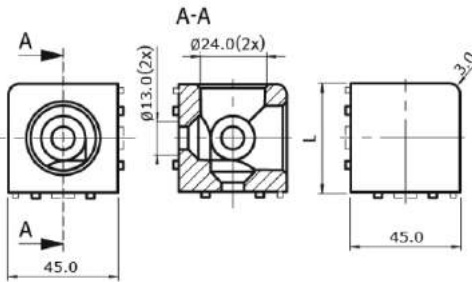
2

**Description**

used to connect two aluminium profiles at 90°; cover cap included

**Material Surface**

die cast aluminium plain



Cubic Connector

**2 242 4502\***

Cubic Connector 45 - 2D

170.0 g

1

Joining Elements

\* Includes:

Cover Cap  
Does not include screws

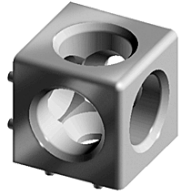
## Cubic Connector 45 - 3D

**Description**

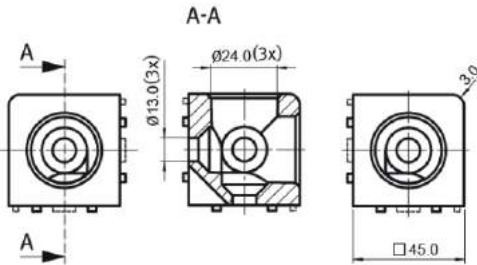
used to connect three aluminium profiles at 90°; cover cap included

**Material Surface**

die cast aluminium plain



2



**2 242 4503\***

Cubic Connector 45 - 3D

151.2 g

1

\* Includes:

Cover Cap  
Does not include screws

Cubic Connector

Joining Elements

## Pivot Joint 30



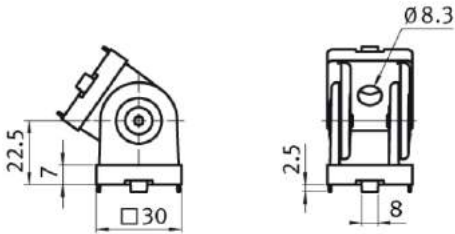
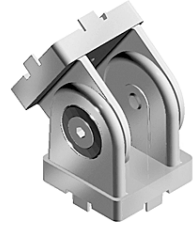
### Description

used to make pivoting connection between two profiles

2

### Material Surface

die cast zinc aluminium colour painted



Pivot Joint

Joining Elements

**2 229 3001**

Pivot Joint 30

134.0 g

1

## Pivot Joint 30 with Locking Lever

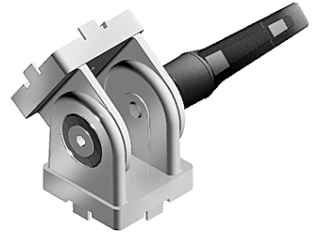


### Description

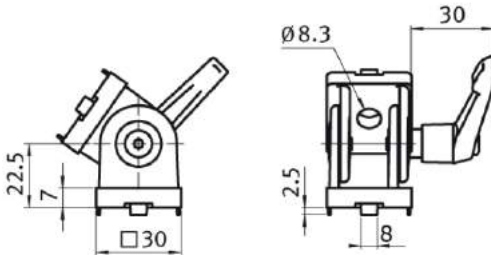
used to make pivoting connection between two profiles - locking lever included

### Material Surface

die cast zinc  
aluminium colour painted



2



**2 229 3002**

Pivot Joint 30 with Locking Lever

156.0 g

1

Pivot Joint

Joining Elements

## Pivot Joint 40



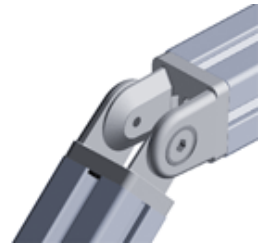
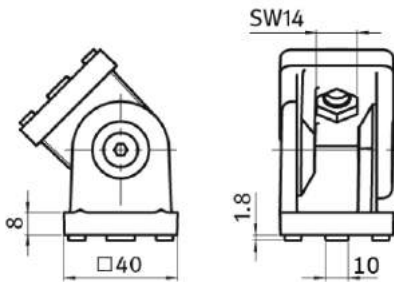
**Description**

used to make pivoting connection between two profiles

2

**Material Surface**

die cast zinc aluminium colour painted



Pivot Joint

**2 229 4001**

Pivot Joint 40

305.0 g

1

Joining Elements



## Pivot Joint 40 with Locking Lever

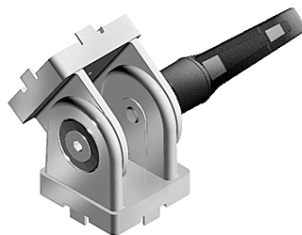


**Description**

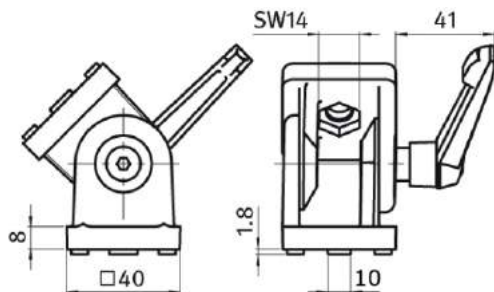
used to make pivoting connection between two profiles - locking lever included

**Material Surface**

die cast zinc aluminium colour painted



2



**2 229 4002**

Pivot Joint 40 with Locking Lever

338.0 g

1

Pivot Joint  
Joining Elements

## Pivot Joint 45



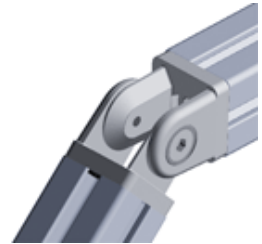
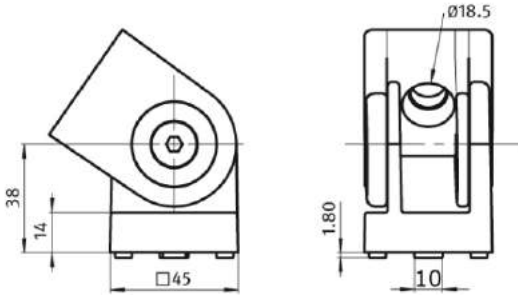
### Description

used to make pivoting connection between two profiles

2

### Material Surface

die cast zinc  
aluminium colour painted



Pivot Joint

**2 229 4501**

Pivot Joint 45

264.0 g

1

Joining Elements

## Pivot Joint 45 with Locking Lever

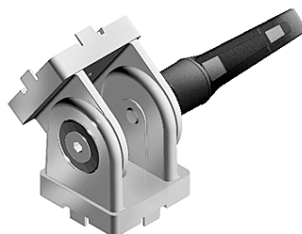


### Description

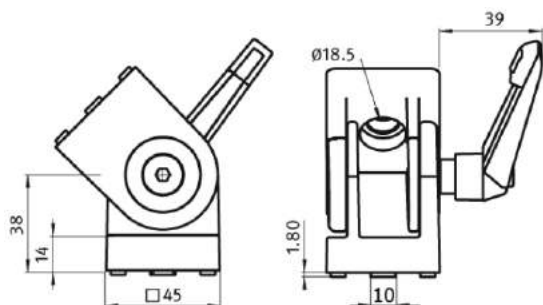
used to make pivoting connection between two profiles - locking lever included

### Material Surface

die cast zinc  
aluminium colour painted



2



**2 229 4502**

Pivot Joint 45 with Locking Lever

289.0 g

1

Pivot Joint

Joining Elements

## End Connector 3030



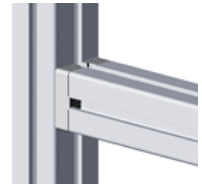
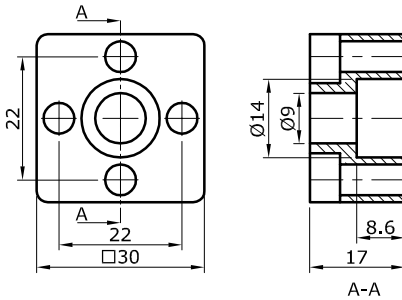
**Description**

used to connect two aluminium profiles to each other at 90° or 180°

2

**Material Surface**

steel galvanised



End Connector

**2 245 3001**

End Connector 3030

55.0 g 10

Joining Elements

## End Connector 4545



### Description

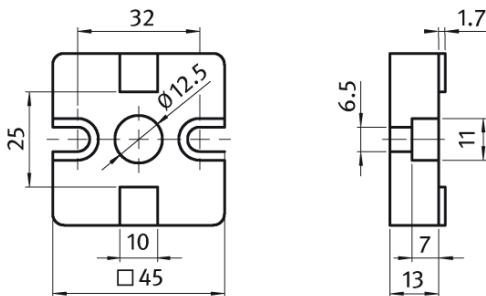
used to connect two aluminium profiles to each other at 90° or 180°

### Material Surface

steel  
galvanised



2



**2 245 4501**

End Connector 4545

185.0 g 10

End Connector

Joining Elements

## End Connector 4560



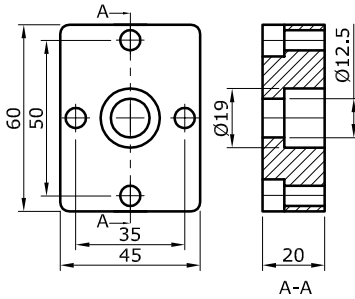
**Description**

used to connect two aluminium profiles to each other at 90° or 180°

2

**Material Surface**

steel galvanised



End Connector

**2 245 4601**

End Connector 4560

306.0 g

10

Joining Elements

## End Connector 4590

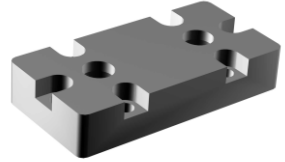


**Description**

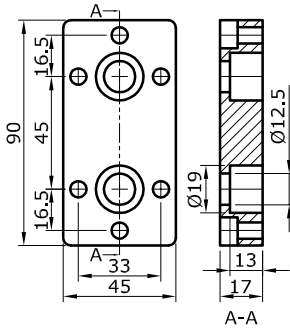
used to connect two aluminium profiles to each other at 90° or 180°

**Material Surface**

steel  
galvanised



2



**2 245 4901**

End Connector 4590

352.0 g 10

End Connector

Joining Elements

## End Connector 4040



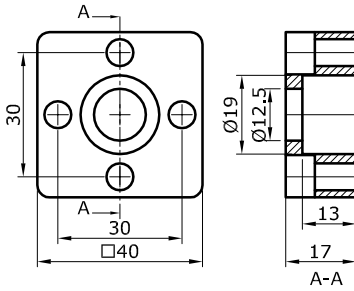
**Description**

used to connect two aluminium profiles to each other at 90° or 180°

2

**Material Surface**

steel galvanised



End Connector

**2 245 4001**

End Connector 4040

107.0 g

10

Joining Elements



## End Connector 4080

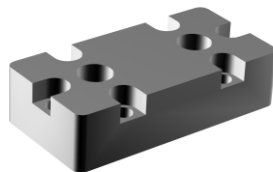


**Description**

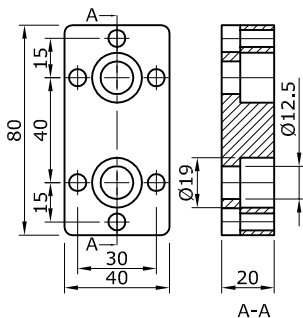
used to connect two aluminium profiles to each other at 90° or 180°

**Material Surface**

steel galvanised



2



**2 245 4801**

End Connector 4080

288.0 g 10

End Connector

Joining Elements

## Base Plate 4080

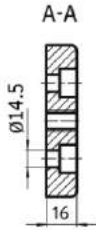
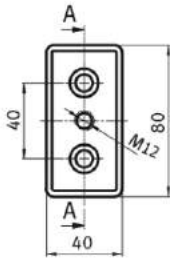
2

### Description

used to mount levelling feet, casters, hooks; bolts to the end of the aluminium profile

### Material Surface

die cast zinc plain



Base Plate

**2 252 4801**

Base Plate 4080

188.0 g

1

Joining Elements

## Base Plate 8080

### Description

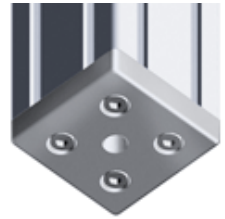
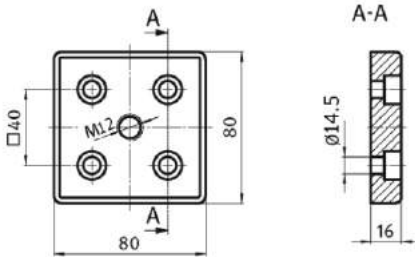
used to mount levelling feet, casters, hooks; bolts to the end of the aluminium profile

### Material Surface

die cast zinc plain



2



**2 252 8001**

Base Plate 8080

380.0 g

1

Base Plate

Joining Elements

## Base Plate 4590

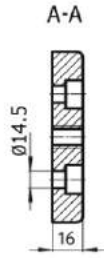
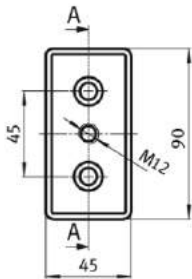
### Description

used to mount levelling feet, casters, hooks; bolts to the end of the aluminium profile

2

### Material Surface

die cast zinc plain



Base Plate

Joining Elements

**2 252 4901**

Base Plate 4590

255.0 g

1

## Base Plate 9090

### Description

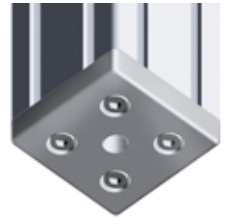
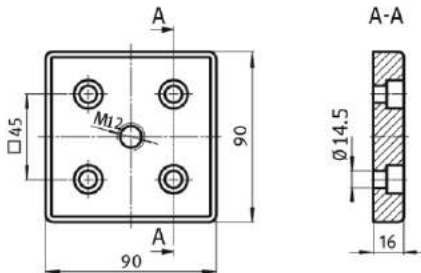
used to mount levelling feet, casters, hooks; bolts to the end of the aluminium profile

### Material Surface

die cast zinc plain



2



**2 252 9001**

Base Plate 9090

480.0 g

1

Base Plate

Joining Elements

123

## Straight Plate 2040



**Description**

to connect two aluminium profiles

2

**Material Surface**

sheet metal  
black powder coated

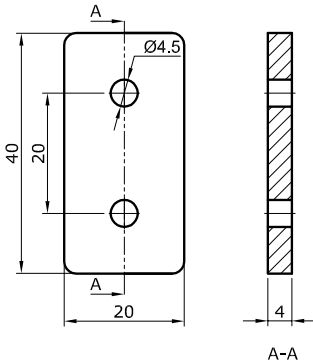


Plate Connector

**2 253 2001**

Straight Plate 2040

10

Joining Elements

## Straight Plate 3060



**Description**

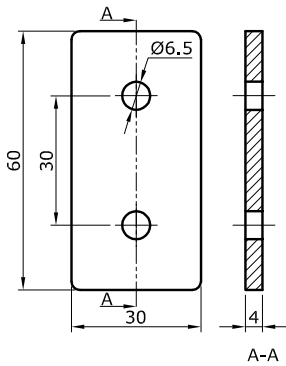
to connect two aluminium profiles

**Material Surface**

sheet metal  
black powder coated



2



**2 253 3001**

Straight Plate 3060

10

Joining Elements **Plate Connector**

## Straight Plate 4080



**Description**

to connect two aluminium profiles

2

**Material Surface**

sheet metal  
black powder coated

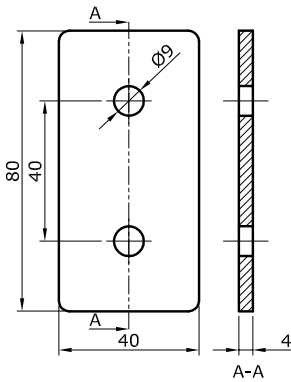


Plate Connector

**2 253 4001**

Straight Plate 4080

10

Joining Elements



## Straight Plate 4590



**Description**

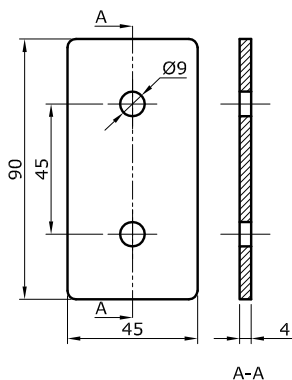
to connect two aluminium profiles

**Material Surface**

sheet metal  
black powder coated



2



**2 253 4501**

Straight Plate 4590

10

Plate Connector

Joining Elements

## T Plate Connector 30



**Description**

to connect two aluminium profiles

2

**Material Surface**

sheet metal  
black powder coated

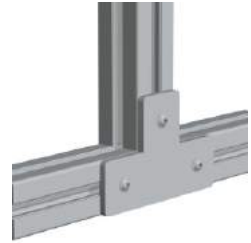
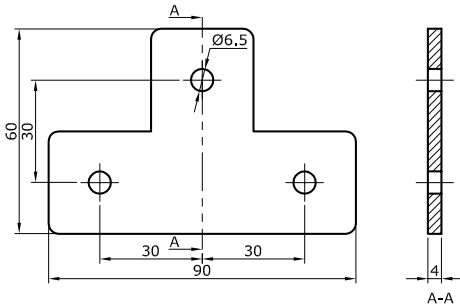


Plate Connector

**2 253 3002**

T Plate Connector 30

10

Joining Elements

## T Plate Connector 40



**Description**

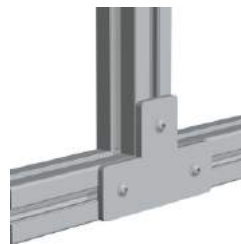
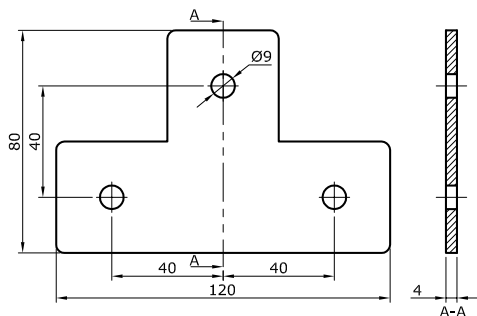
to connect two aluminium profiles

**Material Surface**

sheet metal  
black powder coated



2



**2 253 4002**

T Plate Connector 40

10

Plate Connector

Joining Elements

## T Plate Connector 45



**Description**

to connect two aluminium profiles

2

**Material Surface**

sheet metal  
black powder coated

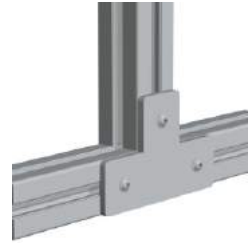
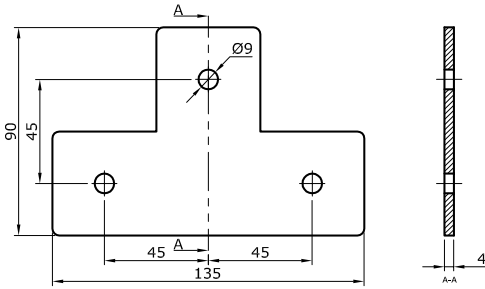


Plate Connector

**2 253 4502**

T Plate Connector 45

10

Joining Elements

## Corner Plate 30

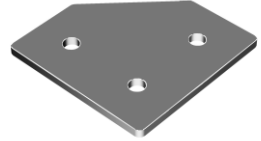


**Description**

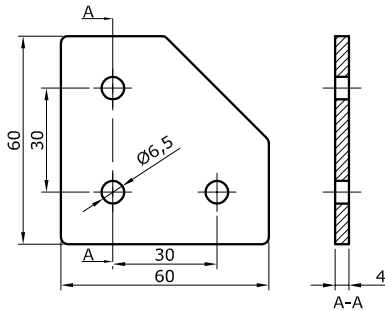
to connect two aluminium profiles

**Material Surface**

sheet metal  
black powder coated



2



**2 253 3003**

Corner Plate 30

10

Joining Elements **Plate Connector**

## Corner Plate 40



**Description**

to connect two aluminium profiles

2

**Material Surface**

sheet metal  
black powder coated

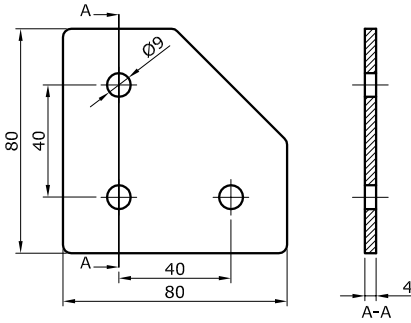
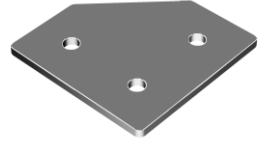


Plate Connector

**2 253 4003**

Corner Plate 40

10

Joining Elements

## Floor Bracket

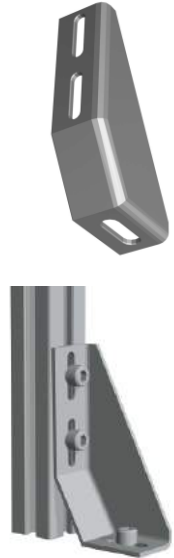
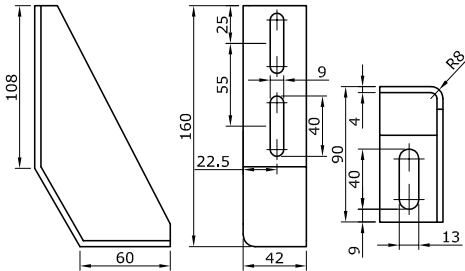


**Description**

to mount aluminium profiles as a post

**Material Surface**

sheet metal  
black powder coated



2

**2 281 1001**

Floor Bracket

460.0 g

1

Floor Bracket

Joining Elements

## Floor Bracket 120 - 8



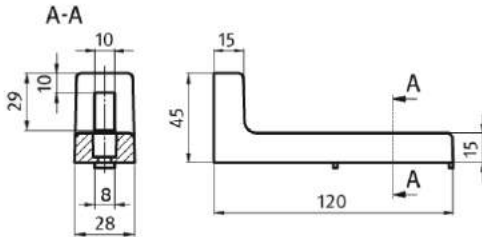
**Description**

to mount aluminium profiles as a post

2

**Material Surface**

die cast zinc plain



Floor Bracket

**2 281 0802**

Floor Bracket 120

84.0 g

1

Joining Elements



## Floor Bracket 120 - 10

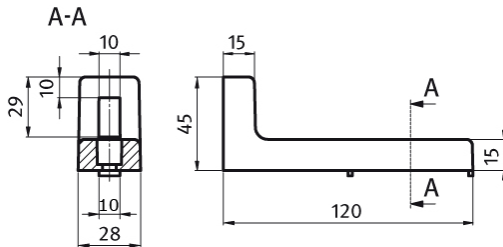


**Description**

to mount aluminium profiles as  
a post

**Material  
Surface**

die cast zinc  
plain



2

**2 281 1002**

Floor Bracket 120

84.0 g 1

Floor Bracket

Joining Elements

## Floor Mount Base 40

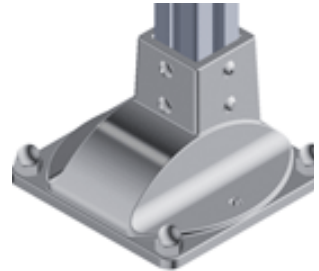
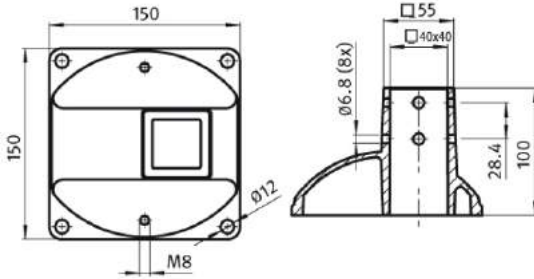
**Description**

to mount aluminium profiles as a post

2

**Material Surface**

die cast aluminium plain



Floor Bracket

**2 281 1003**

Floor Mount Base 40

940.0 g

1

Joining Elements

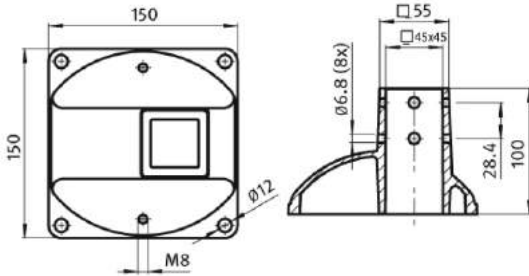
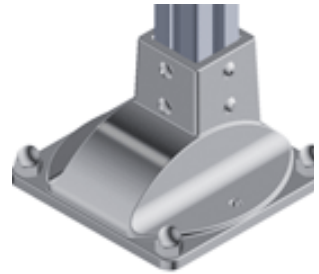
## Floor Mount Base 45

**Description**

to mount aluminium profiles as a post

**Material Surface**

die cast aluminium plain



**2 281 1004**

Floor Mount Base 45

$\varnothing$  820.0 g

$\varnothing$  1

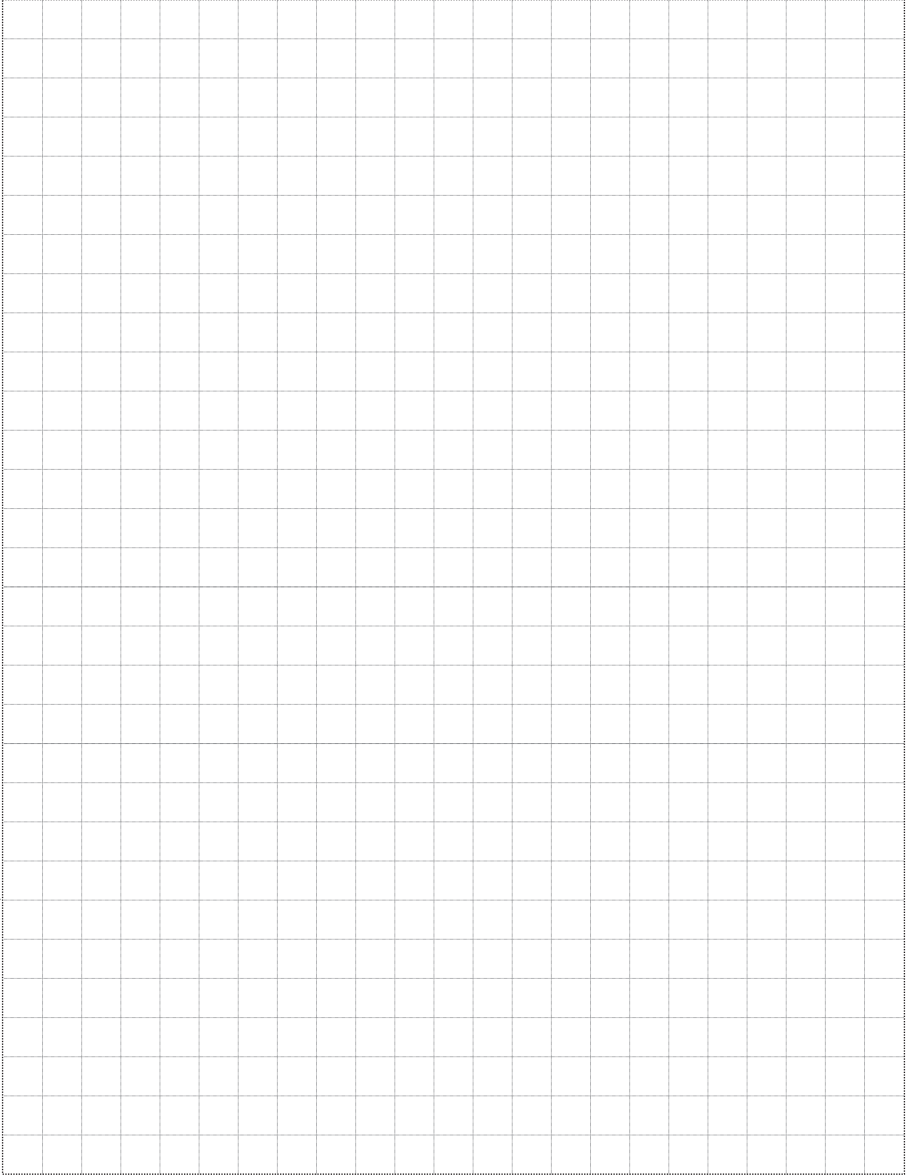
Floor Bracket

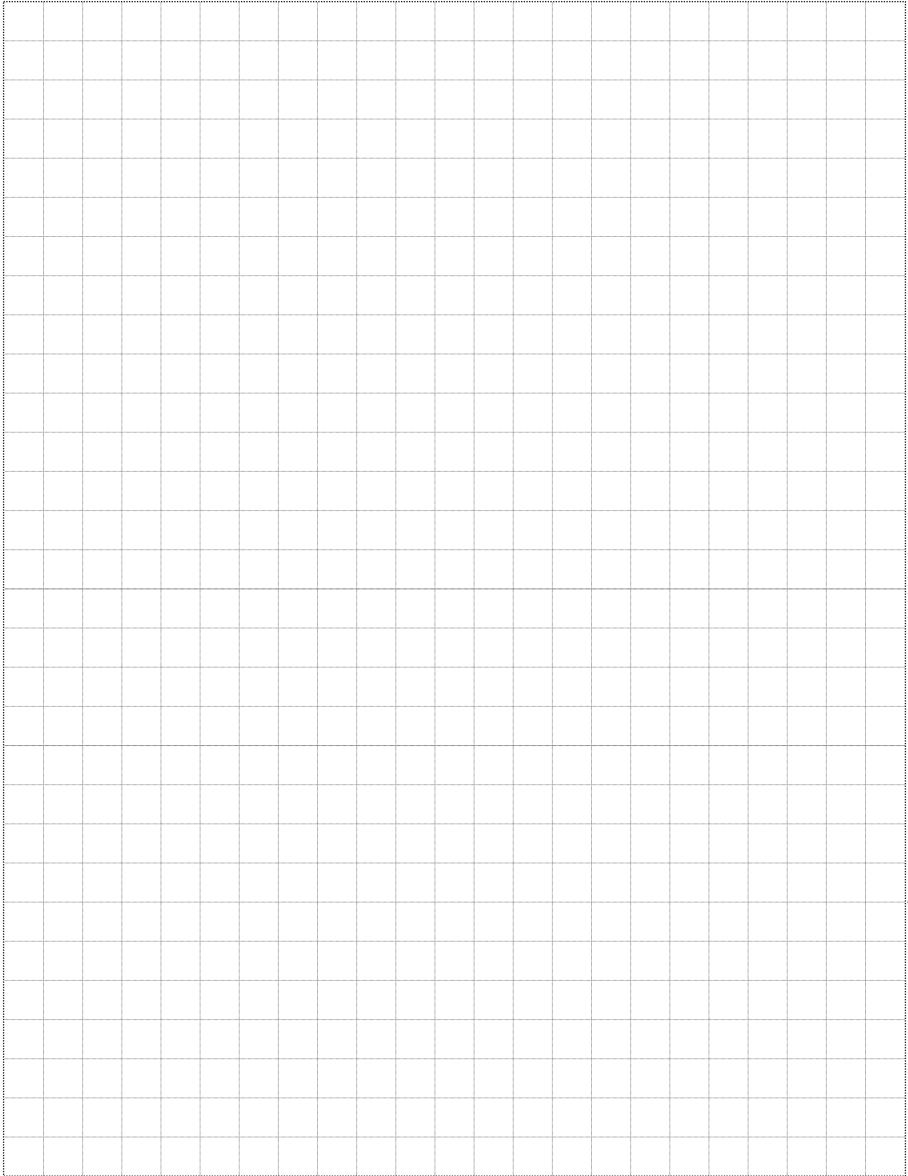
Joining Elements

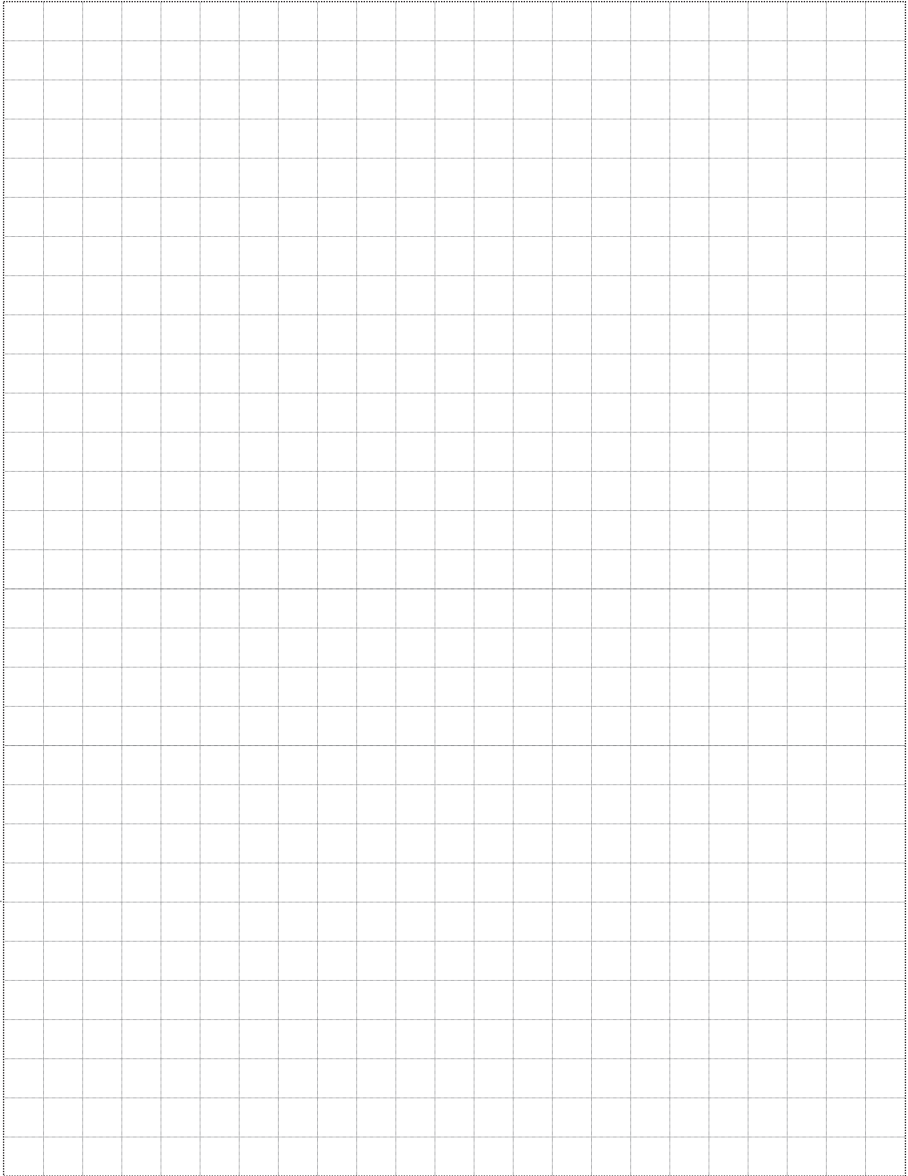
2

2

Joining Elements







Joining Elements

## Fastening Elements

3

**T Nut**  
**T Bolt**  
**Flange Nut**  
**T Slot Nut**  
**Leaf Spring Nut**  
**Spring Nut**  
**Button Head Screws**



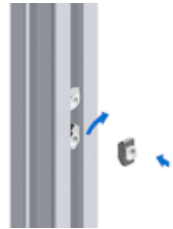
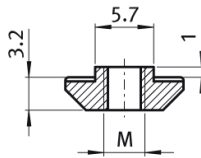
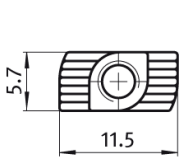


## T Nut 6



### Description

to fasten components to profile, ensuring a safe electrical conductive connection



**3 311 0604**

T Nut 6 | M4 | Steel | Zinc Plated

100

3

T Nut  
Fastening Elements

## T Nut 8

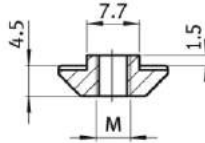
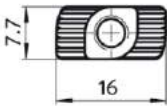


### Description

to fasten components to profile, ensuring a safe electrical conductive connection



3



T Nut

Fastening Elements

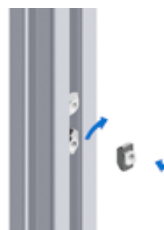
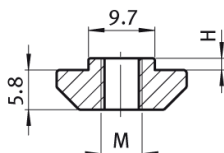
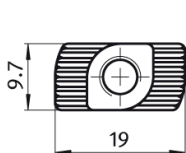
<b>3 311 0804</b>	T Nut 8   M4   Steel   Zinc Plated	⊙ 100
<b>3 311 0805</b>	T Nut 8   M5   Steel   Zinc Plated	⊙ 100
<b>3 311 0806</b>	T Nut 8   M6   Steel   Zinc Plated	⊙ 100
<b>3 411 0806</b>	T Nut 8   M6   SS   SS 316	⊙ 100

## T Nut 10



### Description

to fasten components to profile, ensuring a safe electrical conductive connection



<b>3 311 1004</b>	T Nut 10   M4   Steel   Zinc Plated	100
<b>3 311 1005</b>	T Nut 10   M5   Steel   Zinc Plated	100
<b>3 311 1006</b>	T Nut 10   M6   Steel   Zinc Plated	100
<b>3 311 1008</b>	T Nut 10   M8   SS   Zinc Plated	100
<b>3 411 1008</b>	T Nut 10   M8   SS   SS 316	10

## T Bolt 8

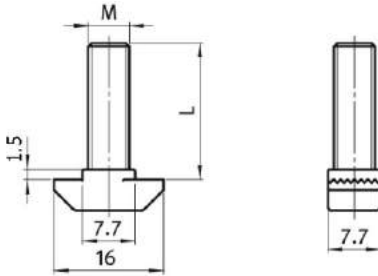


### Description

to fasten components to profile, ensuring a safe electrical conductive connection



3



T Bolt

Fastening Elements

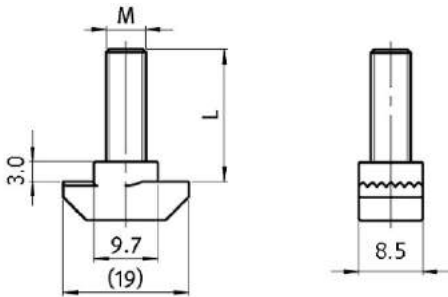
<b>3 321 0801</b>	T Bolt 8   M6x20   Steel   Zinc Plated	⊙ 10
<b>3 321 0802</b>	T Bolt 8   M6x25   Steel   Zinc Plated	⊙ 10
<b>3 321 0804</b>	T Bolt 8   M6x40   Steel   Zinc Plated	⊙ 10
<b>3 421 0802</b>	T Bolt 8   M6x25   SS   SS 316	⊙ 10

## T Bolt 10



### Description

to fasten components to profile, ensuring a safe electrical conductive connection



<b>3 321 1002</b>	T Bolt 10   M8x25   Steel   Zinc Plated	⊕ 10
<b>3 321 1003</b>	T Bolt 10   M8x30   Steel   Zinc Plated	⊕ 10
<b>3 321 1004</b>	T Bolt 10   M8x40   Steel   Zinc Plated	⊕ 10
<b>3 321 1006</b>	T Bolt 10   M8x60   Steel   Zinc Plated	⊕ 10
<b>3 421 1002</b>	T Bolt 10   M8x25   SS   SS 316	⊕ 10
<b>3 421 1006</b>	T Bolt 10   M8x60   SS   SS 316	⊕ 10

3

Fastening Elements T Bolt

## Flange Nut 6

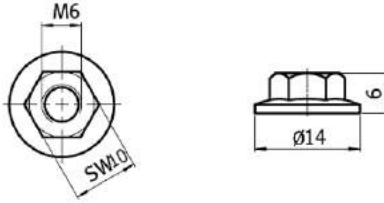
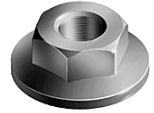


### Description

to be used in conjunction with  
T Bolt

### Material Surface

steel  
zinc plated



Flange Nut

**3 312 0006**

Flange Nut 6 | M6

100

Fastening Elements

## Flange Nut 8

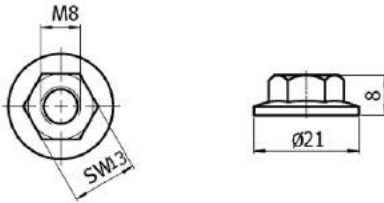
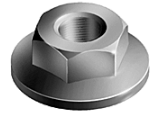


**Description**

to be used in conjunction with  
T Bolt

**Material  
Surface**

steel  
zinc plated



**3 312 0008**

Flange Nut 8 | M8

100

3

Flange Nut  
Fastening Elements

## T Slot Nut 8

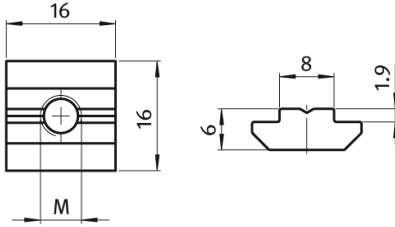
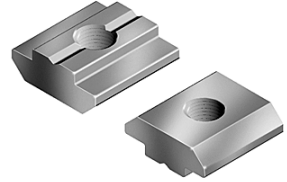


### Description

self aligning T Slot Nut for fastening components to the profile

### Material Surface

steel  
zinc plated



T Slot Nut

Fastening Elements

<b>3 313 0804</b>	T Slot Nut 8   M4	10
<b>3 313 0805</b>	T Slot Nut 8   M5	10
<b>3 313 0806</b>	T Slot Nut 8   M6	10



## T Slot Nut 10

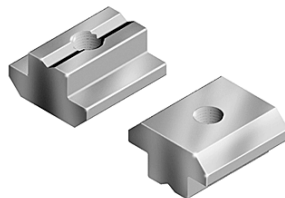


**Description**

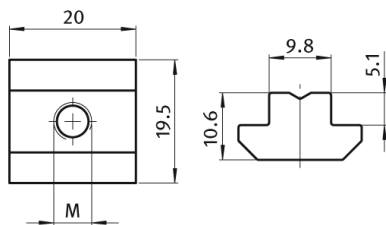
self aligning T Slot Nut for fastening components to the profile

**Material Surface**

steel  
zinc plated



3



<b>3 313 1004</b>	T Slot Nut 10   M4	⌀ 10
<b>3 313 1005</b>	T Slot Nut 10   M5	⌀ 10
<b>3 313 1006</b>	T Slot Nut 10   M6	⌀ 10
<b>3 313 1008</b>	T Slot Nut 10   M8	⌀ 10

Fastening Elements T Slot Nut

## Roll in Nut 8

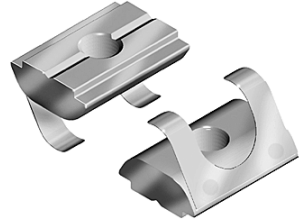


**Description**

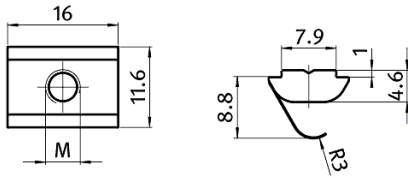
self aligning roll in T Slot Nut for fastening components to the profile

**Material Surface**

steel  
zinc plated



3



Leaf Spring Nut

Fastening Elements

<b>3 314 0804</b>	Roll in Nut 8   M4	10
<b>3 314 0805</b>	Roll in Nut 8   M5	10
<b>3 314 0806</b>	Roll in Nut 8   M6	10

## Roll in Nut 10

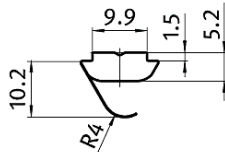
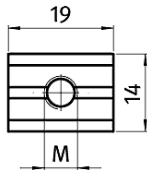
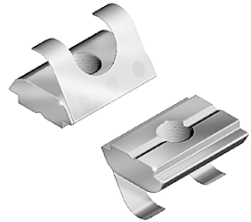


**Description**

self aligning roll in T Slot Nut  
for fastening components to the  
profile

**Material  
Surface**

steel  
zinc plated



<b>3 314 1004</b>	Roll in Nut 10   M4	⑩ 10
<b>3 314 1006</b>	Roll in Nut 10   M6	⑩ 10
<b>3 314 1008</b>	Roll in Nut 10   M8	⑩ 10

## Spring Nut 8

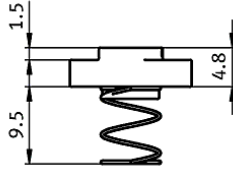
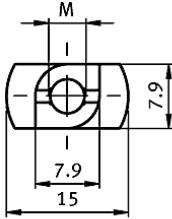
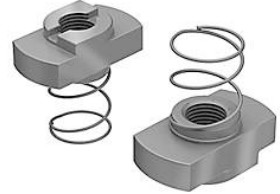


### Description

self securing spring nut to fasten components to profiles

### Material Surface

steel  
zinc plated



Spring Nut

Fastening Elements

**3 316 0804**

Spring Nut 8 | M4

10

**3 316 0806**

Spring Nut 8 | M6

10

## Spring Nut 10



### Description

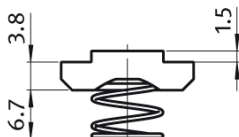
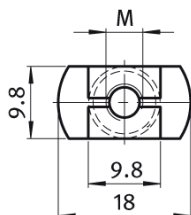
self securing spring nut to fasten components to profiles



### Material Surface

steel  
zinc plated

3



<b>3 316 1004</b>	Spring Nut 10   M4	⊕ 10
<b>3 316 1006</b>	Spring Nut 10   M6	⊕ 10
<b>3 316 1008</b>	Spring Nut 10   M8	⊕ 10

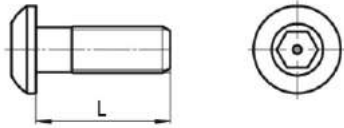
Spring Nut

Fastening Elements

## Button Head Screws

**Description** | to be used with nuts

**Material** | galvanised steel

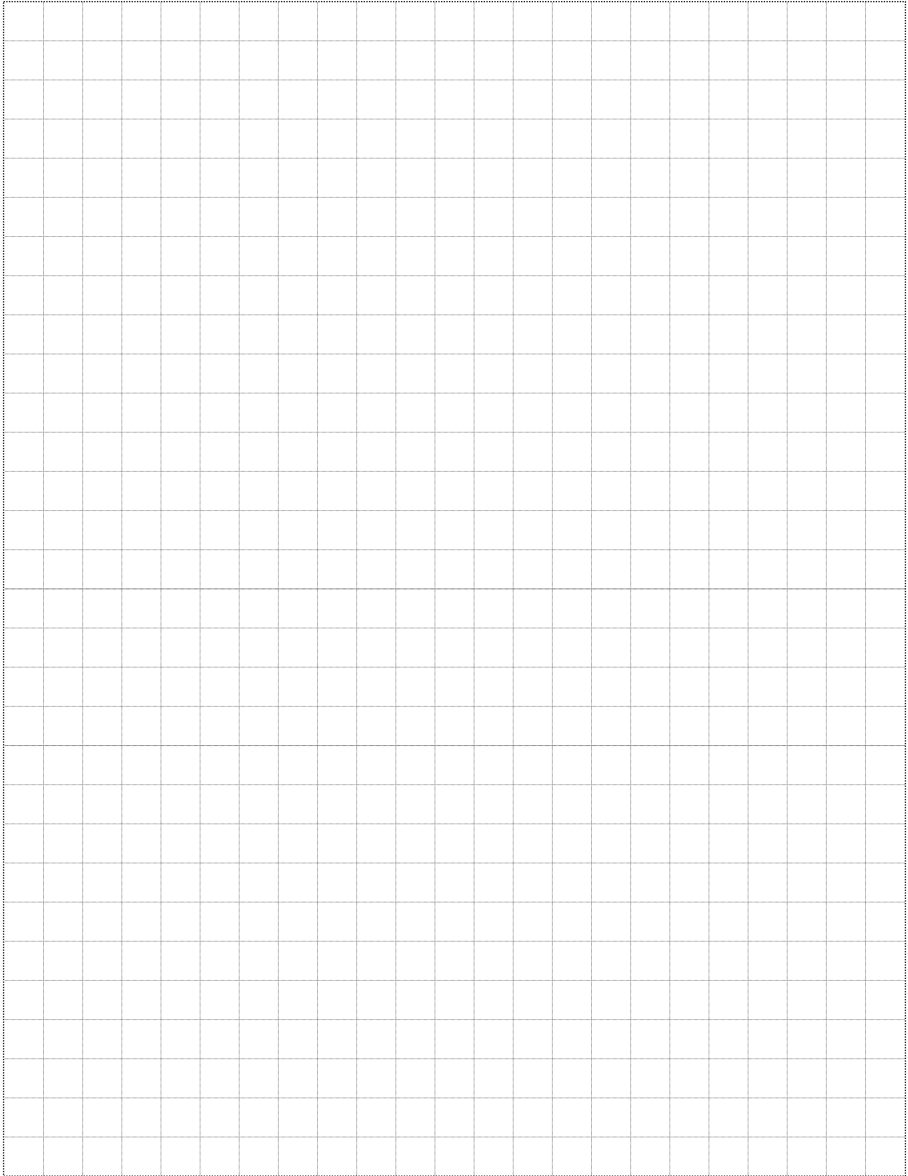


Button Head Screws

Fastening Elements

<b>9 142 0408</b>	Button Head Screw	M4	L:8	⊕ 100
<b>9 142 0612</b>	Button Head Screw	M6	L:12	⊕ 100
<b>9 142 0820</b>	Button Head Screw	M8	L:20	⊕ 100

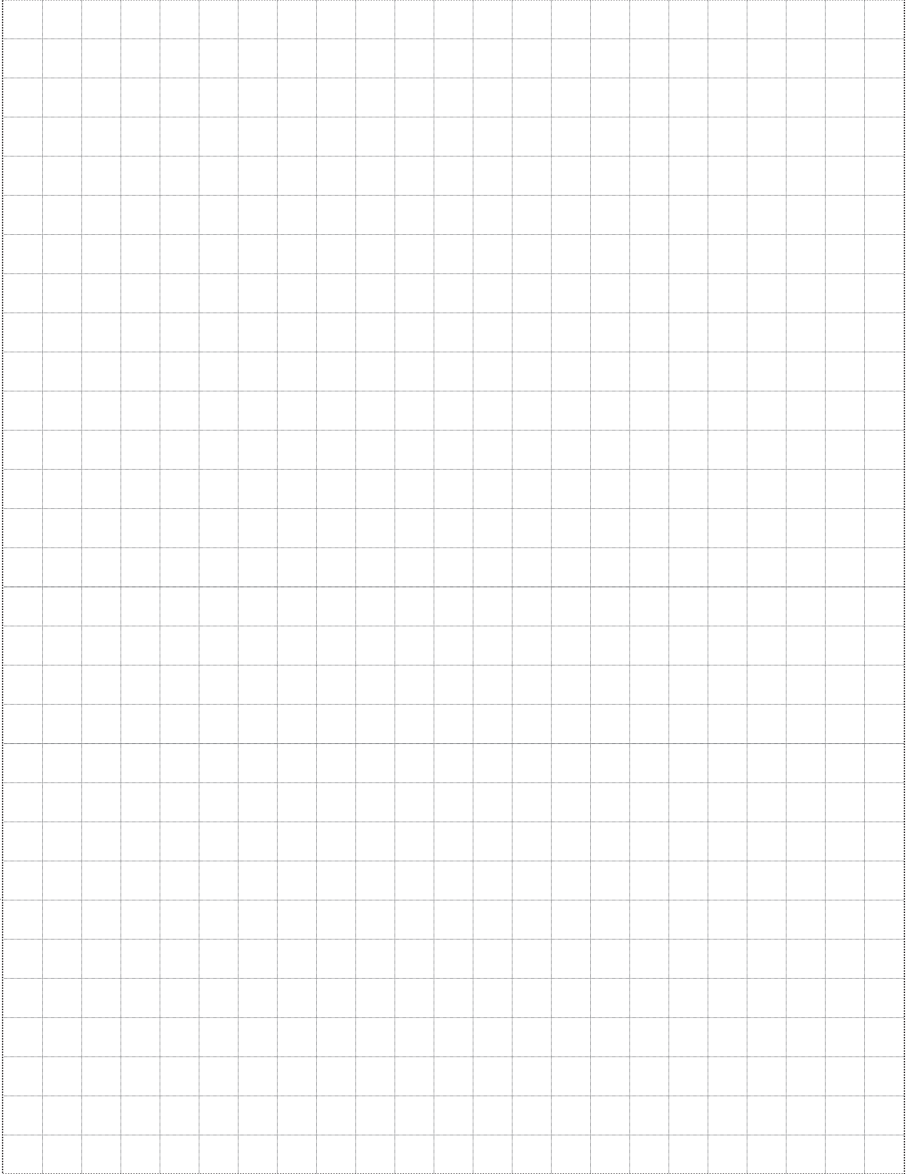
Dimension Of L In mm



Fastening elements

3

Fastening Elements





## Profile Accessories

4

**Rollers**  
**Tool Hangers**  
**Levelling Feet**  
**Handles**  
**Panel Mounting**  
**Metal Hinges**  
**Plastic Hinges**  
**Aluminium Hinges**  
**Stainless Steel Hinges**  
**Latches**  
**Cable Binding Blocks**



## Roller Element, Clip-flix



**Description**

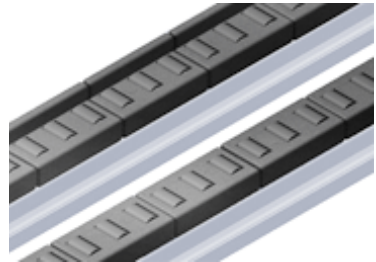
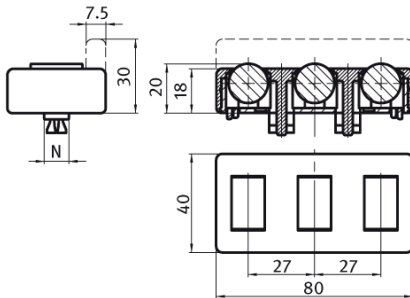
to guide moving parts in the slot of the aluminium profile, with ball bearing

**Material**

casing: PA6 with 30% glass filled  
Rollers: plastic POM

**Colour**

black



4

**4 382 1000**

Without Lateral Guide | N:8-10

⌀ 10

**4 382 1100**

With Lateral Guide | N:8-10

⌀ 10

## Roller Element, Screw On Version



**Description**

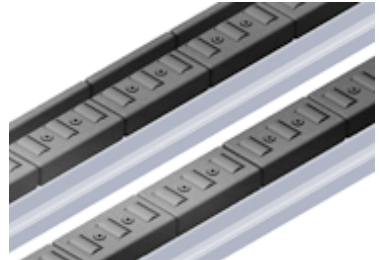
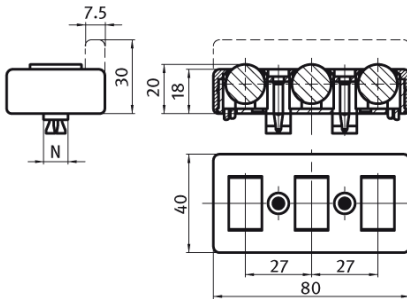
for manufacturing roller conveyors in any width and length

**Material**

Casing: PA6 with 30% glass filled  
Rollers: plastic POM

**Colour**

black



<b>4 382 2000</b>	Without Lateral Guide   N:0/8/10	⊕ 10
<b>4 382 2100</b>	With Lateral Guide   N:0/8/10	⊕ 10

## Roller Ø 29



**Description**

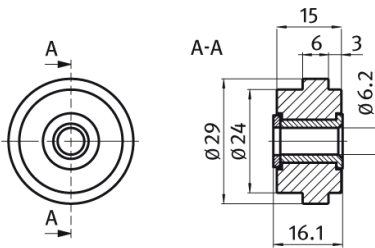
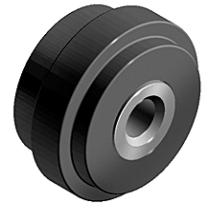
to guide moving parts in the slot of the aluminium profile

**Material**

Roller: PA6 with 30% glass filled  
Bush: steel, zinc plated  
Washer: steel, zinc plated

**Colour**

black



4

**4 381 2906**

Roller Ø 29



## Roller Ø 58



**Description**

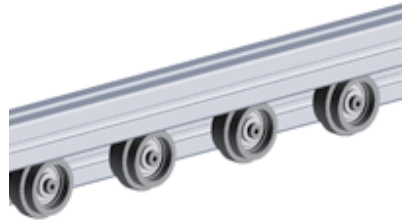
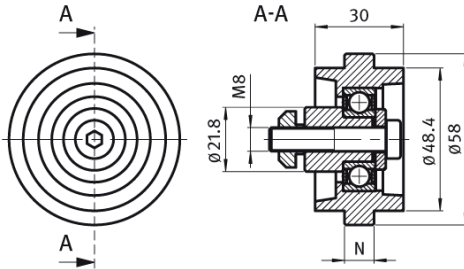
to guide moving parts in the slot of the aluminium profile, with ball bearing

**Material**

nylon PA, glass ball reinforced

**Colour**

black



4

Rollers

Profile Accessories

**4 381 5810**

Roller Ø 58

| N:10

⊕ 10

## Tool Hanger 6



**Description**

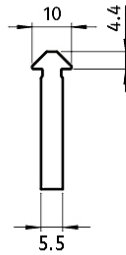
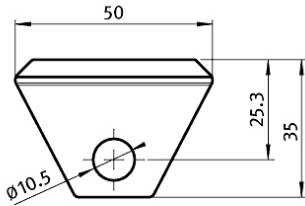
tool hanger is to hang tools in workshop

**Material Surface**

polyamide  
black



4



**3 371 0601**

Tool Hanger 6

10

Tool Hanger

Profile Accessories

## Tool Hanger 8



**Description**

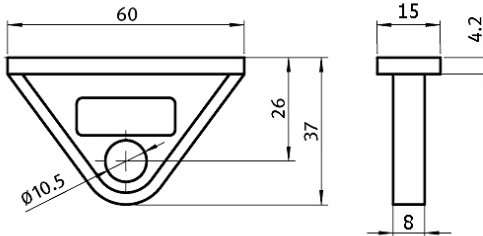
tool hanger is to hang tools in workshop

**Material Surface**

polyamide  
black



4



Tool Hanger

**3 371 0801**

Tool Hanger 8

10

Profile Accessories



## Tool Hanger 10



**Description**

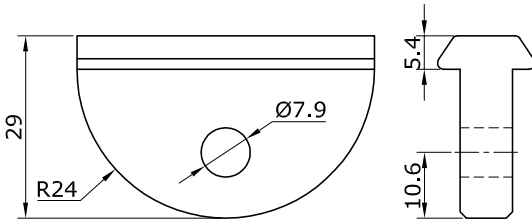
tool hanger is to hang tools in workshop

**Material Surface**

polyamide  
black



4



**3 371 1001**

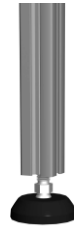
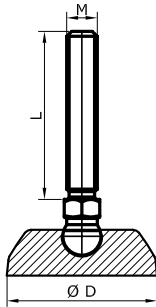
Tool Hanger 10

Q 10

Profile Accessories **Tool Hanger**

## Levelling Feet, Nylon

- Description** | swivelling levelling foot for secure positioning on uneven floors
- Material** | Base: nylon PA6  
Stud: zinc plated steel
- Colour** | black



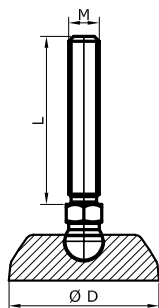
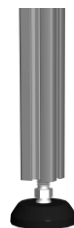
Levelling Feet

Profile Accessories

<b>4 402 0640</b>	Base Dia 25   M6 X 40	Max Load (kg):405	⊕ 10
<b>4 403 0840</b>	Base Dia 30   M8 X 40	Max Load (kg):500	⊕ 10
<b>4 404 0840</b>	Base Dia 40   M8 X 40	Max Load (kg):900	⊕ 10
<b>4 406 1266</b>	Base Dia 60   M12 X 66	Max Load (kg):900	⊕ 10
<b>4 406 1299</b>	Base Dia 60   M12 X 100	Max Load (kg):900	⊕ 10
<b>4 408 1266</b>	Base Dia 80   M12 X 66	Max Load (kg):900	⊕ 10

## Levelling Feet, Die Cast Zinc

- Description** | swivelling levelling foot for secure positioning on uneven floors
- Material** | Base: die cast zinc  
Stud: zinc plated steel
- Colour** | black powder coated



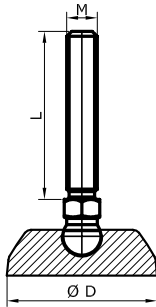
<b>4 423 0840</b>	Base Dia 30   M8 X 40   Max Load (kg):2000	⌀ 10
<b>4 424 0840</b>	Base Dia 40   M8 X 40   Max Load (kg):3000	⌀ 10
<b>4 426 1266</b>	Base Dia 60   M12 X 66   Max Load (kg):3000	⌀ 10
<b>4 426 1299</b>	Base Dia 60   M12 X 100   Max Load (kg):3000	⌀ 10
<b>4 428 1266</b>	Base Dia 80   M12 X 66   Max Load (kg):3000	⌀ 10

## Levelling Feet, Stainless Steel

**Description** | swivelling levelling foot for secure positioning on uneven floors

**Material** | Base: stainless steel  
Stud: zinc plated steel

**Colour** | plain



4

Levelling Feet

Profile Accessories

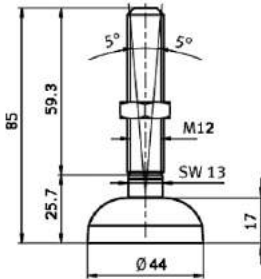
<b>4 443 0840</b>	Base Dia 30   M8 X 40   Max Load (kg):2000	⊕ 10
<b>4 444 0840</b>	Base Dia 40   M8 X 40   Max Load (kg):3000	⊕ 10
<b>4 446 1266</b>	Base Dia 60   M12 X 66   Max Load (kg):3500	⊕ 10
<b>4 446 1299</b>	Base Dia 60   M12 X 100   Max Load (kg):3500	⊕ 10
<b>4 448 1266</b>	Base Dia 80   M12 X 66   Max Load (kg):3500	⊕ 10

## Levelling Feet, Steel

<b>Description</b>	levelling foot for slightly uneven floors
<b>Material</b>	Base: steel Stud: steel
<b>Surface</b>	zinc plated



4



**4 400 1285**

Base Dia 45 | M12x85 | Max Load (kg):1000

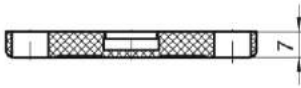
10

Levelling Feet

Profile Accessories

## Anti-slip Plate For Levelling Feet

- Description** | absorbs vibration when fixed to base of levelling feet, and prevents movement of levelling feet on slippery surfaces
- Material** | TPE
- Colour** | black



4

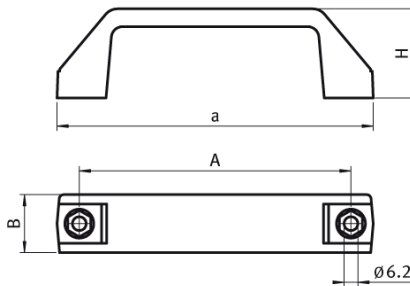
Levelling Feet

Profile Accessories

<b>4 499 0025</b>	For Feet Base Dia 25	⌀ 10
<b>4 499 0030</b>	For Feet Base Dia 30	⌀ 10
<b>4 499 0040</b>	For Feet Base Dia 40	⌀ 10
<b>4 499 0060</b>	For Feet Base Dia 60	⌀ 10
<b>4 499 0080</b>	For Feet Base Dia 80	⌀ 10

## Bridge Handle

- Description** | to mount on doors, flaps and aluminium profiles
- Material** | PA6 with 30% glass filled
- Fastening** | from the front, using hexagon cap screws or socket cap screws
- Colour** | black



<b>4 301 0122</b>	Handle 122   M6   a:142.0   A:122.0   B:26.0   H:40.0	10
<b>4 301 0152</b>	Handle 152   M6   a:170.0   A:152.0   B:28.0   H:52.0	10

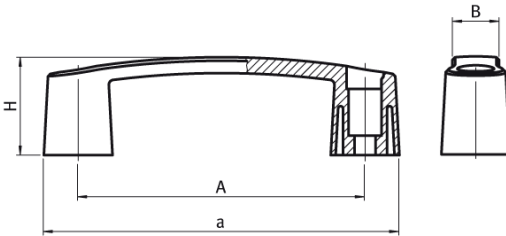
Dimensions of a, A, B, H are in mm

## Bridge Handle

- Description** | to mount on doors, flaps and aluminium profiles
- Material** | Pa6 with 30% glass filled
- Fastening** | from the front, using socket cap screws
- Colour** | black



4



Handles

Profile Accessories

<b>4 302 0094</b>	Handle 94	M6	a:120.0	A:94.0	B:17.0	H:35.0	⌀10
<b>4 302 0117</b>	Handle 117	M8	a:145.0	A:117.0	B:19.0	H:40.0	⌀10
<b>4 302 0132</b>	Handle 132	M8	a:163.0	A:132.0	B:20.0	H:45.0	⌀10

Dimensions of a, A, B, H are in mm



## Machine Handle 135

**Description**

machine handle with ergonomic design and finger protection;  
To mount on doors, flaps and aluminium profiles;  
Optional with cover caps

**Material**

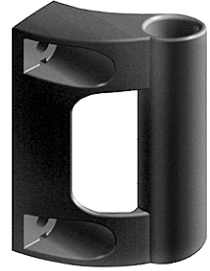
Pa6 with 30% glass filled

**Fastening**

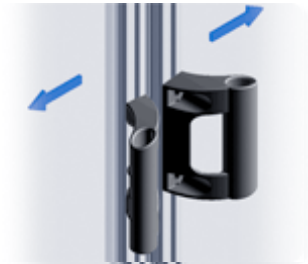
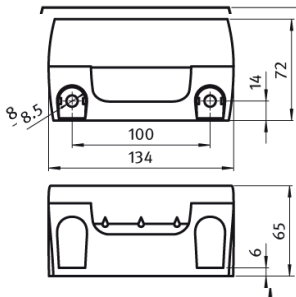
with hexagon cap screws or socket cap

**Colour**

black



4



**4 305 0135**

Machine Handle 135 | M8

⌀ 10

**4 305 5135**

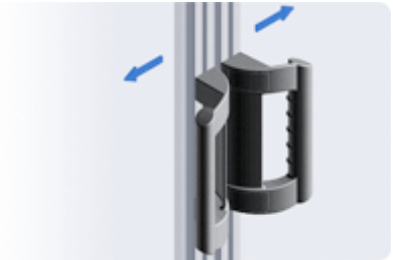
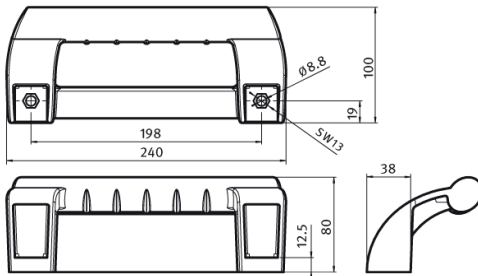
Set of Covering Caps

⌀ 10

Profile Accessories **Handles**

## Machine Handle 240

<b>Description</b>	large machine handle with ergonomic design and finger protection
<b>Material</b>	Pa6 with 30% glass filled
<b>Fastening</b>	from the front, with hexagon cap screws, or from the back using M8 hexagon nuts and bolts screws
<b>Colour</b>	black



Handles

Profile Accessories

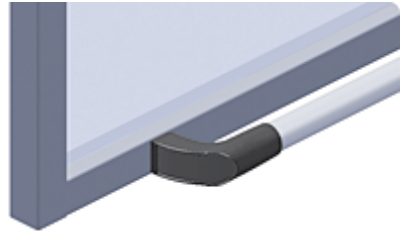
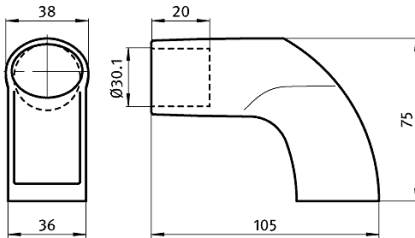
**4 306 0240**

Machine Handle 240 | M8

10

## End Piece For System Handle

<b>Description</b>	to on doors, flaps and aluminium profiles
<b>Material</b>	Pa6 with 30% glass filled
<b>Fastening</b>	front with hexagon screws, back with screws and with screw nuts M8 built into covering caps
<b>Colour</b>	black



<b>4 308 0038</b>	Set End Pieces   M8	⊕ 10
<b>4 308 5038</b>	Set of Covering Caps   M8	⊕ 10

4

## Sealing Profile



**Description**

to seal an acrylic or glass pane  
in the profile

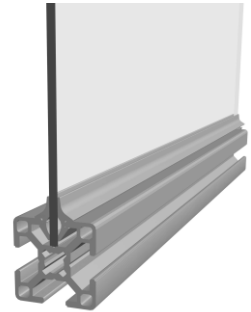
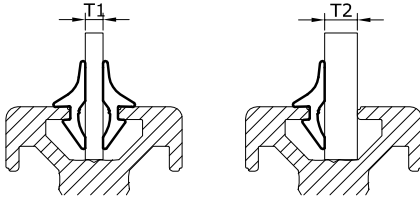
**Material**

TPE

**Colour**

black

4



Panel Mounting

Profile Accessories

<b>4 131 0006</b>	Sealing Profile Groove 6	T1:2	T2:3-4	10m	⊕ 1
<b>4 131 0008</b>	Sealing Profile Groove 8	T1:2-3	T2:4-6	10m	⊕ 1
<b>4 131 0010</b>	Sealing Profile Groove 10	T1:3-5	T2:6-8	10m	⊕ 1

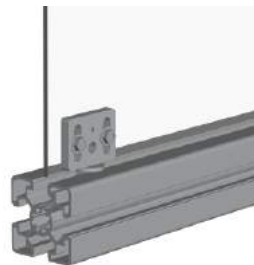
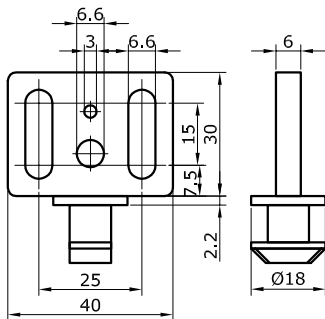
## Slider



**Description** | to slide a glass / acrylic in the profile groove

**Material** | nylon

**Colour** | black



**4 391 0001** Slider



## Folding Door Element



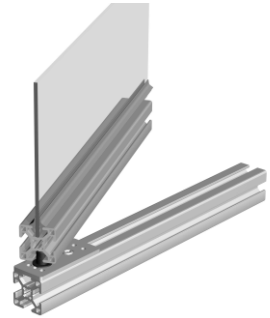
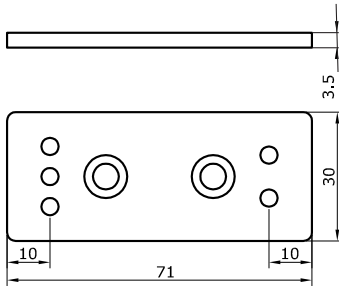
**Description** | sliding enabling the door to open with a swinging movement

**Material** | steel

**Colour** | zinc plated



4



Panel Mounting

**4 391 0002** Cover and Reduction Profile



Profile Accessories

## Uniblock 18



### Description

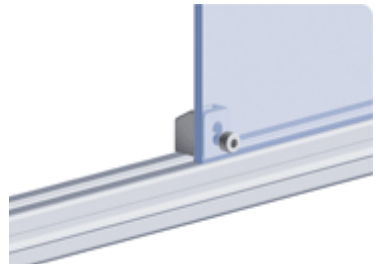
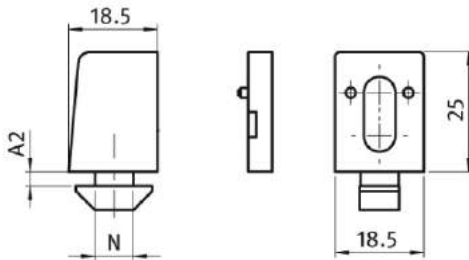
to attach panels easily to aluminium profiles

### Material

Block: PA with 30% glass filled  
Square Nut: zinc plated steel

### Colour

black



**4 331 0108**

Uniblock 18 | M5 | N:8

⌀10

**4 331 0110**

Uniblock 18 | M6 | N:10

⌀10

## Uniblock, Transparent Colourless



**Description**

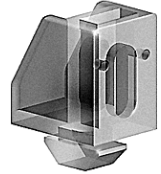
to attach panels easily to aluminium profiles

**Material**

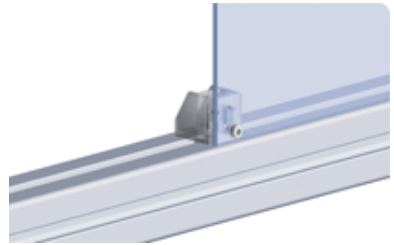
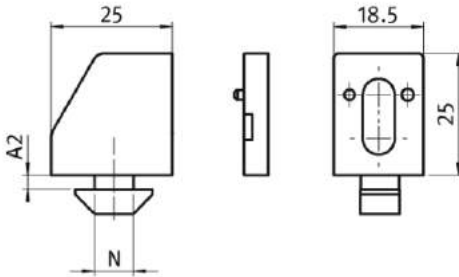
Block: polycarbonate  
Square Nut: zinc plated steel

**Colour**

transparent colourless



4



Panel Mounting

Profile Accessories

<b>4 331 1308.10</b>	Uniblock, Transparent   M6   N:8	⊙ 10
<b>4 331 1310.10</b>	Uniblock, Transparent   M6   N:10	⊙ 10



## Clip Block 14



**Description**

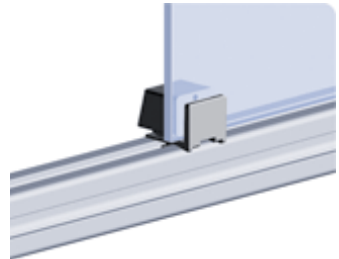
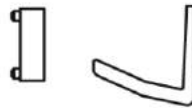
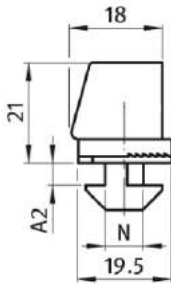
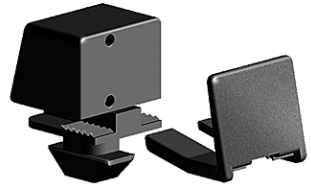
to attach panels to aluminium profiles without screws or tools

**Material**

Block: PA with 30% glass filled

**Colour**

black



4

**4 331 0208**

Clip Block 14 | N:8

⌀10

**4 331 0210**

Clip Block 14 | N:10

⌀10

Profile Accessories **Panel Mounting**

## Clip Block, Transparent Colourless



**Description**

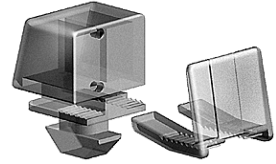
to attach panels to aluminium profiles without screws or tools

**Material**

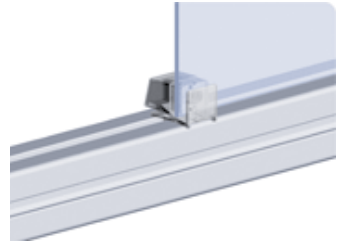
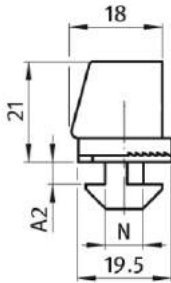
polycarbonate

**Colour**

transparent colourless



4



Panel Mounting

Profile Accessories

**4 331 1208**

Clip Block, Transparent | N:8

⊕10

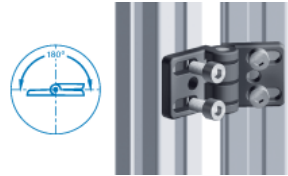
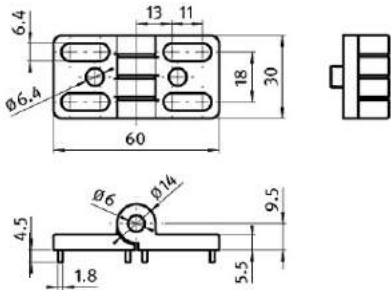
**4 331 0210**

Clip Block, Transparent | N:10

⊕10

**Die-cast Zinc Hinge 30 with Oblong Holes : Non-detachable**

<b>Description</b>	to hinge panels or aluminium profiles; can be locked at any position
<b>Material</b>	Wings: die-cast zinc Pin: stainless steel conform
<b>Fastening</b>	from the front, using M6 screws
<b>Surface</b>	black powder coated
<b>Max Load (nm)</b>	100



**4 265 0030**

10

4

Profile Accessories **Metal Hinges**

**Die-cast Zinc Hinge 40 with Oblong Holes : Non-detachable****Description**

to hinge panels or aluminium profiles; can be locked at any position

**Material**

Wings: die-cast zinc  
Pin: stainless steel conform

**Fastening**

from the front, using M8 screws

**Surface**

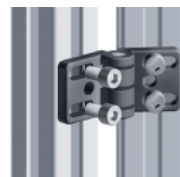
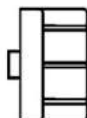
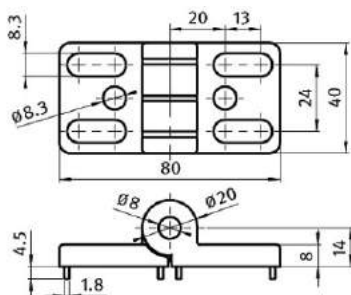
black powder coated

**Max Load (nm)**

250



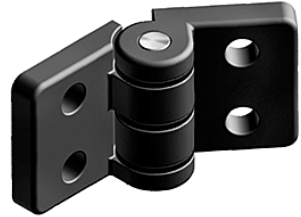
4

**4 265 0040**

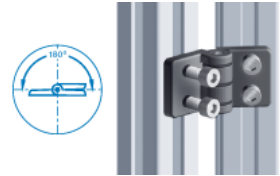
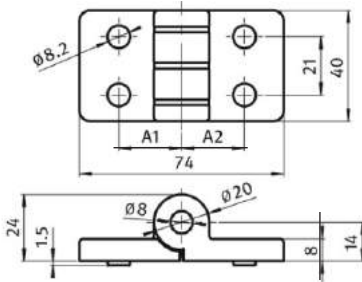
10

**Die-cast Aluminium Combi Hinge 40 And 45 : Non-detachable**

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: die-cast aluminium  
Pin: stainless steel
- Fastening** | from the front, using M8 screws
- Surface** | nickel-plated



4



<b>4 260 4040</b>	40/40   A1:22.5   A2:22.5	⌀10
<b>4 260 4545</b>	45/45   A1:25.0   A2:25.0	⌀10

Profile Accessories **Metal Hinges**

Dimensions Of A1, A2 are in mm

## Combi Hinge With Locking Lever : Non-detachable

**Description**

to hinge panels or aluminium profiles; can be locked at any position

**Material**

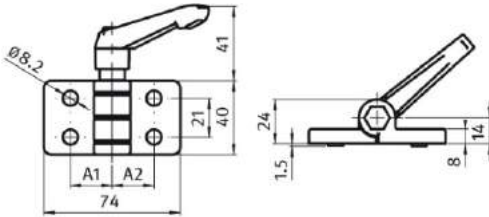
Hinge: die-cast zinc  
Locking Lever: nylon back  
Mechanism : steel, zinc plated

**Fastening**

from the front, using M8 screws

**Surface**

Hinge: black powder coated



Metal Hinges

Profile Accessories

**4 263 4040**

40/40 | A1:22.5 | A2:22.5

⊕10

**4 263 4545**

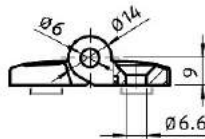
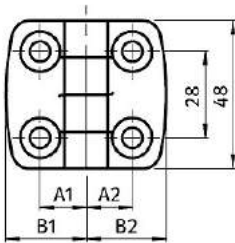
45/45 | A1:25.0 | A2:25.0

⊕10

Dimensions of A1, A2 are in mm

## Plastic Combi Hinge 25 : Non-detachable

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black

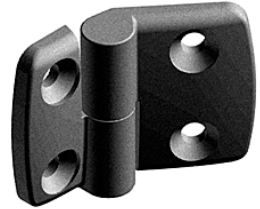


<b>4 240 2525</b>	25/25	A1:15.0   A2:15.0   B1:26.0   B2:26.0	⊙ 10
<b>4 240 2535</b>	25/35	A1:15.0   A2:20.0   B1:26.0   B2:36.0	⊙ 10
<b>4 240 2540</b>	25/40	A1:15.0   A2:22.5   B1:26.0   B2:38.5	⊙ 10

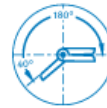
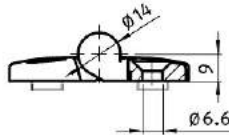
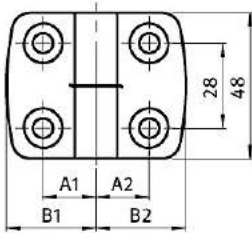
Dimensions of A1, A2, B1, B2 are in mm

**Plastic Combi Hinge 25 : Detachable**

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black



4



Plastic Hinges

Profile Accessories

**Left**

<b>4 241 2525</b>	25/25	A1:15.0	A2:15.0	B1:26.0	B2:26.0	⊙10
<b>4 241 2535</b>	25/35	A1:15.0	A2:20.0	B1:26.0	B2:36.0	⊙10
<b>4 241 2540</b>	25/40	A1:15.0	A2:22.5	B1:26.0	B2:38.5	⊙10

**Right**

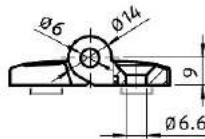
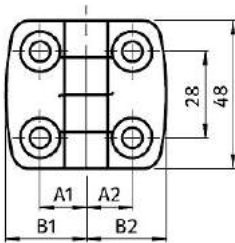
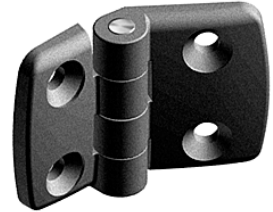
<b>4 242 2525</b>	25/25	A1:15.0	A2:15.0	B1:26.0	B2:26.0	⊙10
<b>4 242 2535</b>	25/35	A1:15.0	A2:20.0	B1:26.0	B2:36.0	⊙10
<b>4 242 2540</b>	25/40	A1:15.0	A2:22.5	B1:26.0	B2:38.5	⊙10

Dimensions of A1, A2, B1, B2 are in mm



## Plastic Combi Hinge 30 : Non-detachable

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless Steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black

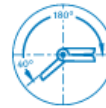
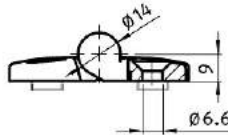
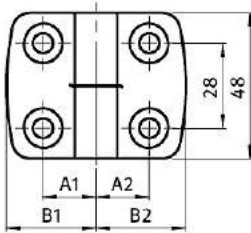
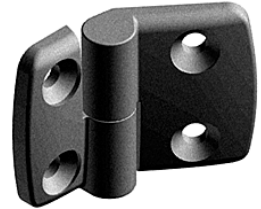


<b>4 240 3030</b>	30/30	A1:17.5   A2:17.5   B1:29.5   B2:29.5	⌀10
<b>4 240 3040</b>	30/40	A1:17.5   A2:22.5   B1:29.5   B2:38.5	⌀10
<b>4 240 3045</b>	30/45	A1:17.5   A2:25.0   B1:29.5   B2:43.5	⌀10
<b>4 240 3060</b>	30/60	A1:17.5   A2:32.5   B1:29.5   B2:57.5	⌀10

Dimensions of A1, A2, B1, B2 are in mm

**Plastic Combi Hinge 30 : Detachable**

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black



**Left**

<b>4 241 3030</b>	30/30	A1:17.5	A2:17.5	B1:29.5	B2:29.5	⊙10
<b>4 241 3040</b>	30/40	A1:17.5	A2:22.5	B1:29.5	B2:38.5	⊙10
<b>4 241 3045</b>	30/45	A1:17.5	A2:25.0	B1:29.5	B2:43.5	⊙10
<b>4 241 3060</b>	30/60	A1:17.5	A2:32.5	B1:29.5	B2:57.5	⊙10

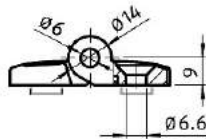
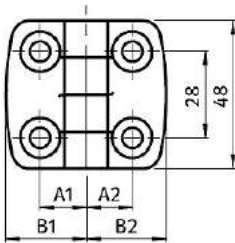
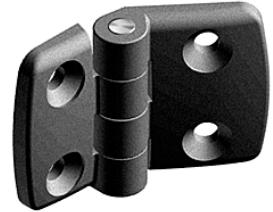
**Right**

<b>4 242 3030</b>	30/30	A1:17.5	A2:17.5	B1:29.5	B2:29.5	⊙10
<b>4 242 3040</b>	30/40	A1:17.5	A2:22.5	B1:29.5	B2:38.5	⊙10
<b>4 242 3045</b>	30/45	A1:17.5	A2:25.0	B1:29.5	B2:43.5	⊙10
<b>4 242 3060</b>	30/60	A1:17.5	A2:32.5	B1:29.5	B2:57.5	⊙10

Dimensions of A1, A2, B1, B2 are in mm

## Plastic Combi Hinge 40 : Non-detachable

<b>Description</b>	to hinge panels or aluminium profiles
<b>Material</b>	Wings: PA6 with 30% glass filled Bolt : stainless steel
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Colour</b>	black

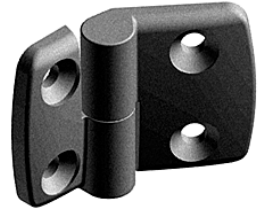


**4 240 4040** 40/40 | A1:22.5 | A2:22.5 | B1:38.5 | B2:38.5  10

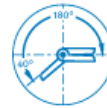
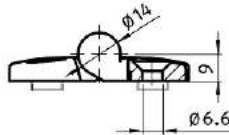
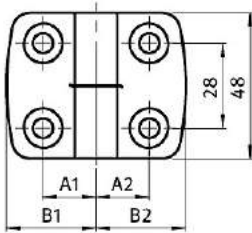
Dimensions of A1, A2, B1, B2 are in mm

**Plastic Combi Hinge 40 : Detachable**

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black



4



Plastic Hinges

Profile Accessories

**Left**

<b>4 241 4040</b>	40/40	A1:22.5	A2:22.5	B1:38.5	B2:38.5	⌀10
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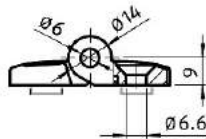
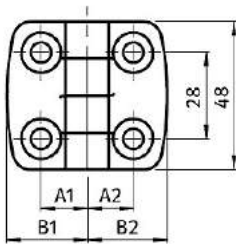
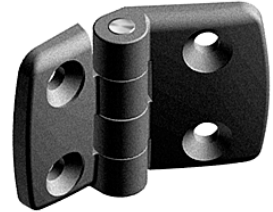
**Right**

<b>4 242 4040</b>	40/40	A1:22.5	A2:22.5	B1:38.5	B2:38.5	⌀10
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Dimensions of A1, A2, B1, B2 are in mm

## Plastic Combi Hinge 45 : Non-detachable

<b>Description</b>	to hinge panels or aluminium profiles
<b>Material</b>	Wings: PA6 with 30% glass filled Bolt : stainless steel
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Colour</b>	black



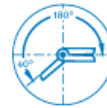
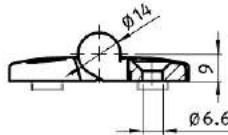
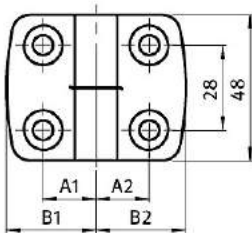
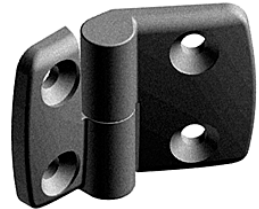
**4 240 4545**

45/45 | A1:25.0 | A2:25.0 | B1:43.5 | B2:43.5

⊕10

## Plastic Combi Hinge 45 : Detachable

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black



### Left

**4 241 4545** 45/45 | A1:25.0 | A2:25.0 | B1:43.5 | B2:43.5 

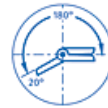
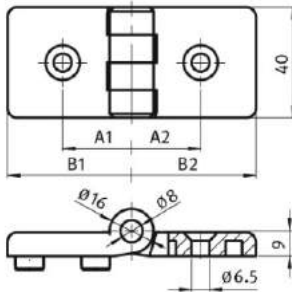
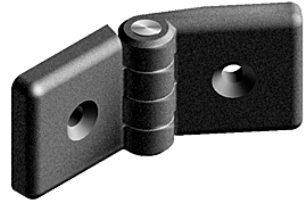
### Right

**4 242 4545** 45/45 | A1:25.0 | A2:25.0 | B1:43.5 | B2:43.5 

Dimensions of A1, A2, B1, B2 are in mm

## Heavy Duty Plastic Hinge: Non-detachable

- Description** | to hinge panels or aluminium profiles; each side has two holes for centering bolts
- Material** | Wings: PA6 with 30% glass filled  
Bolt : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Colour** | black



<b>4 244 3030</b>	30/30	A1:17.5	A2:17.5	B1:30.0	B2:30.0	Ø10
<b>4 244 3045</b>	40/40	A1:17.5	A2:25.0	B1:30.0	B2:45.0	Ø10
<b>4 244 4545</b>	45/45	A1:25.0	A2:25.0	B1:45.0	B2:45.0	Ø10

Dimensions of A1, A2, B1, B2 are in mm

## Combi Hinge With Locking Lever: Non-detachable

**Description**

to hinge panels or aluminium profiles; can be locked at any position

**Material**

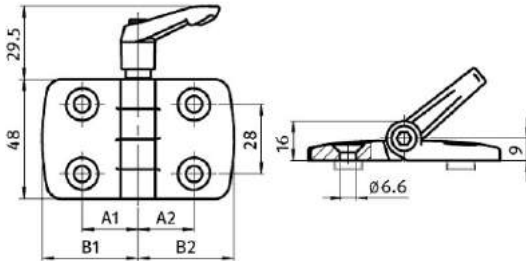
Hinge: PA6 with 30% glass filled  
Locking Lever: PA6 with 30% glass filled  
Mechanism : steel, zinc plated

**Fastening**

from the front, using M6 counter sunk screws

**Colour**

black



Plastic Hinges

Profile Accessories

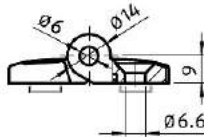
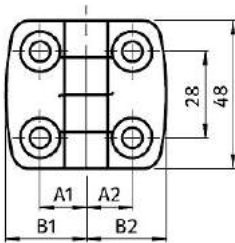
<b>4 243 3030</b>	30/30	A1:17.5   A2:17.5	B1:29.5   B2:29.5	⊙10
<b>4 243 4040</b>	40/40	A1:22.5   A2:22.5	B1:38.5   B2:38.5	⊙10
<b>4 243 4545</b>	45/45	A1:25.0   A2:25.0	B1:43.5   B2:43.5	⊙10

Dimensions of A1, A2, B1, B2 are in mm



## Die-cast Aluminium Combi Hinge 30 : Non-detachable

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: die-cast aluminium  
Pin: stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Surface** | nickel-plated



<b>4 250 3030</b>	30/30	A1:17.5   A2:17.5   B1:29.0   B2:29.5	Ø10
<b>4 250 3040</b>	30/40	A1:17.5   A2:22.5   B1:29.0   B2:38.5	Ø10
<b>4 250 3045</b>	30/45	A1:17.5   A2:25.0   B1:29.0   B2:43.5	Ø10
<b>4 250 3060</b>	30/60	A1:17.5   A2:32.5   B1:29.0   B2:57.5	Ø10

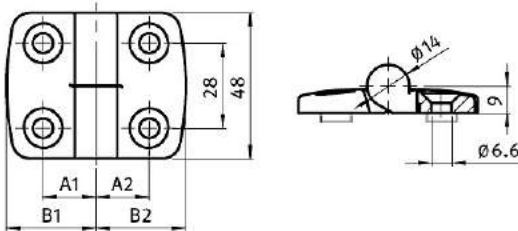
Dimensions of A1, A2, B1, B2 are in mm

**Die-cast Aluminium Combi Hinge 30 : Detachable**

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: die-cast aluminium  
Pin: stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Surface** | nickel-plated



4



Aluminium Hinges

Profile Accessories

**Left**

<b>4 251 3030</b>	30/30	A1:17.5	A2:17.5	B1:29.0	B2:29.0	⌀10
<b>4 251 3040</b>	30/40	A1:17.5	A2:22.5	B1:29.0	B2:38.5	⌀10
<b>4 251 3045</b>	30/45	A1:17.5	A2:25.0	B1:29.0	B2:43.5	⌀10
<b>4 251 3060</b>	30/60	A1:17.5	A2:32.5	B1:29.0	B2:57.5	⌀10

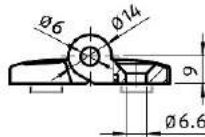
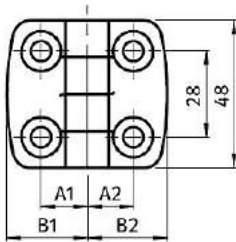
**Right**

<b>4 252 3030</b>	30/30	A1:17.5	A2:17.5	B1:29.0	B2:29.5	⌀10
<b>4 252 3040</b>	30/40	A1:17.5	A2:22.5	B1:29.0	B2:38.5	⌀10
<b>4 252 3045</b>	30/45	A1:17.5	A2:25.0	B1:29.0	B2:43.5	⌀10
<b>4 252 3060</b>	30/60	A1:17.5	A2:32.5	B1:29.0	B2:57.5	⌀10

Dimensions of A1, A2, B1, B2 are in mm

## Die-cast Aluminium Combi Hinge 40 : Non-detachable

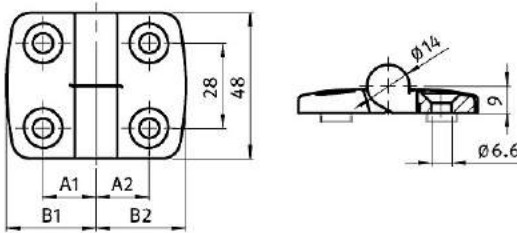
<b>Description</b>	to hinge panels or aluminium profiles
<b>Material</b>	Wings: die-cast aluminium Pin: stainless steel
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Surface</b>	nickel-plated



**4 250 4040** 40/40 | A1:22.5 | A2:17.5 | B1:38.5 | B2:29.5 

## Die-cast Aluminium Combi Hinge 40 : Detachable

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: die-cast aluminium  
Pin : stainless steel
- Fastening** | from the front, using M6 counter sunk screws
- Surface** | nickel-plated



**Left**

**4 251 4040** 40/40 | A1:22.5 | A2:17.5 | B1:38.5 | B2:29.5 10

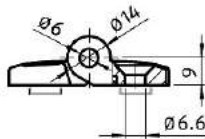
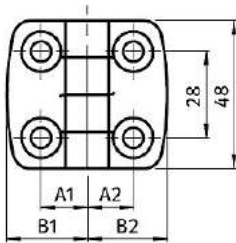
**Right**

**4 252 4040** 40/40 | A1:22.5 | A2:22.5 | B1:38.5 | B2:38.5 10

Dimensions of A1, A2, B1, B2 are in mm

## Die-cast Aluminium Combi Hinge 45 : Non-detachable

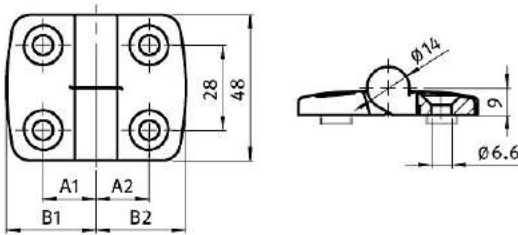
<b>Description</b>	to hinge panels or aluminium profiles
<b>Material</b>	Wings: die-cast aluminium Pin: stainless steel
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Surface</b>	nickel-plated



**4 250 4545** 45/45 | A1:25.0 | A2:25.0 | B1:43.5 | B2:43.5  10

## Die-cast Aluminium Combi Hinge 45 : Detachable

- Description** | to hinge panels or aluminium profiles
- Material** | Wings: die-cast aluminium
- Fastening** | from the front, using M6 counter sunk screws
- Surface** | nickel-plated



**Left**

**4 251 4545** 45/45 | A1:25.0 | A2:25.0 | B1:43.5 | B2:43.5 

**Right**

**4 252 4545** 45/45 | A1:25.0 | A2:25.0 | B1:43.5 | B2:43.5 

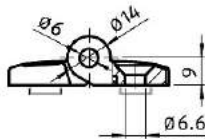
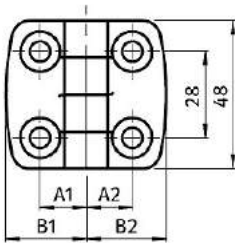
Dimensions of A1, A2, B1, B2 are in mm

## Stainless Steel Combi Hinge 30 : Non-detachable

<b>Description</b>	to hinge panels or aluminium profiles; can be locked at any position
<b>Material</b>	Wings: stainless steel SS316 Bolt: stainless steel SS430F
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Surface</b>	plain



4



**4 270 3030** 30/30 | A1:17.5 | A2:17.5 | B1:29.0 | B2:29.0  10

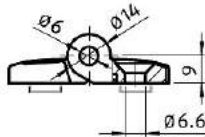
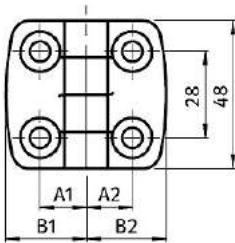
Stainless Steel Hinges

Profile Accessories

Dimensions of A1, A2, B1, B2 are in mm


## Stainless steel combi hinge 40 : non-detachable

<b>Description</b>	to hinge panels or aluminium profiles; can be locked at any position
<b>Material</b>	Wings: stainless steel ss316 Bolt: stainless steel ss430F
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Surface</b>	plain



stainless steel hinges

Profile accessories

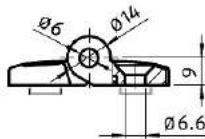
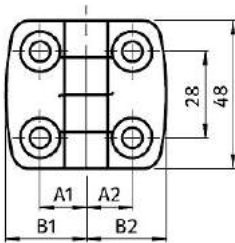
**4 270 4040**    40/40 | a1:22.5 | a2:22.5 | b1:38.0 | b2:38.0     10

Dimensions of A1, A2, B1, B2 are in mm



## Stainless Steel Combi Hinge 45 : Non-detachable

<b>Description</b>	to hinge panels or aluminium profiles; can be locked at any position
<b>Material</b>	Wings: stainless steel SS316 Bolt : stainless steel SS430F
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Surface</b>	plain



**4 270 4545**

45/45 | A1:25.0 | A2:25.0 | B1:43.0 | B2:43.0

10

4

Stainless Steel Hinges

Profile Accessories

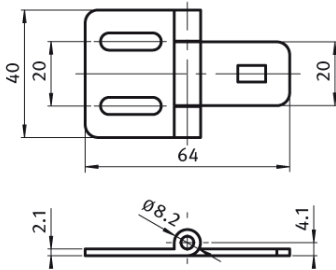
Dimensions of A1, A2, B1, B2 are in mm

## Light Metal Hinge : Non-detachable

<b>Description</b>	to hinge panels or aluminium profiles; can be locked at any position
<b>Material</b>	steel
<b>Fastening</b>	from the front, using M6 counter sunk screws
<b>Surface</b>	black powder coated
<b>Max Load (nm)</b>	25



4



Metal Hinges

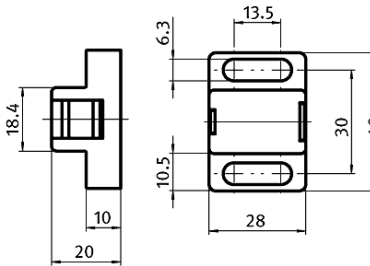
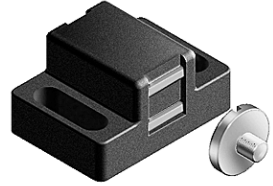
**4 236 0040** Light Metal Hinge

10

Profile Accessories

## Magnetic Catch

<b>Description</b>	a quick locking device for doors, adaptable to the thickness of the panel units
<b>Material</b>	PA6 with 30% glass filled
<b>Fastening</b>	using M6 screws
<b>Colour</b>	black



4

**4 321 0001**

Magnetic Catch

⊕10

## Ball Catch

**Description**

a quick locking device for doors, adaptable to the thickness of the panel units

**Material**

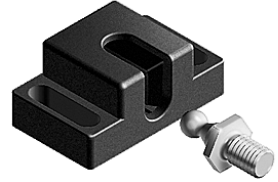
PA6 with 30% glass filled

**Fastening**

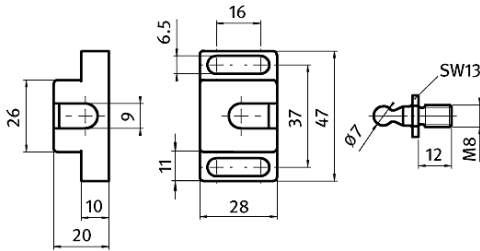
using M6 screws

**Colour**

black



4



Latches

Profile Accessories

**4 321 1001**

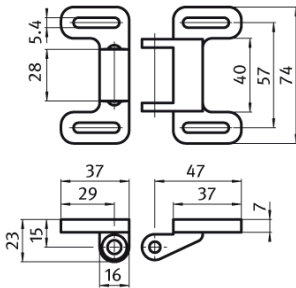
Ball Catch

| 25N



## Double Ball Catch Pa

<b>Description</b>	a quick locking device for doors, adaptable to the thickness of the panel units
<b>Material</b>	Housing: PA6 with 30% glass filled Ball: stainless steel Bushing: steel, zinc plated
<b>Fastening</b>	using M5 screws
<b>Colour</b>	black



4

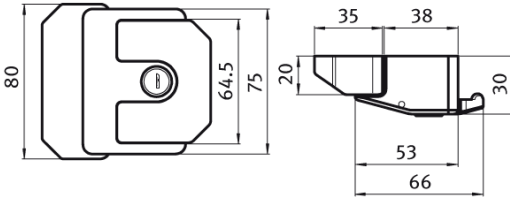
**4 321 1002**

Double Ball Catch PA | 25N

10

## Slam Latch

- Description** | to securely close doors and flaps
- Material** | die cast zinc
- Fastening** | from the back, using M6 screws
- Colour** | black powder coated



Latches

Profile Accessories

**4 321 2001**

Slam Latch-universal

| M8



## Cable Binding Block



**Description**

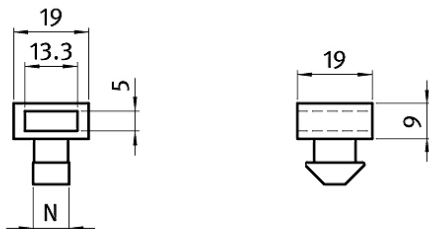
to secure cables to aluminium profiles; can be mounted into the slot by a quarter turn

**Material**

PA with 30% glass filled

**Colour**

black



**4 341 0108**

Cable Binding Block | N:8

⌀10

**4 341 0110**

Cable Binding Block | N:10

⌀10

## Cross Cable Binding Block



**Description**

to secure cables to aluminium profiles in two directions; can be mounted into the slot by a quarter turn

**Material**

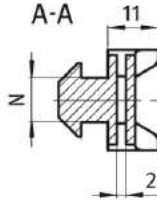
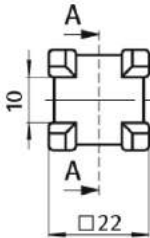
PA with 30% glass filled

**Colour**

black



4



Cable Binding Blocks

Profile Accessories

**4 341 0208**

Cross Cable Binding Block | N:8

⌀10

**4 341 0210**

Cross Cable Binding Block | N:10

⌀10



## Clip Cable Binder



**Description**

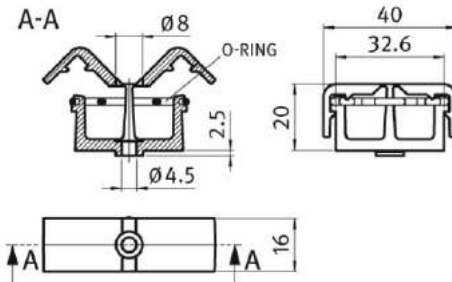
to fix cables without the need for cable ties; can be opened and closed again

**Material**

Clip: nylon  
Rubber: FPM 70

**Colour**

black



**4 341 0300**

Clip Cable Binder

10

4

Profile Accessories Cable Binding Blocks

## Clip Cable Binder With T Nut



**Description**

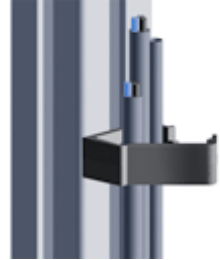
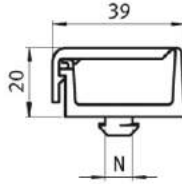
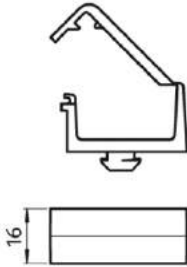
to fasten cables without the need for cable ties, can be opened and closed again; can be mounted into the slot by a quarter turn

**Material**

nylon

**Colour**

black



Cable Binding Blocks

Profile Accessories

**4 341 0408**

Clip Cable Binder With T Nut | N:8

⌀10

**4 341 0410**

Clip Cable Binder With T Nut | N:10

⌀10

## Universal Cable Binding Block



**Description**

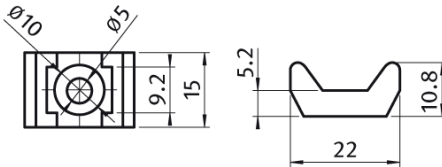
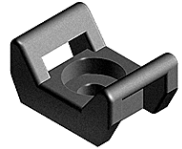
to secure cables to aluminium profiles; to be mounted with a hammer nut

**Material**

PA with 30% glass filled

**Colour**

black



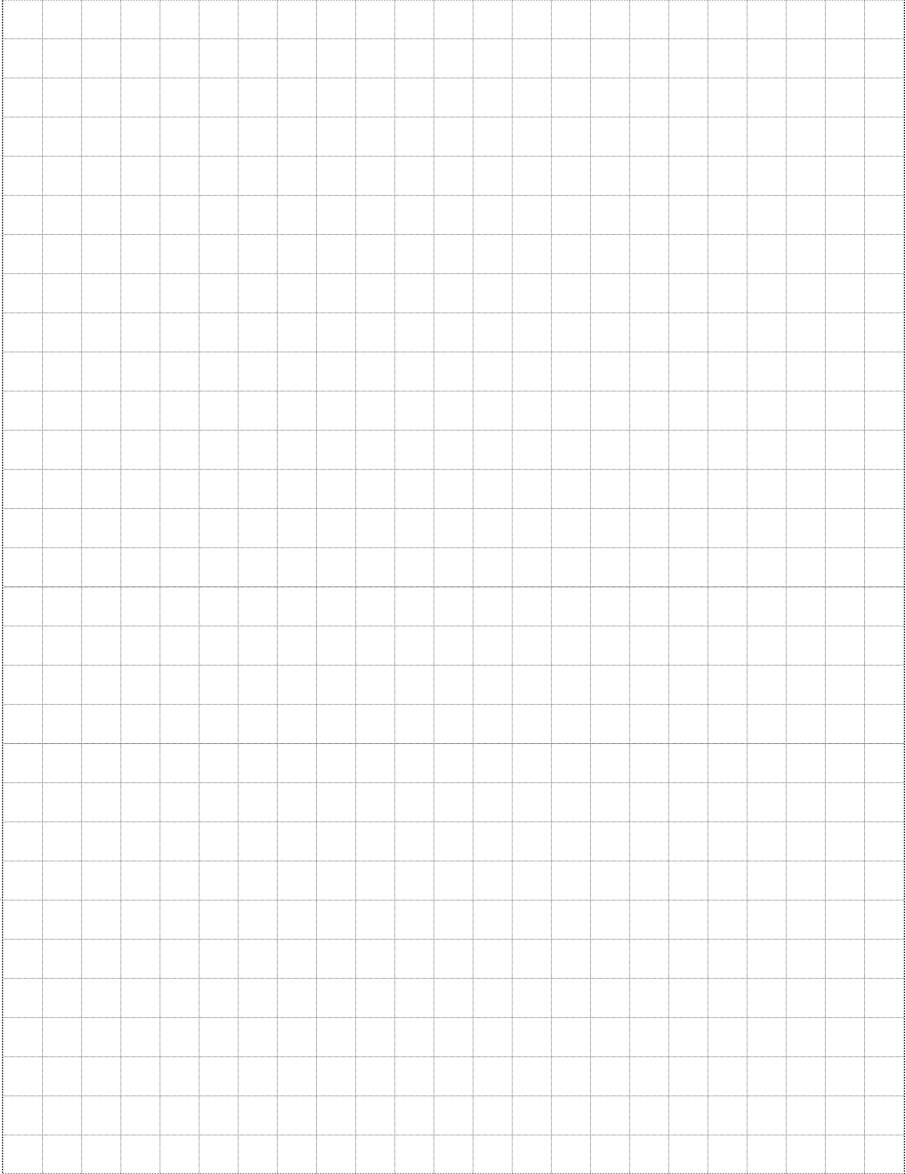
**4 341 05000**

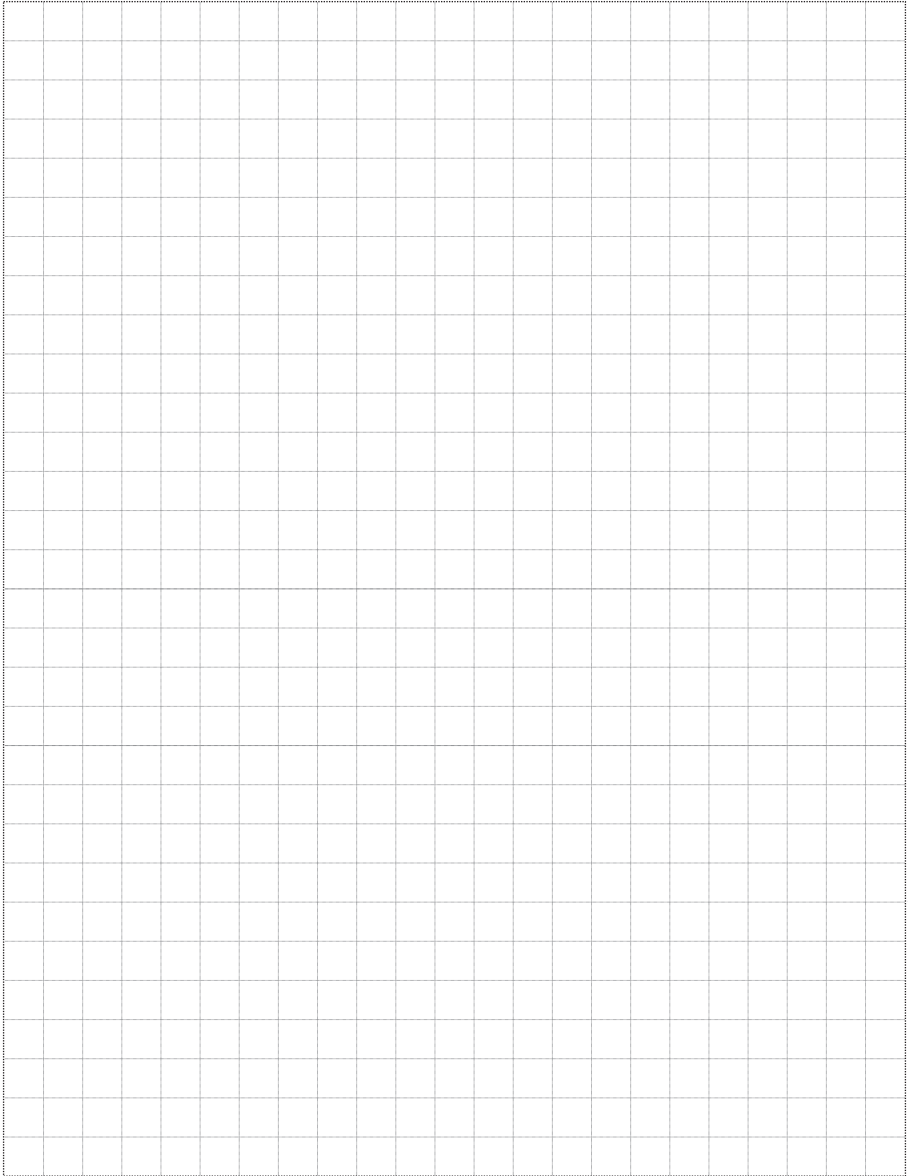
Universal Cable Binding Block

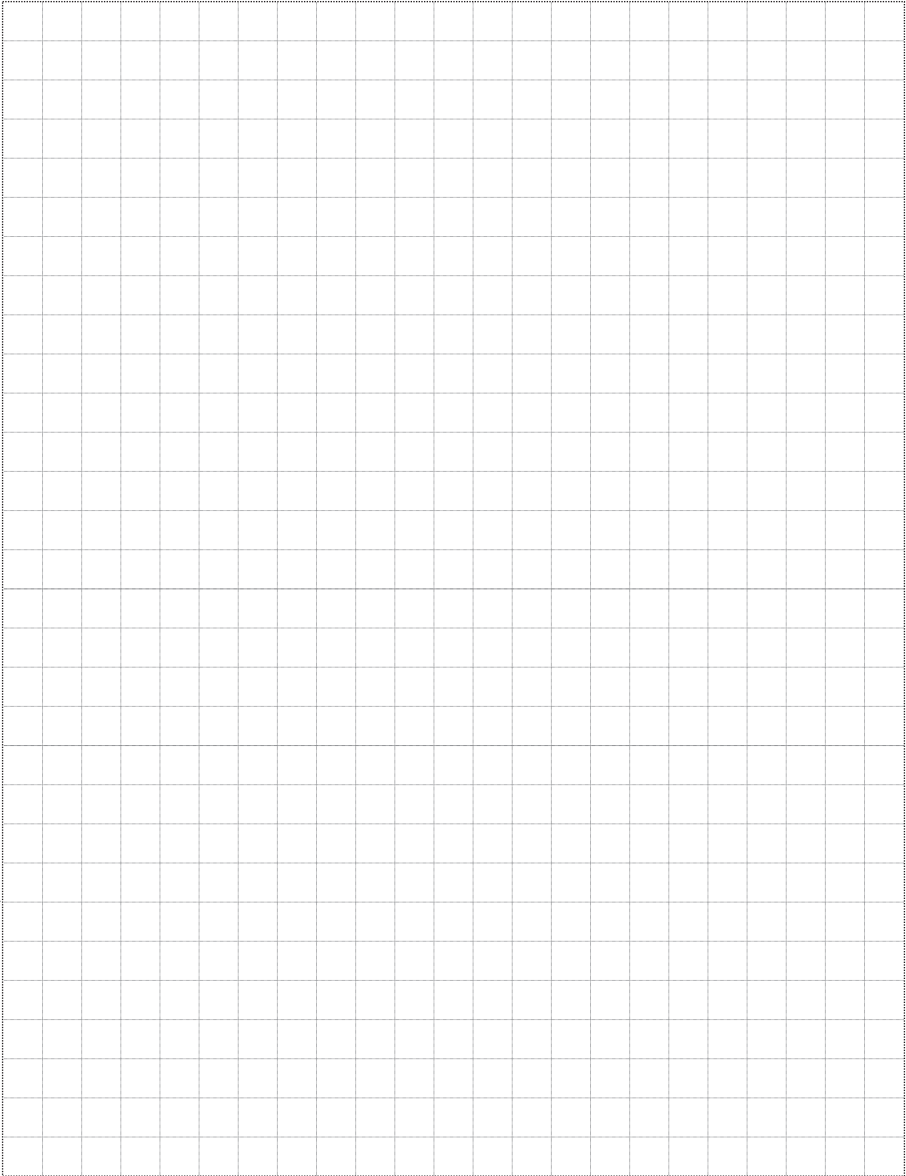
Ø10

4

Profile Accessories  
Cable Binding Blocks







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1 121 4501	34	1 124 0803	46	2 225 0801	82
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1 121 4601	37	1 124 1002	47	2 227 1001	81
1 121 4605	37	1 124 1003	47	2 229 3001	108
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1 121 4701	35	1 124 1005	47	2 229 4001	110
1 121 4705	35	1 124 1051	47	2 229 4002	111
1 121 4800	39	2 221 0600	55	2 229 4501	112
1 121 4801	39	2 221 0601	61	2 229 4502	113
1 121 4805	39	2 221 0602	75	2 230 0006	84
1 121 4900	38	2 221 0800	56	2 230 0008	84
1 121 4901	38	2 221 0801	63	2 230 0012	84
1 121 4905	38	2 221 0802	76	2 231 0801	85
1 121 6000	40	2 221 1000	57	2 231 1001	86
1 121 6001	40	2 221 1001	58	2 232 0801	89
1 121 6005	40	2 221 1002	59	2 232 0802	91
1 121 6100	41	2 221 1003	65	2 232 1001	90
1 121 6101	41	2 221 1004	67	2 232 1002	92

2 241 3001	93	3 312 0006	148	4 241 3060	192
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2 241 3003	95	3 313 0804	150	4 241 4545	196
2 241 4001	96	3 313 0805	150	4 242 2525	190
2 241 4002	97	3 313 0806	150	4 242 2535	190
2 241 4003	98	3 313 1004	151	4 242 2540	190
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2 241 4502	100	3 313 1006	151	4 242 3040	192
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2 242 3003	103	3 314 0805	152	4 242 4040	194
2 242 4002	104	3 314 0806	152	4 242 4545	196
2 242 4003	105	3 314 1004	153	4 243 3030	198
2 242 4502	106	3 314 1006	153	4 243 4040	198
2 242 4503	107	3 314 1008	153	4 243 4545	198
2 245 3001	114	3 316 0804	154	4 244 3030	197
2 245 4001	118	3 316 0806	154	4 244 3045	197
2 245 4501	115	3 316 1004	155	4 244 4545	197
2 245 4601	116	3 316 1006	155	4 250 3030	199
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4 305 5135	175	4 448 1266	170
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4 321 2001	212	9 142 0612	156
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4 341 0208	214		
4 341 0210	214		
4 341 0300	215		
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4 371 1001	167		
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4 382 1000	161		
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4 382 2000	162		
4 382 2100	162		
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4 391 0002	180		
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4 426 1266	169		
4 426 1299	169		
4 428 1266	169		
4 443 0840	170		
4 444 0840	170		
4 446 1266	170		
4 446 1299	170		

Project Name \_\_\_\_\_

Date \_\_\_\_\_

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, enclosed in a dotted border. This grid is intended for drawing or working on a project.

Project Work Sheet

Project Name \_\_\_\_\_

Date \_\_\_\_\_

S No	Part No	Qty	Remarks	Pg No

.....  
Project Work Sheet

Project Name \_\_\_\_\_

Date \_\_\_\_\_

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, enclosed in a dotted border. This area is intended for drawing or working on a project.

Project Work Sheet



Project Name \_\_\_\_\_

Date \_\_\_\_\_

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, enclosed in a dotted border. This area is intended for drawing or working on a project.

Project Work Sheet





Project Name \_\_\_\_\_

Date \_\_\_\_\_

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, enclosed in a dotted border. This area is intended for drawing or working on a project.

Project Work Sheet



project name \_\_\_\_\_ date \_\_\_\_\_

A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, enclosed in a dotted border. This area is intended for drawing or working on a project.

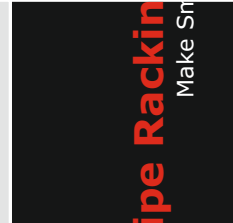
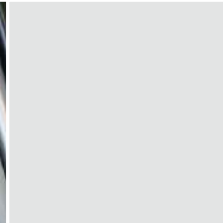
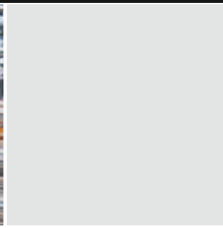
Project Work Sheet

project name \_\_\_\_\_

date \_\_\_\_\_

s no	part no	qty	remarks	pg no

Project Work Sheet



Pipes  
Metal Joints  
Plastic Joints  
Roller Tracks  
Accessories  
Casters

The pipe racking division of Alstrut consists of steel tubes that are either plastic or powder coated, as well as stainless steel and electrically conductive (esd.) in nature. These tubes are available in varying dimensions (wall thickness 0.7 - 2 mm; diameter 28 mm) and different colours.

In order to complete the system, connectors and accessories can be chosen from the wide range available, including wheels, leveling feet, roller tracks, fasteners, mounting brackets etc.

Installation, modification and extension of the system is very simple due to the reusable nature of the components thus giving the flexibility of design and change.

Alstrut provides you a range of components helping you build systems and workplaces of international quality, enabling you to concentrate on your core technical strengths.

**Applications**

- Flow Racks
- Special Flow Racks
- Trolleys
- Super Markets
- Kanban Systems





**Work Tables**  
 Maximize Floor Space  
 Organized Product Flow  
 Creates Storage Space  
 Increases Efficiency  
 Enhances Productivity  
 Improves Aesthetics



**Conveyors**  
 Belt  
 Gravity Flow  
 Powered Roller  
 Accumulation  
 Slat  
 Plastic Chain

Building on the Alstrut aluminium profile system, Alstrut also offers a variety of work tables, conveyors, trolleys and assembly lines for discrete manufacturing industries.

Standard worktable options are available with an aim to enable quick selection of features, reduce delivery time and optimize costs. Custom worktables are also designed to suit specific requirements. All worktables are built using ergonomic considerations.

Alstrut standard belt conveyors are designed using PVC belts and are available in standard widths that could typically suit most applications. Belt conveyors can also be specially designed to cater to specific application.

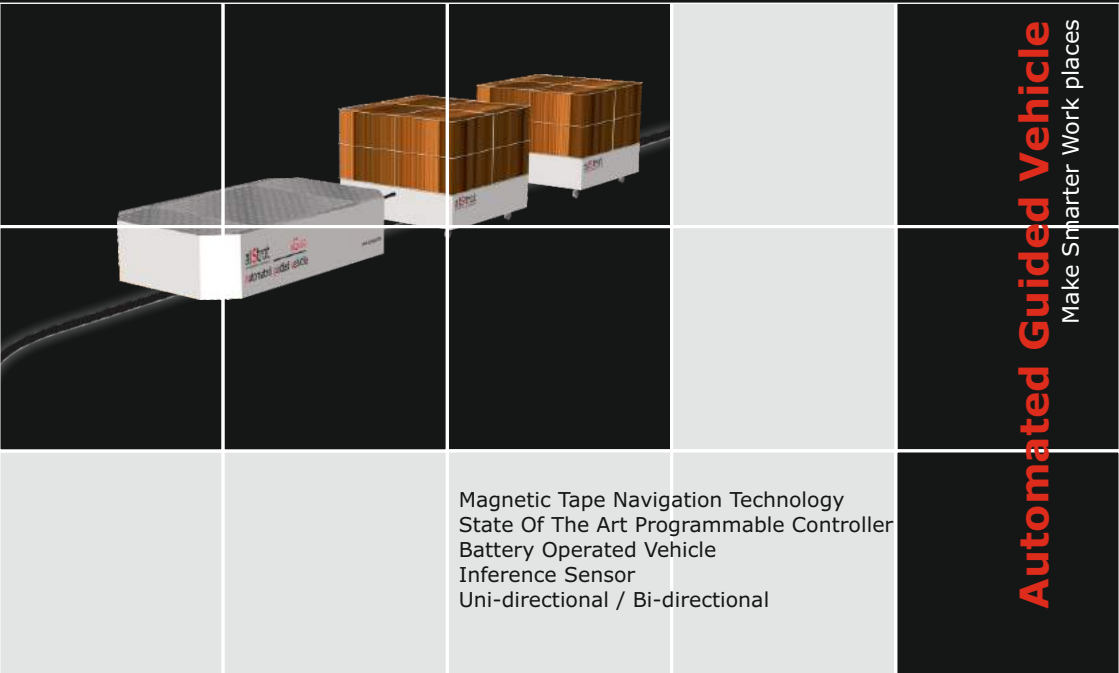
Other make to order conveyors include gravity flow conveyors, powered roller conveyors, PCB conveyors, accumulation chain conveyors, slat conveyors, plastic chain conveyors etc.

Assembly lines typically are an integration of worktables, conveyors, trolleys and FIFO racks, designed and commissioned as per layouts specific to the product being manufactured.

**Applications**

- Automobiles
- Auto Component
- Electrical
- Electronic
- FMCG
- Packaging
- Pharmaceutical





**Automated Guided Vehicle**  
Make Smarter Work places

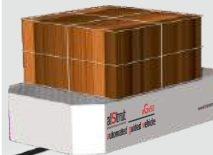
Magnetic Tape Navigation Technology  
State Of The Art Programmable Controller  
Battery Operated Vehicle  
Inference Sensor  
Uni-directional / Bi-directional

**Safety Features**

- Main Power On/Off Switch
- Emergency Switch
- Interference Sensor
- Signal Lamp
- Overload Cut-off
- No-motion Cut-off

Alstrut AGV5 Series is a robust and light weight automated guided vehicle. The battery operated Alstrut AGV uses a magnetic tape navigation technology, where the vehicle sights the magnetic tape using a non-contact magnetic sensor.

Using the sensor's linear proportional output, and processed through a state of the art programmable controller, the vehicle can be programmed to move on a customized route & administer various functions. The AGV5 series is designed to move in a single direction or bidirectional

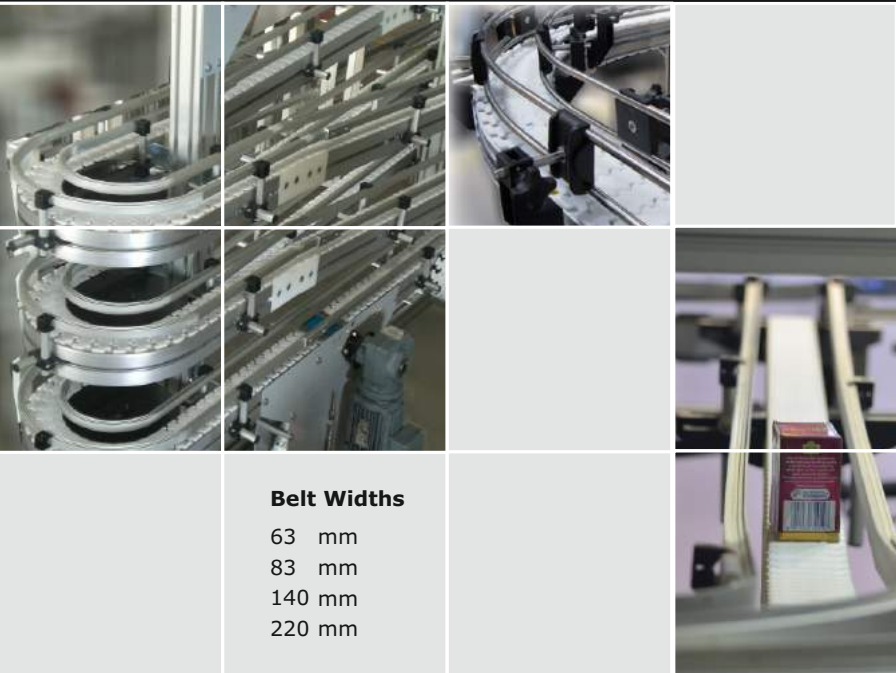


**Options**

- Uni-direction
- Bi-direction
- Beeper
- Voice Annunciator
- Tower Lamp
- Touch Panel

Operated by a battery, AGV5 has the mobility to move across the shop floor and is not limited to a specific area because of wires / other mechanical constraints. It can carry loads of 1 ton and operate non-stop for upto 8 hours and has a quick recharge time of 3 hours. Magnetic tape navigation uses a magnetic tape that is quite rugged and can be used in normal industrial shop floors which may be soiled, oily or subject to vibration. As the tape is easy to install, the tape can be easily re-laid when there is a change in the layout or path of the vehicle.





**Plastic Chain Link Conveyors**  
Make Smarter Work Places

**Belt Widths**

- 63 mm
- 83 mm
- 140 mm
- 220 mm

**Applications**

- Automobiles
- Auto Component
- Electrical
- Electronic
- FMCG
- Packaging
- Pharmaceutical

plain chain



friction chain



finger gripper chain



box gripper chain



wedge gripper chain



Alstrut brings you a range of standard modular plastic chain conveyor components. These conveyors are typically used to carry products in the FMCG, pharmaceutical, packaging, electrical, electronic, auto component industries.

Conveyor widths vary from 63mm to 220mm and can be built together using plastic links of corresponding widths. Special plastic links are available with cleats or different kinds of grippers enabling the conveyors to be customized to carry products that require special considerations. Other standard components include aluminium profiles, joining elements and accessories enabling quick assembly of the conveyors.

Special modules such as 90° or 180° horizontal bends, inclined alpine modules, gripper system for vertical conveying of products make it possible to optimize the usage of factory space, as well as accumulation of products on the conveyor.

Built around the concept of design for assembly, design for flexibility, design for aesthetics, the Alstrut MODU conveyors are quick to build and prove to be a cost effective solution.

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**ALSTRUT**  
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www.alstrut.com

**Aluminium Profiles System**



**Plastic Chain Link Conveyors**

👉 239

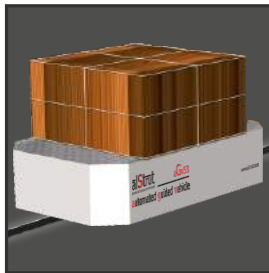
**Pipe Racking System**

👉 236



**Assembly Line & Conveyors**

👉 237

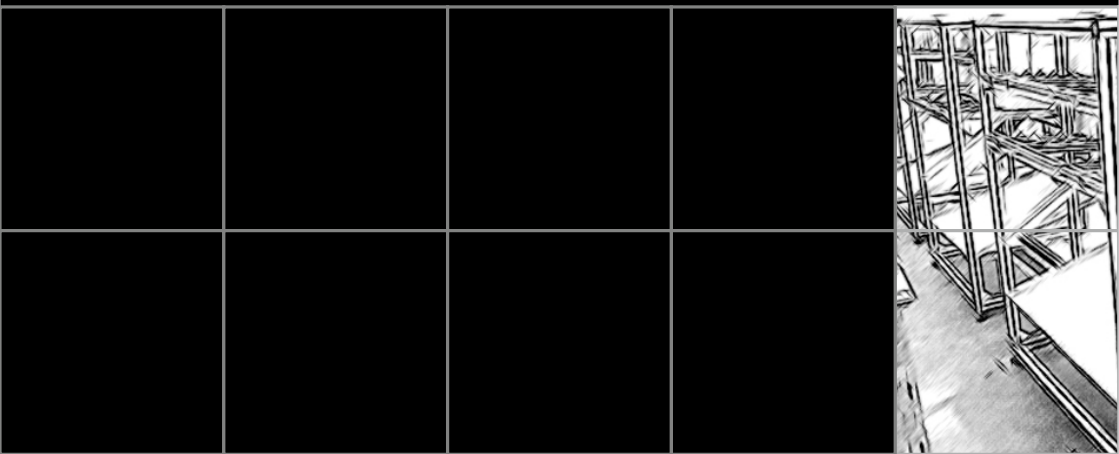


**Automated Guided Vehicle**

👉 238

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**Product Lines**



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