Company Information  公司信息

Made in China;
Higher quality at unbeatable price;
Shipped directly pre-assembled to customers;
Converting any original design to MAT design, free of charge.

Try once, and you will never change!!!

What's inside...
Assembly Technology
Planning Software
技术支持

- Complete product info
- CAD library
- Quick & Easy configurator
- Calculation of profile deflection
- Drawing conversion for profiles
- Layout Designer for fast, easy planning

On-time, rapid delivery
准时，快速交货

- Availability of all components
- Pre-assembled modules, complete frames
- Prompt shipping and exemplary delivery reliability
- 配件充足
- 模块化组装
- 及时交付产品
Modular Assembly System (MAS) is composed of industrial aluminum profiles and accessories. You can quickly find a solution for all tasks with the complete specification and variety of accessories from MAT.

Machine Guard System (MGS) is designed for customers with advanced guarding need. The special design of guarding profiles offer better appearance and unique fastening elements bring faster and safer connections.

Stair and Platform System (SPS) is commonly used for overpass bridges over machinery and equipment. The assembly can be realized easily by simply fastening screws without any machine work. The system is very easy and convenient to use.

Tubular Framing System (TFS) is a flexible modular system composed of special profile tubes and accessories to build a diverse range of flow racks and material shuttles. TFS is simple and quick to use, also low cost.

The Modular Conveyor System (MCS) includes belt conveyor, roller conveyor, chain belt conveyor, chain conveyor, pallet conveyor, rotary, lift unit and etc. They are widely used in car component production, pharmaceutical, electronics, tobacco, packing and other industries. Modular conveyor system mainly includes belt type conveyor, roller type conveyor, chain type conveyor, pallet type conveyor, rotary type, lift unit and etc. They are widely used in small parts assembly, machinery processing, pharmaceutical, electronics, tobacco, packing and other industries.
Modular Assembly System  模块化工业组装系统

Modular Assembly System---
safe, quick, reliable

Use our comprehensive range
to effectively cut working hours and costs.

- Short planning times
- Faster construction
- Highly flexible conversion and extension options
- Reusable components
- Available worldwide

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模块化组装系统特性—
安全、快捷、可靠。

全方位有效地节省工时和成本。

- 加工时间短
- 组装速度快
- 高度灵活性
- 可重复使用
- 全球销售
Application Samples

Machine guard frame for conveying equipment

Special profile for clean room frame

Lifting equipment frame
Modular Assembly Technology

Application Samples 应用实例

Machine guard frame 防护框架

Working table 工作台
Protective barriers for machine

Protective barriers for robot

Protective barriers for robot
Protective barriers for car assembly line

Protective barriers for machine
Application Samples 应用实例

Bridge for Sorting Machine 分拣设备过道桥

Platform for Aerospace Equipment 航天设备载体
Application Samples 应用实例

Bridge for Sorting Machine 分拣设备过线桥

Bridge for Sorting Machine 分拣设备过线桥
Bridge for Sorting Machine 分拣设备过线桥
Arched Stairs for Aerospace Equipment 航天设备拱形梯
1 Aluminum Profile 铝型材

P. 1-06… P. 1-07… P. 1-08…

P. 1-11… P. 1-17… P. 1-21… P. 1-22… P. 1-23…

P. 1-24…

2 Fastening Elements 紧固件

P. 2-02… P. 2-03… P. 2-04…

P. 2-05… P. 2-06… P. 2-07… P. 2-08…

Products Index 产品索引
Connecting Elements

Profile Accessories

Products Index

Connecting Elements

Profile Accessories
1.11-1.41

Strut Profile
基础框架型材
Angle Profile
角铝型材
Conduit Profile
线槽型材
Technical Data

Extruded aluminum profile as per GB5237-2008, surface satin anodized.

Standard length of delivery profiles are: 6000mm for delivery inside China, 5800mm for international shipment.

Tensile Strength / 抗拉强度: min.185N/mm²
Yield Strength / 屈服强度: min.145N/mm²
Elongation / 伸长率: 8%(T≤3.2mm) or 10%(T>3.2~25.0mm)
E-Module / 弹性模量: approx.70,000N/mm²
Brinell Hardness / 布氏硬度: HB 75 2.5/187.5
Coat Thickness / 涂层厚度: ≥11μ

Bending Strength

For deflection calculation, refer to formulas as below:

- $f (mm)$: Deflection / 变形量
- $F (N)$: Type of load / 载荷
- $L (mm)$: Profile length / 型材长度
- $I (cm^4)$: Moment of inertia / 惯性矩
- $E (N/mm²)$: Modular of elasticity / 弹性模量

\[
\begin{align*}
1 & : f = \frac{F \cdot L^3}{3E \cdot I \cdot 10^6} \\
2 & : f = \frac{F \cdot L^3 + F_1 \cdot L^3 + L}{3E \cdot I \cdot 10^6} \\
3 & : f = \frac{F \cdot L^3}{8E \cdot I \cdot 10^4} \\
4 & : f = \frac{F \cdot L^3}{48E \cdot I \cdot 10^4} \\
5 & : f = \frac{F \cdot L^3}{(48 + \frac{29m}{L}) \cdot E \cdot I \cdot 10^4} \\
6 & : f = \frac{5F \cdot L^3}{384E \cdot I \cdot 10^4} \\
7 & : f = \frac{F \cdot a^2 \cdot b^2}{3E \cdot I \cdot 10^4 \cdot L} \\
8 & : f = \frac{F \cdot L^3}{192E \cdot I \cdot 10^4} \\
9 & : f = \frac{F \cdot L^3}{384E \cdot I \cdot 10^4}
\end{align*}
\]
Approximate determination of deflection
变形量速查表

Determinations of deflection:
变形量决定因素:
1. Type of load F in N
承栽力 F(N)
2. Profile length L in mm
型材长度 L(mm)
3. Move cross point on the diagonal
承栽力与型材长度的交点
4. Moment of inertia of selected profile I in cm^4
所选型材惯性矩(cm^4)
5. Cross point with the diagonal to be vertically extended to the bottom
从交点垂直延伸到底部的直线
6. Deflection f for the specific "Type of load" in mm
不同承受方式的变形量 f(mm)

Example:
示例:
1. F=2,000N
2. L=1,000mm
3. Move cross point on the diagonal
①与您的交点
4. I=80.8cm^4 for profile 40x80, 6EH
(1.11.40.040.80.06H)
I=80.8cm^4选择惯性矩为80.8的40x80重型型材
(1.11.40.040.80.06H)
5. Cross point with the diagonal to be vertically extended to the bottom
从点③沿斜线向上与④的延伸线对应的交点
6. Deflection f for the specific "Type of load" in mm
不同承重方式的变形量 f(mm)

Type of load 1: f=9.5mm
一端固定负载: f=9.5mm
Type of load 4: f=0.6mm
两端支撑负载: f=0.6mm
Type of load 8: f=0.15mm
两端固定负载: f=0.15mm
Profile Tolerance
型材公差

Flatness tolerance
平面度

The flatness tolerance \( w \) (angular tolerance) refers to unequal sides to the shorter side of the angle, i.e., it is measured from the longer side.

<table>
<thead>
<tr>
<th>b (mm)</th>
<th>w (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>≤40</td>
<td>0.3</td>
</tr>
<tr>
<td>&gt;40–80</td>
<td>0.5</td>
</tr>
<tr>
<td>&gt;80–180</td>
<td>1.0</td>
</tr>
</tbody>
</table>

Straightness tolerance
直线度

Putting the profile on a horizontal surface, the max bending height \( h_2 \) in any length of 30mm\( (L_2) \) is not more than 0.3mm\( (L_2=300mm, \ h_2≤0.3mm) \). Refer to the following table for the bending height \( h_1 \) of the full length profile \( L_1 \).

<table>
<thead>
<tr>
<th>( L_1 ) (m)</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>( h_1 ) (mm)</td>
<td>0.7</td>
<td>1.4</td>
<td>2.1</td>
<td>2.8</td>
<td>3.5</td>
<td>4.2</td>
</tr>
</tbody>
</table>

Twist tolerance
扭曲度

Putting the profile on a horizontal surface, if the end tilts due to twist, the twist height \( T \) could be calculated according to the formula below:

<table>
<thead>
<tr>
<th>( W ) (mm)</th>
<th>( T ) (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( L≤1m )</td>
</tr>
<tr>
<td>≤40</td>
<td>0.052( W )</td>
</tr>
<tr>
<td>&gt;40–80</td>
<td>0.026( W )</td>
</tr>
<tr>
<td>80–180</td>
<td>0.017( W )</td>
</tr>
</tbody>
</table>
### T Slot Symbol

*T形槽符号*

Parts compatible with T slot symbolized and incompatible with faded symbolized as below.

石件若适合安装到此*T形槽*上，T形槽用深色表示；反之则用浅色示例如下：

<table>
<thead>
<tr>
<th>T Slot Symbol</th>
<th>Cross Section</th>
<th>Core Hole Φ</th>
<th>Slot Width</th>
<th>Slot Depth</th>
<th>Wall Thickness</th>
<th>Profile Group</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Symbol" /></td>
<td><img src="image2" alt="Cross Section" /></td>
<td>6.2</td>
<td>8.2</td>
<td>10.2</td>
<td>6.0</td>
<td>PG15</td>
</tr>
<tr>
<td><img src="image3" alt="Symbol" /></td>
<td><img src="image4" alt="Cross Section" /></td>
<td>10.0</td>
<td>8.2</td>
<td>11.0</td>
<td>4.0</td>
<td>PG20</td>
</tr>
<tr>
<td><img src="image5" alt="Symbol" /></td>
<td><img src="image6" alt="Cross Section" /></td>
<td>12.0</td>
<td>10.2</td>
<td>13.0</td>
<td>6.0</td>
<td>PG40</td>
</tr>
<tr>
<td><img src="image7" alt="Symbol" /></td>
<td><img src="image8" alt="Cross Section" /></td>
<td>10.2</td>
<td>10.2</td>
<td>10.2</td>
<td>10.2</td>
<td>PG45 PG50 PG60</td>
</tr>
</tbody>
</table>

### Machining Symbol

*加工符号*

- Drilling
- Angle cutting
- Thread tapping
Strut Profile PG15

15x15 2 slots
15x30 3 slots

Strut profile PG15 featuring 6mm T-slot is designed for constructing light weight assemblies.

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Inertia</th>
<th>Moment of Resistance</th>
<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lx(cm^4)</td>
<td>ly(cm^4)</td>
<td>Wx(cm^3)</td>
<td>Wy(cm^3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strut Profile PG15 15x15 2 slots</td>
<td>0.2</td>
<td>0.4</td>
<td>0.3</td>
<td>0.5</td>
<td>0.4</td>
<td>1.11.15.015015.02</td>
</tr>
<tr>
<td>Strut Profile PG15 15x30 3 slots</td>
<td>0.7</td>
<td>1.8</td>
<td>0.8</td>
<td>1.2</td>
<td>0.6</td>
<td>1.11.15.015030.03</td>
</tr>
</tbody>
</table>

Connector selection

<table>
<thead>
<tr>
<th>Connector</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle Profile Bracket</td>
<td>P. 3-12</td>
</tr>
<tr>
<td>Inner Bracket</td>
<td>P. 3-31</td>
</tr>
<tr>
<td>Linear Bar Connector</td>
<td>P. 3-32</td>
</tr>
</tbody>
</table>
Strut Profile PG20
基础框架型材 20系列

Strut profile PG20 featuring 6mm T-slot is designed for constructing light weight assemblies. 基础框架型材20系列, 槽宽6mm, 主要应用于轻负载结构。

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Inertia</th>
<th>Moment of Resistance</th>
<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>lx(cm^4)</td>
<td>ly(cm^4)</td>
<td>Wx(cm^4)</td>
<td>Wy(cm^4)</td>
<td>kg/m</td>
<td></td>
</tr>
<tr>
<td>Strut Profile PG20 20x20 R90 2 slots</td>
<td>0.6</td>
<td>0.6</td>
<td>0.5</td>
<td>0.5</td>
<td>0.45</td>
<td>1.11.20.020020.R90.02</td>
</tr>
<tr>
<td>Strut Profile PG20 20x20 4 slots</td>
<td>0.8</td>
<td>0.8</td>
<td>0.8</td>
<td>0.8</td>
<td>0.5</td>
<td>1.11.20.020020.04</td>
</tr>
<tr>
<td>Strut Profile PG20 20x40 6 slots</td>
<td>1.4</td>
<td>5.1</td>
<td>1.4</td>
<td>2.5</td>
<td>0.9</td>
<td>1.11.20.020040.06</td>
</tr>
<tr>
<td>Strut Profile PG20 20x60 8 slots</td>
<td>2.0</td>
<td>15.8</td>
<td>2.0</td>
<td>5.3</td>
<td>1.3</td>
<td>1.11.20.020060.08</td>
</tr>
<tr>
<td>Strut Profile PG20 20x80 10 slots</td>
<td>2.6</td>
<td>35.9</td>
<td>2.6</td>
<td>9.0</td>
<td>1.7</td>
<td>1.11.20.020080.10</td>
</tr>
<tr>
<td>Strut Profile PG20 40x40 8 slots</td>
<td>8.9</td>
<td>8.9</td>
<td>4.5</td>
<td>4.5</td>
<td>1.3</td>
<td>1.11.20.040040.08</td>
</tr>
</tbody>
</table>
Strut Profile PG30

Strut profile PG30 featuring 8mm T-slot is designed for constructing medium weight assemblies such as machine structure frame, trolley, work station, partition and display frames etc.

Connector selection

Anchor Connector .......................... P. 3-03
Inner Bracket .............................. P. 3-31
Die Cast Bracket ............................ P. 3-08
Linear Bar Connector ........................ P. 3-32
Screw Connector ............................ P. 3-42
Angle Profile Bracket ........................ P. 3-15
### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Inertia</th>
<th>Moment of Resistance</th>
<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strut Profile PG30 15x90 7 slots</td>
<td>1.4</td>
<td>40.4</td>
<td>1.9</td>
<td>9.0</td>
<td>1.5</td>
<td>1.11.30.015090.07</td>
</tr>
<tr>
<td>Strut Profile PG30 30x30 R90 2 slots</td>
<td>2.5</td>
<td>1.6</td>
<td>1.2</td>
<td>0.9</td>
<td>0.8</td>
<td>1.11.30.030030.R90.02</td>
</tr>
<tr>
<td>Strut Profile PG30 30x30 2 slots Type A</td>
<td>2.9</td>
<td>2.9</td>
<td>2.0</td>
<td>2.0</td>
<td>0.9</td>
<td>1.11.30.030030.02A</td>
</tr>
<tr>
<td>Strut Profile PG30 30x30 2 slots Type B</td>
<td>2.8</td>
<td>3.2</td>
<td>1.9</td>
<td>2.1</td>
<td>0.9</td>
<td>1.11.30.030030.02B</td>
</tr>
<tr>
<td>Strut Profile PG30 30x30 3 slots</td>
<td>3.0</td>
<td>2.9</td>
<td>2.0</td>
<td>1.9</td>
<td>0.9</td>
<td>1.11.30.030030.03</td>
</tr>
<tr>
<td>Strut Profile PG30 30x30 4 slots Light</td>
<td>2.6</td>
<td>2.6</td>
<td>1.8</td>
<td>1.8</td>
<td>0.8</td>
<td>1.11.30.030030.04L</td>
</tr>
<tr>
<td>Strut Profile PG30 30x30 4 slots</td>
<td>2.9</td>
<td>2.9</td>
<td>2.0</td>
<td>2.0</td>
<td>0.9</td>
<td>1.11.30.030030.04</td>
</tr>
<tr>
<td>Strut Profile PG30 30x60 6 slots</td>
<td>5.3</td>
<td>19.9</td>
<td>3.5</td>
<td>6.7</td>
<td>1.6</td>
<td>1.11.30.030060.06</td>
</tr>
<tr>
<td>Strut Profile PG30 30x90 8 slots</td>
<td>7.7</td>
<td>62.0</td>
<td>5.1</td>
<td>13.8</td>
<td>2.2</td>
<td>1.11.30.030090.08</td>
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</tbody>
</table>
### Strut Profile PG30

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Inertia</th>
<th>Moment of Resistance</th>
<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strut Profile PG30 30x120 10 slots</td>
<td>10.1</td>
<td>139.9</td>
<td>6.7</td>
<td>23.3</td>
<td>2.9</td>
<td>1.11.30.030120.10</td>
</tr>
<tr>
<td>Strut Profile PG30 60x60 8 slots</td>
<td>35.3</td>
<td>35.3</td>
<td>11.8</td>
<td>11.8</td>
<td>2.5</td>
<td>1.11.30.060060.08</td>
</tr>
<tr>
<td>Strut Profile PG30 60x60 L 8 slots</td>
<td>35.2</td>
<td>17.6</td>
<td>8.5</td>
<td>5.0</td>
<td>2.3</td>
<td>1.11.30.060060L.08</td>
</tr>
<tr>
<td>Strut Profile PG30 60x120 12 slots</td>
<td>74.7</td>
<td>252.6</td>
<td>24.9</td>
<td>42.1</td>
<td>4.8</td>
<td>1.11.30.060120.12</td>
</tr>
</tbody>
</table>
Strut Profile PG40
基础框架型材 40系列

Strut profile PG40 featuring 10mm T-slot is designed for constructing medium or heavy weight assemblies, such as machine structure frame, trolley, work station, partition and display frames etc. (Profile PG40 is frequently used).

基础框架型材 40系列，槽宽10mm，适用于中度负载或重负载结构：机器结构框架，物料车，工作台，工厂车间隔断，展示架等，是应用最为广泛的型材系列。
<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Resistance</th>
<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strut Profile PG40 40x40 R90 2 slots</td>
<td>8.3</td>
<td>4.8</td>
<td>3.0</td>
<td>1.9</td>
<td>1.3</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 1 slot</td>
<td>10.4</td>
<td>10.1</td>
<td>5.2</td>
<td>5.0</td>
<td>1.68</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 2 slots Type A</td>
<td>9.6</td>
<td>9.6</td>
<td>4.5</td>
<td>4.5</td>
<td>1.5</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 2 slots Type B</td>
<td>9.6</td>
<td>8.6</td>
<td>4.8</td>
<td>4.3</td>
<td>1.5</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 3 slots</td>
<td>9.1</td>
<td>8.6</td>
<td>4.5</td>
<td>4.3</td>
<td>1.5</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 4 slots Super Light</td>
<td>7.3</td>
<td>7.3</td>
<td>3.6</td>
<td>3.6</td>
<td>1.3</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 4 slots Light</td>
<td>8.6</td>
<td>8.6</td>
<td>4.3</td>
<td>4.3</td>
<td>1.5</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 4 slots</td>
<td>9.1</td>
<td>9.1</td>
<td>4.6</td>
<td>4.6</td>
<td>1.6</td>
</tr>
<tr>
<td>Strut Profile PG40 40x40 4 slots Heavy</td>
<td>11.5</td>
<td>11.5</td>
<td>5.8</td>
<td>5.8</td>
<td>2.0</td>
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</tbody>
</table>
### Strut Profile PG40

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Inertia</th>
<th>Moment of Resistance</th>
<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>40x60 4 slots</td>
<td>13.3</td>
<td>27.6</td>
<td>6.6</td>
<td>9.2</td>
<td>2.3</td>
<td>1.11.40.040060.04</td>
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<tr>
<td>40x80 6 slots Light</td>
<td>14.3</td>
<td>52.0</td>
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<td>15.8</td>
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<td>40x80 6 slots</td>
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</table>
### Strut Profile PG40

**Modular Assembly Technology**

**Aluminum Profile**

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia (lx, cm²)</th>
<th>Moment of Inertia (ly, cm²)</th>
<th>Moment of Resistance (Wx, cm²)</th>
<th>Moment of Resistance (Wy, cm²)</th>
<th>Mass (kg/m)</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Strut Profile PG40 40x120 8 slots</td>
<td>24.1</td>
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<td>12.1</td>
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<tr>
<td>Strut Profile PG40 40x160 10 slots</td>
<td>31.6</td>
<td>435.7</td>
<td>15.8</td>
<td>54.5</td>
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<tr>
<td>Strut Profile PG40 40x160 10 slots Heavy</td>
<td>43.7</td>
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### Strut Profile PG40

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<th>Moment of Inertia Ix (cm²)</th>
<th>Moment of Inertia Iy (cm²)</th>
<th>Moment of Resistance Wx (cm²)</th>
<th>Moment of Resistance Wy (cm²)</th>
<th>Mass Weight (kg/m)</th>
<th>Part No.</th>
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<tbody>
<tr>
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<td>27.5</td>
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<tr>
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<td>148.2</td>
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<tr>
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<td>74.8</td>
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Strut Profile PG40
基础框架型材 40系列

<table>
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<tr>
<th>Description</th>
<th>Moment of Inertia</th>
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<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
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<tbody>
<tr>
<td></td>
<td>lx(cm^2)</td>
<td>ly(cm^2)</td>
<td>Wx(cm^3)</td>
<td>Wy(cm^3)</td>
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<tr>
<td>Strut Profile PG40 80x160 12 slots</td>
<td>287.5</td>
<td>975.5</td>
<td>71.9</td>
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<tr>
<td>Strut Profile PG40 80x200 14 slots</td>
<td>353.1</td>
<td>1789.8</td>
<td>88.3</td>
<td>179.0</td>
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Strut Profile PG45
基础框架型材 45系列

45x45 R90 2 slots
45x45 R90 2槽

45x45 2 slots Type A
45x45 2槽 A型

45x45 2 slots Type B
45x45 2槽 B型

45x45 3 slots
45x45 3槽

45x45 4 slots Light
45x45 4槽 軽型

45x45 4 slots Heavy
45x45 4槽 重型

45x60 4 slots
45x60 4槽

45x90 6 slots
45x90 6槽

45x90 6 slots Heavy
45x90 6槽 重型

45x180 10 slots
45x180 10槽

90x90 8 slots
90x90 8槽

90x90 8 slots Heavy
90x90 8槽 重型

90x90 L 8 slots
90x90 L形 8槽

90x180 12 slots
90x180 12槽

Strut Profile PG45 featuring 10mm T-slot is designed for constructing heavy weight assemblies such as machine structure frame and workshop partition etc. 基础框架型材45系列，槽宽10mm，适用于重负载结构：机器结构框架，工厂车间隔段等。

Connector selection
推荐连接件

Anchor Connector ......... P. 3-03
锚式连接销

Die Cast Bracket ......... P. 3-10
压铸角铝

Inner Bracket ......... P. 3-31
槽内直角件

Linear Bar Connector ......... P. 3-32
槽内直线件

Angle Profile Bracket ......... P. 3-15
挤压角铝

Screw Connector ......... P. 3-42
大螺栓
### Strut Profile PG45

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia</th>
<th>Moment of Inertia</th>
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<th>Mass</th>
<th>Part No.</th>
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<tr>
<td>Strut Profile PG45 45x45 R90 2 slots</td>
<td>10.5</td>
<td>6.4</td>
<td>3.5</td>
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<tr>
<td>Strut Profile PG45 45x45 2 slots Type B</td>
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<td>5.4</td>
<td>1.9</td>
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<tr>
<td>Strut Profile PG45 45x45 3 slots</td>
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<td>12.1</td>
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### Strut Profile PG45

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<th>Moment of Resistance</th>
<th>Mass</th>
<th>Part No.</th>
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<tr>
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<td>Ix(cm^2)</td>
<td>Iy(cm^2)</td>
<td>Wx(cm^3)</td>
<td>Wy(cm^3)</td>
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<td>Strut Profile PG45 45x90 6 slots</td>
<td>24.2</td>
<td>89.3</td>
<td>10.8</td>
<td>19.9</td>
<td>3.2</td>
<td>1.11.45.045090.06</td>
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<tr>
<td>Strut Profile PG45 45x90 6 slots Heavy</td>
<td>32.5</td>
<td>122.2</td>
<td>14.5</td>
<td>27.2</td>
<td>4.4</td>
<td>1.11.45.045090.06H</td>
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<td>Strut Profile PG45 45x180 10 slots</td>
<td>48.4</td>
<td>640.6</td>
<td>21.5</td>
<td>71.2</td>
<td>5.8</td>
<td>1.11.45.045180.10</td>
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<tr>
<td>Strut Profile PG45 90x90 8 slots</td>
<td>163.2</td>
<td>163.2</td>
<td>36.3</td>
<td>36.3</td>
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### Strut Profile PG45

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<th>Description</th>
<th>Moment of Inertia $I_x (cm^4)$</th>
<th>Moment of Inertia $I_y (cm^4)$</th>
<th>Moment of Resistance $W_x (cm^4)$</th>
<th>Moment of Resistance $W_y (cm^4)$</th>
<th>Mass (kg/m)</th>
<th>Part No.</th>
</tr>
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<tbody>
<tr>
<td>Strut Profile PG45 90x90 8 slots Heavy 基础框架型材 45系列 90×90 8槽 重型</td>
<td>222.9</td>
<td>222.9</td>
<td>49.6</td>
<td>49.6</td>
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<tr>
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<td>161.4</td>
<td>80.3</td>
<td>25.6</td>
<td>15.2</td>
<td>4.6</td>
<td>1.11.45.090090L.08</td>
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<tr>
<td>Strut Profile PG45 90x180 12 slots 基础框架型材 45系列 90×180 12槽</td>
<td>454.9</td>
<td>1585.7</td>
<td>101.1</td>
<td>176.2</td>
<td>12.7</td>
<td>1.11.45.090180.12</td>
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</table>
Strut Profile PG50

基础框架型材50系列

Strut profile PG50 featuring 10mm T-slot is designed for constructing heavy weight assemblies.

基础框架型材50系列，槽宽10mm，适用于重负载结构。

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia (Ix cm²)</th>
<th>Moment of Inertia (Iy cm²)</th>
<th>Moment of Resistance (Wx cm³)</th>
<th>Moment of Resistance (Wy cm³)</th>
<th>Mass (kg/m)</th>
<th>Part No.</th>
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<tbody>
<tr>
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<td>25.0</td>
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<td>Strut Profile PG50 50x100 6 slots 基础框架型材50系列50x100 6槽</td>
<td>46.2</td>
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</tbody>
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Strut Profile PG60
基础框架型材60系列

Strut profile PG60 featuring 10mm T-slot is designed for constructing heavy weight assemblies.
基础框架型材60系列，槽宽10mm，适用于重负载结构。

<table>
<thead>
<tr>
<th>Description</th>
<th>Moment of Inertia  Ix(cm^4)</th>
<th>Moment of Inertia  Iy(cm^4)</th>
<th>Moment of Resistance  Wx(cm^3)</th>
<th>Moment of Resistance  Wy(cm^3)</th>
<th>Mass 重量 (kg/m)</th>
<th>Part No. 订购编号</th>
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<td>47.7</td>
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<td>15.9</td>
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</tr>
</tbody>
</table>
Angle profile is mainly used for producing angle bracket which has a wide range of applications with its good flexibility. The surface treatment of the finished product can be natural anodized, black anodized, electrophoretic paint etc.

角铝型材主要用于制作挤压铝连接件，由于其良好的灵活性而应用广泛，成品表面可采用多种处理方式，本色阳极氧化，黑色阳极氧化，电泳漆等。

<table>
<thead>
<tr>
<th>Description</th>
<th>Mass (kg/m)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angle Profile 20x20x3 角铝型材 20x20x3</td>
<td>0.3</td>
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<tr>
<td>Angle Profile 30x30x4 角铝型材 30x30x4</td>
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<td>1.31.3030.04</td>
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<tr>
<td>Angle Profile 35x35x4 角铝型材 35x35x4</td>
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<tr>
<td>Angle Profile 40x40x5 角铝型材 40x40x5</td>
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<td>Angle Profile 50x50x9 角铝型材 50x50x9</td>
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<td>1.31.5050.09</td>
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<tr>
<td>Angle Profile 100x100x15 角铝型材 100x100x15</td>
<td>8.5</td>
<td>1.31.100100.15</td>
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</tbody>
</table>

Note: The maximum delivery length of angle profile 100x100x15 is 4000mm, the others are all 5800mm.

备注: 角铝型材100x100x15的最大供货长度为4000mm, 其它角铝型材为5800mm.
### Conduit Profile

#### Conduit Profile-40x40

- **Part No.**: 40040
- **Mass (kg/m)**: 0.82

#### Conduit Profile-40x80

- **Part No.**: 40080
- **Mass (kg/m)**: 1.41

#### Conduit Profile-60x120

- **Part No.**: 60120
- **Mass (kg/m)**: 1.41

#### Conduit Profile-80x160

- **Part No.**: 80160
- **Mass (kg/m)**: 1.41

#### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>Mass (kg/m)</th>
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<tbody>
<tr>
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<tr>
<td>Conduit Profile 40x80</td>
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<td>Conduit Profile 80x160</td>
<td>3.64</td>
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</tbody>
</table>
2.11-2.51

Pre-set Nut
预置螺母

Square Nut
方螺母

T Nut
T形螺母

Subsequent Nut
后置弹片螺母

Anti-torsion Subsequent Nut
防扭后置螺母

T Bolt
T形螺栓

Hole Reducer Bolt
变径螺栓

Fastening Elements
紧固件
Fastening Elements

**Pre-set Nut**

Pre-set Nut can be only put into T slot from profile end, with low assembly efficiency, but with good connection and stability. The sleeve is to avoid any sliding when using the pre-set nut for assembly and can be fixed at any required position, especially in vertical position.

Material: Pre-set Nut-nickel plated steel    Pre-set Nut Sleeve-EVA

### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>D</th>
<th>Mass (g/pcs)</th>
<th>Part No.</th>
<th>订购编号</th>
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<tbody>
<tr>
<td>Pre-set Nut-6-M4</td>
<td>6.2</td>
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<td>Pre-set Nut-6-M5</td>
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<tr>
<td>Pre-set Nut-8-M4</td>
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<tr>
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</tbody>
</table>
Fastening Elements

Square Nut

The clip is to avoid any sliding when using the square nut for assembly and can be fixed at any required position, especially at vertical position.

Material: zinc plated steel

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>Square Nut-8-M5</td>
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<td>2.12.08.M5</td>
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</tr>
<tr>
<td>Square Nut-8-M6</td>
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</table>
Fastening Elements

T Nut

T形螺母

T Nut can be inserted directly at the assembly point, which makes the assembly very efficient, however the connection strength and stability is not as good as pre-set nut.

Material: nickel plated steel

<table>
<thead>
<tr>
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<th>D</th>
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<tbody>
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Fastening Elements

Subsequent Nut

Subsequent Nut with a spring leaf can be inserted directly at the assembly point. The spring assists with assembly and positioning. The connecting strength and stability is same as T nut.

Material: zinc plated steel

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<thead>
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Fastening Elements
紧固件

Anti-torsion Subsequent Nut
防扭后置螺母
Prevent profiles with screw connectors from torsion.
防扭后置螺母用于防止型材之间用螺栓连接时的扭转。
Material: nickel plated steel
材质：碳钢镀镍

<table>
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Fastening Elements

**T Bolt**

**T形螺栓**

Similar to T nut, T bolt can be inserted directly at assembly point, with high assembly efficiency. The connection strength and stability are same as T nut.

与T形螺母相似，T形螺栓可以直接插入装配点，装配效率高，其连接强度和稳定性与T形螺母相当。

**Description**

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<table>
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<th>Mass (g/pcs)</th>
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<td>2.41.10.20</td>
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<td>30</td>
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**Material:** nickel plated steel

**材质：** 碳钢镀镍
Fastening Elements

**Hole Reducer Bolt**

To reduce the hole diameter of the profile and improve the thread connection strength.

Material: nickel plated steel

<table>
<thead>
<tr>
<th>Description</th>
<th>D</th>
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Material: nickel plated steel

Hole Reducer Bolt M10/M6
PG45 with square corner hole-8x8(M10)
用于45系列型材四角孔-8x8(M10)

Hole Reducer Bolt M12/M6
PG30 with core hole-Φ10(M12)
用于30系列型材中心孔-Φ10(M12)

Hole Reducer Bolt M14/M8
PG40/PG45/PG50/PG60 with core hole-Φ12(M14)
用于40系列/45系列/50系列/60系列型材中心孔-Φ12(M14)

Hole Reducer Bolt M16/M8
PG60 with square corner hole-14x14(M16)
用于60系列型材四角孔-14x14(M16)
3.11-3.92

Anchor Connector
锚式连接销

Die Cast Bracket
压铸角铝

Angle Profile Bracket
挤压角铝

Inner Bracket
槽内直角件

Linear Bar Connector
槽内直线件

Joining Plate
连接板

Butt Connector
内置连接件

End Connector
端连接件

Screw Connector
大螺栓

Cubic Connector
三维连接件

Connecting Elements
连接件

P. 3-03  P. 3-07  P. 3-12  P. 3-31  P. 3-32

P. 3-34  P. 3-40  P. 3-41  P. 3-42  P. 3-43
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<td>MGS</td>
<td>MAS</td>
<td>MAS</td>
<td>S</td>
<td>TFS</td>
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**Selection Reference**

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<th>Angle Profile Bracket</th>
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<th>Butt Connector</th>
<th>End Connector</th>
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<td>❌ ❌ ❌ ✔️</td>
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</tbody>
</table>

- **High feed force**
  - Anchor Connector: ❌
  - Die Cast Bracket: ✔️
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **High moment**
  - Anchor Connector: ✔️
  - Die Cast Bracket: ❌
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **High torsional moment**
  - Anchor Connector: ❌
  - Die Cast Bracket: ✔️
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Minimal finishing work**
  - Anchor Connector: ✔️
  - Die Cast Bracket: ❌
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Minimal assembly**
  - Anchor Connector: ✔️
  - Die Cast Bracket: ❌
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Low parts costs**
  - Anchor Connector: ✔️
  - Die Cast Bracket: ❌
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Subsequent mounting in closed frame**
  - Anchor Connector: ❌
  - Die Cast Bracket: ✔️
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Adjustment possible**
  - Anchor Connector: ✔️
  - Die Cast Bracket: ❌
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Internal connection (concealable)**
  - Anchor Connector: ❌
  - Die Cast Bracket: ✔️
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️

- **Angle connection**
  - Anchor Connector: ✔️
  - Die Cast Bracket: ❌
  - Angle Profile Bracket: ❌
  - Inner Bracket: ✔️
  - Butt Connector: ❌
  - End Connector: ❌
  - Screw Connector: ✔️
## Connecting Elements

### Anchor Connector

锚式连接销

Material: zinc plated steel

材料：镀锌钢

### Universal

万向型

<table>
<thead>
<tr>
<th>Description</th>
<th>A</th>
<th>D</th>
<th>H</th>
<th>D1</th>
<th>L</th>
<th>Mass (g/unit)</th>
<th>Part No.</th>
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<td>12</td>
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</tbody>
</table>

- **Description**: 产品描述
- **A**: 宽度
- **D**: 高度
- **H**: 厚度
- **D1**: 高度
- **L**: 长度
- **Mass**: 重量 (g/unit)
- **Part No.**: 订购编号

### Diagrams

[Images of Anchor Connector and Universal types]
Connecting Elements

**Anchor Connector**

- Material: zinc plated steel
- 连接件

<table>
<thead>
<tr>
<th>Description</th>
<th>A</th>
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**Standard (Model C)**

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Connecting Elements
连接件

Anchor Connector
锚式连接销
Material: zinc plated steel
材质：锌镀钢

Oblique (Model P)
转角型 (P)

<table>
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<tr>
<th>Description</th>
<th>A</th>
<th>D</th>
<th>H</th>
<th>D1</th>
<th>L</th>
<th>Mass (g/unit)</th>
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Oblique (Model C)
转角型 (C)

<table>
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### Miter (Model P) 对接型 (P)

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<td>PG40-Miter (Model P)</td>
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### Miter (Model C) 对接型 (C)

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Connecting Elements

Die Cast Bracket
压铸角铝
Material: diecast aluminum
材质：压铸铝合金

PG20-20x20
20系列-20x20

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Material: diecast aluminum
Connecting Elements

Die Cast Bracket
压铸角铝
Material: diecast aluminum
材质：压铸铝合金

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**Connecting Elements**

**Die Cast Bracket**

压铸角铝

Material: diecast aluminum

- PG40-40x40
  - 40系列-40x40

- PG40-40x80
  - 40系列-40x80

- PG40-80x80
  - 40系列-80x80

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## Connecting Elements

**Die Cast Bracket**

压铸角铝

Material: diecast aluminum

### PG45-45x45

45系列-45x45

### PG45-45x90

45系列-45x90

### PG45-90x90

45系列-90x90

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### Connecting Elements

#### Die Cast Bracket

- **New!**
- **Material:** diecast aluminum
- **Material:** 压铸铝合金

#### PG50-50x50

50系列-50x50

#### PG50-50x100

50系列-50x100

#### PG50-100x100

50系列-100x100

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### Connecting Elements

**Angle Profile Bracket**

Material: aluminium, anodized (cutting end not anodized)  
材质：铝合金 表面处理：阳极氧化(切面无处理)

Material: aluminium, anodized (cutting end not anodized)  
材质：铝合金 表面处理：阳极氧化(切面无处理)

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<th>W (mm)</th>
<th>Fastening Set</th>
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Connecting Elements

Angle Profile Bracket

Material: aluminium, anodized (cutting end not anodized)

Material: 铝合金 表面处理：阳极氧化（切面未处理）

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<th>W (mm)</th>
<th>PG (mm)</th>
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<th>Mass (g)</th>
<th>Part No.</th>
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Connecting Elements  连接件

Material: aluminium, anodized (cutting end not anodized)

Material: 铝合金 表面处理：阳极氧化（切面未处理）
### Connecting Elements  连接件

**Angle Profile Bracket**  挤压角铝

Material: aluminium, anodized (cutting end not anodized)  材质：铝合金 表面处理：阳极氧化(切面无处理)

---

#### 35x35x4

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<tr>
<th>Application</th>
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<th>Fastening Set</th>
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<th>Part No.</th>
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#### 35x35x4

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#### Connecting Elements

**Material:** aluminium, anodized (cutting end not anodized)
### Connecting Elements

#### Angle Profile Bracket

**Material:** aluminium, anodized (cutting end not anodized)

**Description:**
- Aluminium, anodized (cutting end not anodized)
- Tolerances: ±0.15 mm

**Application**

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<th>W (mm)</th>
<th>Fastening Set</th>
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## Connecting Elements

### Angle Profile Bracket

- **Material:** Aluminium, anodized (cutting end not anodized)
- **Surface Treatment:**阳极氧化(切面无处理)

### Application Table

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<th>Description</th>
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<th>W (mm)</th>
<th>PG (mm)</th>
<th>Fastening Set</th>
<th>Machining Code</th>
<th>Mass (g)</th>
<th>Part No.</th>
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### Connecting Elements

**Angle Profile Bracket**

Material: aluminium, anodized (cutting end not anodized)

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<th>Description</th>
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<th>W (mm)</th>
<th>PG (mm)</th>
<th>Fastening Set</th>
<th>Machining Code</th>
<th>Mass (g)</th>
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Material: aluminium, anodized (cutting end not anodized)

Connecting Elements

连接件

角度型材

材料：铝合金 表面处理：阳极氧化(切面未处理)
### Connecting Elements

**Angle Profile Bracket**

Material: aluminium, anodized (cutting end not anodized)

**Material:** 鋁合金  表面處理：陽極氧化(切面無處理)

50x50x9

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### Connecting Elements

**Connecting Elements 连接件**

**Angle Profile Bracket**  
挤压角铝

Material: aluminium, anodized (cutting end not anodized)  
材质：铝合金 表面处理：阳极氧化（切面无处理）

---

#### Application  
应用

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### Connecting Elements

**Angle Profile Bracket**

Material: aluminium, anodized (cutting end not anodized)

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**Material:** aluminium, anodized (cutting end not anodized)

**Surface Treatment:** anodized (cutting end not anodized)

**Connecting Elements Diagram**

70x70x9-135°
## Connecting Elements

### Angle Profile Bracket

![Angle Profile Bracket](image)

**Material:** aluminium, anodized (cutting end not anodized)

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### Application

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### Connecting Elements

**Angle Profile Bracket**

- **Material**: aluminium, anodized (cutting end not anodized)
- **Material**: 铝合金，表面处理：阳极氧化（切面无处理）

#### Application

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### Connecting Elements

**Angle Profile Bracket**

Material: aluminium, anodized (cutting end not anodized)

- **Material:** 鋁合金  表面處理：陽極氧化(切面無處理)

#### Application

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<tr>
<th>Application</th>
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<th>D (mm)</th>
<th>W (mm)</th>
<th>Fastening Set</th>
<th>Machining Code</th>
<th>Mass (g)</th>
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## Connecting Elements

**Angle Profile Bracket**

### Material:
- Aluminium, anodized (cutting end not anodized)
- 质料：铝合金，表面处理：阳极氧化（切面未处理）

### Application Description

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![Diagram](image-url)
### Connecting Elements

**Description**

- **Angle Profile Bracket**
  - 挤压角铝
- **Material:** aluminium, anodized (cutting end not anodized)
  - 材质：铝合金 表面处理：阳极氧化(切面无处理)

---

#### 80x80x9-45°

![Diagram of 80x80x9-45°]

| Application | Description | D (mm) | W (mm) | PG (mm) | Fastening Set | Machining Code | Mass (g) | Part No.
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**Clean Room**

**Modular Assembly Technology**

- **M6x16 Bolt:** zinc plated
- **M6 Washer:** zinc plated
- **M6 T Nut:** nickel plated
- **M8x20 Bolt:** zinc plated
- **M8 Washer:** zinc plated
- **M8 T Nut:** nickel plated
- **M8x10 Bolt:** zinc plated
- **M8 Washer:** zinc plated
- **M8 T Nut:** nickel plated

---

**Material:**

- aluminium, anodized (cutting end not anodized)
Connecting Elements

Application  Description  D (mm)  W (mm)  PG (mm)  Fastening Set  Machining Code  Mass (g)  Part No.  
PG30  80-30-120 (pcs/单个供货)  7  112  30  8xV  M5  337  3.31.80.30.120
80-30-120 (set/成套供货)  80-30-120 (M5/加工供货)  80-30-120 (M5 set/成套加工供货)  
PG40  80-40-160 (pcs/单个供货)  9  150  40  8xD  M5  449  3.31.80.40.160
80-40-160 (set/成套供货)  80-40-160 (M5/加工供货)  80-40-160 (M5 set/成套加工供货)  
PG45  80-45-180 (pcs/单个供货)  9  170  45  8xD+1xP  M5  510  3.31.80.45.180
80-45-180 (set/成套供货)  80-45-180 (M5/加工供货)  80-45-180 (M5 set/成套加工供货)  

Material: aluminium, anodized (cutting end not anodized)

Connecting Elements

80x80x9-45°
### Connecting Elements

#### Angle Profile Bracket

挤压角铝

**Material:** aluminium, anodized

**Material:** 聚合物，阳极化

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<th>Description</th>
<th>D (mm)</th>
<th>W (mm)</th>
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<th>Mass (g)</th>
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<td>50</td>
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---

**Material:** aluminium, anodized

**Material:** 铝合金，阳极化

**Connecting Elements**

**Description**

100x100x15
### Connecting Elements

#### Angle Profile Bracket

**Material:** aluminium, anodized

**Material:** 铝合金 表面处理: 阳极氧化

---

#### Modular Assembly Technology

**Connecting Elements**  连接件

**Application**

<table>
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<tr>
<th>Description</th>
<th>Part No.</th>
<th>Mass (g)</th>
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<th>Machining Code</th>
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Connecting Elements
连接件

Angle Profile Bracket
挤压角铝
Material: aluminium, anodized

Material: aluminium, anodized

3-29
## Connecting Elements

**Angle Profile Bracket**

- **Material:** aluminium, anodized
- **Material:** 鋁合金  表面處理: 阳極氧化

### Application

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<th>W (mm)</th>
<th>PG (mm)</th>
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<td>PG45 180mm</td>
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</tbody>
</table>
Connecting Elements
连接件

Inner Bracket (with top thread)
内角件 (含顶丝)

Inner bracket is with low cost and high efficiency, widely used for the assembly of door, window and protection frame. 内角件因其低成本、高效率，被广泛地应用于门窗、防护框架的组装。

Material: bracket-diecast zinc  top thread-zinc plated steel
材质：角件-压铸锌 顶丝-热镀锌

---

### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>Mass (g/pcs)</th>
<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td>Inner Bracket-6-A (with top thread)</td>
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<tr>
<td>Inner Bracket-6-B (with top thread)</td>
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<td>3.41.06B</td>
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<tr>
<td>Inner Bracket-8-A (with top thread)</td>
<td>36</td>
<td>3.41.08A</td>
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<td>Inner Bracket-8-B (with top thread)</td>
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<td>3.41.08B</td>
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<tr>
<td>Inner Bracket-10-A (with top thread)</td>
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<td>3.41.10A</td>
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<td>Inner Bracket-10-B (with top thread)</td>
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<td>3.41.10B</td>
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</table>

---

**Step 1**

set parts in position 置入槽口

tighten L1 top thread 锁紧L1顶丝

tighten L2 top thread 锁紧L2顶丝
### Connecting Elements

**Linear Bar Connector (with top thread)**

**Description**

**Mass** (g/pcs)  
**Part No.**  
**Material:** zinc plated steel

<table>
<thead>
<tr>
<th>Description</th>
<th>Mass</th>
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<tbody>
<tr>
<td>Linear Bar Connector-6 (with top thread)</td>
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<td>3.51.06</td>
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<tr>
<td>Linear Bar Connector-8 (with top thread)</td>
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<tr>
<td>Linear Bar Connector-10 (with top thread)</td>
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**Reliability** | **Efficiency** | **Cost**

- Reliability: Four stars
- Efficiency: Four stars
- Cost: Four stars

### Connecting Elements

**Linear Bar Connector-6**  
**Linear Bar Connector-8**  
**Linear Bar Connector-10**
Connecting Elements
连接件

Linear Bar Connector (with top thread)
槽内直线件 (含顶丝)
Material: zinc plated steel
材质：碳钢镀锌

Linear Bar Connector-8
槽内直线件-8

Linear Bar Connector-10
槽内直线件-10

<table>
<thead>
<tr>
<th>Description</th>
<th>Mass (g/pcs)</th>
<th>Part No.</th>
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</thead>
<tbody>
<tr>
<td>Linear Bar Connector-8 (with top thread)</td>
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<tr>
<td>Linear Bar Connector-10 (with top thread)</td>
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<td>3.52.10</td>
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Connecting Elements
连接件

Joining Plate
连接板
Material: zinc plated steel
材质: 碳钢镀镍

PG30-3030-01
30系列-3030-01

PG30-3030-02
30系列-3030-02

PG30-3030-03
30系列-3030-03

<table>
<thead>
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<th>Description</th>
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<th>Mass (g)</th>
<th>Part No.</th>
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<tbody>
<tr>
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<td>5xPG</td>
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<tr>
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<tr>
<td>PG30-3030-02 (pcs) 30系列-3030-02 (单个供货)</td>
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<tr>
<td>PG30-3030-02 (set A) 30系列-3030-02 (成套供货A)</td>
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M6x10 Bolt
zinc plated

M6 Spring Washer
zinc plated

M6 T Nut
nickel plated

Fastening Set

PG

PH
Joining Plate

Material: zinc plated steel

Connecting Elements

<table>
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<th>Description</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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Connecting Elements

Joining Plate

Material: zinc plated steel

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## Connecting Elements

### Joining Plate
连接板
Material: zinc plated steel
材质：镀锌钢板

### Connecting Elements

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### Diagrams

- PG40-4080-01 (40系列-4080-01)
- PG40-4080-02 (40系列-4080-02)
- PG40-4080-03 (40系列-4080-03)
Connecting Elements  连接件

Joining Plate  连接板
Material: zinc plated steel  材质：镀锌钢板

<table>
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Connecting Elements

Joining Plate  
连接板
Material: zinc plated steel  
材质：镀锌钢

PG45-4545-01  
45系列-4545-01

PG45-4545-02  
45系列-4545-02

PG45-4545-03  
45系列-4545-03

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<th>Mass (g)</th>
<th>Part No.</th>
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| PG45-4545-01 (pcs)  
45系列-4545-01 (单个供货)  
45系列-4545-01 (set I)  
45系列-4545-01 (成套供货)  
45系列-4545-02 (单个供货)  
45系列-4545-02 (成套供货)  
45系列-4545-03 (单个供货)  
45系列-4545-03 (成套供货) | Fastening Set | 147  | 3.53.45.4545.01 |
|  | M8x16 Bolt  
zinc plated | 5xI  | 3.53.45.4545.01.STI |
|  | M8 Washer  
zinc plated | 5xO  | 3.53.45.4545.01.STO |
|  | M8T Nut  
nickel plated | 5xI  | 3.53.45.4545.02.STI |
|  |  | 5xO  | 3.53.45.4545.02.STO |
|  |  | 9xI  | 3.53.45.4545.03.STI |
|  |  | 9xO  | 3.53.45.4545.03.STO |
|  |  | 9xO  | 3.53.45.4545.03.STO |
### Connecting Elements

**Butt Connector**

- **Butt Connector** is used for profile affiliating connection and widely used in clean room.
- **Material:** diecast zinc nickel plated

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<th>D (mm)</th>
<th>P (mm)</th>
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Connecting Elements

End Connector

End connector is also called butterfly button connector due to its shape which can hide itself completely in aluminum profile, so it is widely used for frame structures in clean room.

End Connector-8

Material: nickel plated steel

End Connector-10

Material: nickel plated steel

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### Connecting Elements

**Screw Connector**

A simple and economic way to replace end connector with more connection reliability.

**Material**: nickel plated steel

**Description**

<table>
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<th>Description</th>
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<th>Part No.</th>
</tr>
</thead>
</table>
| Screw Connector-6  
大螺栓-6 | 7  
10.2  
6.0 | 3.81.06 |
| Screw Connector-8  
大螺栓-8 | 17  
6.2  
2.0 | 3.81.08 |
| Screw Connector-10  
大螺栓-10 | 31  
10.2  
6.0 | 3.81.10 |
**Connecting Elements**

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**Material:**
- Connector: Diecast aluminum
- Cap: Black ABS

**Dimensions:**
- Cubic Connector-4545-2: 45 x 45 x 45
- Cubic Connector-4545-3: 30 x 30 x 30
## Connecting Elements

**Cubic Connector**

**Material:** Connector-diecast zinc  Cap-black ABS  
**Material:** 三维角件-铝合金 端盖-ABS  
**Material:** 三维角件-铝合金 端盖颜色: 端盖-黑色

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4.11-4.21

End Cap
端盖

T Slot Cover
T形槽扣条

Profile Accessories
型材附件

P. 4-02
P. 4-04
Profile Accessories

End Cap

To prevent staff from any injury and improve profile end appearance.

Material and Color: black ABS

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Profile Accessories
型材附件

End Cap
端盖
To prevent staff from any injury and improve profile end appearance.
端盖可以预防划伤，使型材更美观。
Material and Color: black ABS
材质：ABS 颜色：黑色

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<th>L2 (mm)</th>
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</tr>
</tbody>
</table>
Profile Accessories

T Slot Cover

To prevent slot from contamination and improve structure appearance.

Material and Color: PP black/blue/grey/orange

### Description

<table>
<thead>
<tr>
<th>Part No.</th>
<th>T Slot Cover-6</th>
<th>T Slot Cover-8</th>
<th>T Slot Cover-10</th>
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<tbody>
<tr>
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<td>T形槽扣条-6</td>
<td>T形槽扣条-8</td>
<td>T形槽扣条-10</td>
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<table>
<thead>
<tr>
<th>Description</th>
<th>Color</th>
<th>Mass (g/m)</th>
<th>Delivery Length</th>
<th>Part No.</th>
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<tbody>
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<td>T Slot Cover-8</td>
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</table>

### Note:

1. Cut to delivery length is not available, but 4000mm or Max. 5800 delivery length is available upon request.
2. Customized color upon request is subject to 5000 meters minimum order quantities. If other colors are needed, the minimum order quantity is 5000 meters. 
5.11-5.61

Base Plate
隔斷支腳

Base Plate
型材底座

Leveling Foot
支腳

Mounting Plate
支腳連接板

Castor Plate
腳輪連接板

Castor
腳輪

Base Angle
板支腳

L Base
L 形支腳

Foot and Castor Components
支腳方向輪組件

Leveling Castor
水平調節輪

Floor Elements
地面組件
Floor Elements
地面组件

Base Plate
隔断支脚
To support strut profile at the bottom. Expansion bolts chocked into floor can offer a high stability.
隔断支脚用于支撑型材的底部。膨胀螺栓插入地板可提供高稳定性。

Material and surface treatment: cast steel, anti-corrosive
材质：铸钢 表面处理：防腐化学

Base Plate Gasket
隔断支脚垫片
To adjust the degree of vertical profile and uneven ground.
隔断支脚垫片用于调整型材的垂直度和地面不平。

### Description

<table>
<thead>
<tr>
<th>Description</th>
<th>L (mm)</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
<th>E (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Base Plate-4080 (pcs)</td>
<td>126</td>
<td>40</td>
<td>20</td>
<td>60</td>
<td>40</td>
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<td>2xAZ</td>
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<td>Base Plate-4080 (set A)</td>
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<td>80</td>
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<td>Base Plate-4080 (set B)</td>
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<td>40</td>
<td>20</td>
<td>60</td>
<td>40</td>
<td>80</td>
<td>6xC+3xAA+2xAZ</td>
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<tr>
<td>Base Plate-4080 (set C)</td>
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<td>40</td>
<td>20</td>
<td>60</td>
<td>40</td>
<td>80</td>
<td>8xC+3xAA+2xAZ</td>
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<td>Base Plate-4560 (pcs)</td>
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<td>30</td>
<td>45</td>
<td>60</td>
<td>40</td>
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<tr>
<td>Base Plate-4560 (set)</td>
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<td>22.5</td>
<td>30</td>
<td>45</td>
<td>60</td>
<td>40</td>
<td>4xC+3xAA+2xAZ</td>
<td>1910</td>
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<tr>
<td>Base Plate-4590 (pcs)</td>
<td>141</td>
<td>45</td>
<td>22.5</td>
<td>67.5</td>
<td>45</td>
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<tr>
<td>Base Plate-4590 (set A)</td>
<td>141</td>
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<td>22.5</td>
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<td>45</td>
<td>60</td>
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</table>
Floor Elements  
地面组件

Base Plate  
型材底座
To support strut profile mounted on the floor or between the platforms. Expansion bolts chocked into the floor can offer a high stability.
型材底座用于型材与地面或平台之间的支撑，可用膨胀螺栓插入地下达到固定作用。
Material and Color: aluminum, spray coating, sliver  
材料和颜色：铝合金，喷漆，银色

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Base Plate-4080</td>
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<td>Base Plate-4080 (set)</td>
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</tr>
</tbody>
</table>

Base Plate-4080 (set)  
型材底座-4080 (成套供货)
Leveling Foot—Pivot Foot
支脚-尼龙微调

To support structure where gradual height adjustment is needed, the pivot foot has a small swiveling angle to fit slightly uneven floor. The connection between the pivot base and the spindle can be released with a tool.

Material and Color: Base-black PA6 Spindle-zinc plated steel Pad-black rubber
材质：底板-增强尼龙6 牙杆-碳钢镀锌 胶垫-橡胶 颜色：底板-黑色 胶垫-黑色

### Pivot Foot
尼龙微调支脚

<table>
<thead>
<tr>
<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max. Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
<th>订购编号</th>
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<tbody>
<tr>
<td>Pivot Foot-PA 6 Base</td>
<td>59 M12x90</td>
<td>45</td>
<td>70</td>
<td>4500</td>
<td>152</td>
<td>5.21.60.12.90</td>
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<tr>
<td></td>
<td>M14x130</td>
<td>100</td>
<td>7000</td>
<td>220</td>
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<tr>
<td></td>
<td>79 M12x90</td>
<td>45</td>
<td>70</td>
<td>9000</td>
<td>188</td>
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<tr>
<td></td>
<td>M12x130</td>
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<td>10000</td>
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<tr>
<td></td>
<td>M16x130</td>
<td>100</td>
<td>10000</td>
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<tr>
<td></td>
<td>99 M12x130</td>
<td>45</td>
<td>100</td>
<td>326</td>
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<td></td>
<td>M16x130</td>
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<td>436</td>
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</table>

Leveling Foot—Swivel Foot
支脚-球头

To support structure where gradual height adjustment is needed, the swivel foot has a ball joint between the base and spindle, thus allowing the foot to swivel to an angle up to 30°. It is suitable to be used on the components moved frequently.

Material and Color: Base-black PA6 Spindle-zinc plated steel Pad-black rubber
材质：底板-增强尼龙6 牙杆-碳钢镀锌 胶垫-橡胶 颜色：底板-黑色 胶垫-黑色

### Swivel Foot
球头支脚

<table>
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<tr>
<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max. Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
<th>订购编号</th>
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<tbody>
<tr>
<td>Swivel Foot-PA 6 Base</td>
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<td>45</td>
<td>70</td>
<td>4500</td>
<td>162</td>
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<tr>
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<td>M12x130</td>
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<td>70</td>
<td>9000</td>
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<tr>
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<td>M16x130</td>
<td>100</td>
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<td>338</td>
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<tr>
<td></td>
<td>99 M12x130</td>
<td>45</td>
<td>100</td>
<td>336</td>
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<td></td>
<td>M16x130</td>
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<td>10000</td>
<td>446</td>
<td>5.22.100.16.130</td>
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</table>
### Leveling Foot-Fixed Foot

**Fixed foot** have a non-moving connection between base and spindle. 固定脚杆和底盘间是不可活动的。

**Material and Color:** Base Plate-steel, electrophoresis, black  
Spindle-zinc plated steel  
Pad-black rubber

### Fixed Foot

<table>
<thead>
<tr>
<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
</table>
| **Fixed Foot-Steel Base**
固定底座-钢板底座 | 40    | M12x70   | 35          | 50          | 4000                | 124      | 5.23.40.12.70 |
|              | 60    | M12x70   | 35          | 50          | 7000                | 181      | 5.23.60.12.70 |
|              | 80    | M12x70   | 35          | 50          | 9000                | 220      | 5.23.80.12.70 |

Ad: M14 Fixed Foot should use an end cap with a punched hole.

注: 固定脚M14使用打孔端盖

### Leveling Foot-Pivot Foot

To support structure where gradual height adjustment is needed, the pivot foot has a small swiveling angle to fit slightly uneven floor. The connection between the pivot base and the spindle can be released with a tool.

### Pivot Foot

### Fixed Foot-Steel Base

<table>
<thead>
<tr>
<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
</table>
| **Fixed Foot-Stainless Steel**
固定底座-不锈钢底座 | 40    | M12x70   | 35          | 50          | 4000                | 124      | 5.23.40.12.70 |
|              | 60    | M12x70   | 35          | 50          | 7000                | 181      | 5.23.60.12.70 |
|              | 80    | M12x70   | 35          | 50          | 9000                | 220      | 5.23.80.12.70 |

### Pivot Foot-Zinc Plate Steel

<table>
<thead>
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<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
</table>
| **Pivot Foot-Stainless Steel**
金属调脚支架-不锈钢 | 40    | M12x70   | 35          | 50          | 4000                | 124      | 5.23.40.12.70 |
|              | 60    | M12x70   | 35          | 50          | 7000                | 181      | 5.23.60.12.70 |
|              | 80    | M12x70   | 35          | 50          | 9000                | 220      | 5.23.80.12.70 |

### Pivot Foot-Stainless Steel

<table>
<thead>
<tr>
<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
</table>
| **Pivot Foot-Stainless Steel**
金属调脚支架-不锈钢 | 40    | M12x70   | 35          | 50          | 4000                | 124      | 5.23.40.12.70 |
|              | 60    | M12x70   | 35          | 50          | 7000                | 181      | 5.23.60.12.70 |
|              | 80    | M12x70   | 35          | 50          | 9000                | 220      | 5.23.80.12.70 |
Floor Elements  
地面组件

Cup pivot foot  
杯形调支脚

To support structure where gradual height adjustment is needed, the pivot foot has a small swiveling angle to fit slightly uneven floor. The connection between the pivot base and the spindle can be released with a tool.

杯形调支脚用来支撑需要调整高度的框架结构，调节角度较小，适用于相对较平整的地面。此支脚的牙杆和底盘可用工具拆分。

Material: zinc plated steel  
材质：底盘-碳钢镀锌 牙杆-碳钢镀锌 胶垫-橡胶 颜色：胶垫-黑色

<table>
<thead>
<tr>
<th>Description</th>
<th>D (mm)</th>
<th>KxL (mm)</th>
<th>H min. (mm)</th>
<th>H max. (mm)</th>
<th>Max. Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<td>M12x132</td>
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## Floor Elements

### Mounting Plate

- **Modular Assembly Technology**

- **PG40-40x40**
- **PG45-45x45**
- **PG50-50x50**

### Description

<table>
<thead>
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<th>Description</th>
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<th>Ф</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>W1 (mm)</th>
<th>W2 (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tbody>
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<td>6.5</td>
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<td>40</td>
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<td>30</td>
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<tr>
<td>Mounting Plate-PG45-4545</td>
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<td>6.5</td>
<td>45</td>
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### Notes

- Material: diecast aluminum
- To attach leveling foot to strut profile end, but it does not apply for connecting of castors.

### Specifications

- **PG40-40x60**
- **PG45-45x60**
- **PG40-40x80**
- **PG45-45x90**
## Floor Elements

### Mounting Plate

To attach leveling foot or caster to strut profile end.

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<th>W1 (mm)</th>
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<th>Fastening Set</th>
<th>Mass (g)</th>
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Material and Color: spray coating steel, sliver
Floor Elements  
地面组件

Mounting Plate  
支脚连接板

To attach leveling foot or caster to strut profile end.
连接支脚或脚轮于型材端面。

Material: spray coating steel, silver
材质：碳钢喷涂  颜色：银色

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<th>H (mm)</th>
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Reliability  
可靠性

Efficiency  
效率

Cost  
成本
## Floor Elements 地面组件

### Mounting Plate 支脚连接板

To attach leveling foot or caster to strut profile end.

连接支脚或脚轮与型材端面。

Material and Color: diecast zinc, silver

材料：鋁合金 颜色：银色

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<th>L2 (mm)</th>
<th>W1 (mm)</th>
<th>W2 (mm)</th>
<th>H (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
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Reliability 可靠性 三星三星三星

Efficiency 效率 五星五星五星

Cost 经济 三星三星五星
Floor Elements

Castor Plate

The castor plate is used for attaching profiles to the castor with plate.

Material: zinc plated steel

Floor Elements

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<th>W1 (mm)</th>
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Floor Elements
地面组件

Castor Plate-Heavy
重载脚轮连接板

The castor plate is used for attaching profiles to the castor with plate-Heavy.
此脚轮连接板用于型材平面与重载脚轮的连接。

Material: zinc plated steel
材质：镀锌钢板

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<th>W1 (mm)</th>
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<th>Mass (g)</th>
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<tr>
<td>Castor Plate-Heavy C-PG40 重载脚轮连接板-C型-40系列</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3xDP+2xDR+4xDS</td>
<td>1842</td>
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<td></td>
<td>2xDP+3xDR+4xDS</td>
<td>1850</td>
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<td>PG45</td>
<td>12</td>
<td>135</td>
<td>145</td>
<td>45</td>
<td>22.5</td>
<td>9</td>
<td>4xDP+1xDR+4xDS</td>
<td>1969</td>
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<td>Castor Plate-Heavy D-PG45 重载脚轮连接板-D型-45系列</td>
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<td></td>
<td></td>
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<td>2xDP+3xDQ+4xDS</td>
<td>1985</td>
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</tr>
</tbody>
</table>
The castor plate is used for attaching profiles to the castor with thread.

### Material
- Zinc plated steel

---

### Table

<table>
<thead>
<tr>
<th>Description</th>
<th>PG</th>
<th>H (mm)</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tbody>
<tr>
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<td>PG30</td>
<td>10</td>
<td>30</td>
<td>60</td>
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<td>PG40</td>
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<td>40</td>
<td>80</td>
<td>2xCQ</td>
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</tbody>
</table>

When the castor is installed with this castor plate, the profile need be machined with a $\phi$12.5 and 20mm depth hole at the corresponding position to the thread of the castor.

---

When the castor is installed with this castor plate, the profile need be machined with a $\phi$12.5 and 20mm depth hole at the corresponding position to the thread of the castor.

---

使用此方式安装脚轮时，型材对应脚轮牙杆的位置需要加工1个$\phi$12.5深20mm的孔。
Floor Elements
地面组件

Castor
脚轮
Material and Color: Base-carbon steel, plastic powder coated, black
Wheel-polyurethane(Heavy duty - Nylon)
材质：底座-碳钢喷塑，轮-聚氨酯（重载轮-尼龙） 颜色：底座-黑色

<table>
<thead>
<tr>
<th>Description</th>
<th>Wheel Width (mm)</th>
<th>D (mm)</th>
<th>R (mm)</th>
<th>H (mm)</th>
<th>Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>Castor-Thread-Universal</td>
<td>32</td>
<td>63</td>
<td>63</td>
<td>104</td>
<td>800</td>
<td>550</td>
<td>5.41.63.M12</td>
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<tr>
<td>Castor-Thread-Brake-Universal</td>
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<td>73</td>
<td>119</td>
<td>1050</td>
<td>670</td>
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<tr>
<td>Castor-Plate-Universal</td>
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<td>100</td>
<td>87</td>
<td>142</td>
<td>1350</td>
<td>790</td>
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<tr>
<td>Castor-Plate-Brake</td>
<td>32</td>
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<td>92</td>
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<td>Castor-Plate-Brake</td>
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<td>127</td>
<td>130</td>
<td>1350</td>
<td>970</td>
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</tr>
</tbody>
</table>

Floor Elements
地面组件
Floor Elements  
地面组件

Base Angle  
板支脚

To improve stability of structure supported by leveling foot.
板支脚配合支脚，有辅助支撑的作用，使框架更加稳定牢固。

Material: steel, black electrophoresis
材质：碳钢 表面处理：黑色电泳

**Base Angle-Left/Right**  
板支脚-左/右

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Angle-Left (pcs)</td>
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<td>5.51.L</td>
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<tr>
<td>Base Angle-Left (set)</td>
<td>2xC+1xAA</td>
<td>473</td>
<td>5.51.L.ST</td>
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<tr>
<td>Base Angle-Right (pcs)</td>
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<td>5.51.R</td>
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<tr>
<td>Base Angle-Right (set)</td>
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<td>5.51.R.ST</td>
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<tr>
<td>Base Angle-L+R (pair)</td>
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<td>5.51.P</td>
</tr>
<tr>
<td>Base Angle-L+R (set)</td>
<td>4xC+2xAA</td>
<td>946</td>
<td>5.51.P.ST</td>
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</tbody>
</table>
Floor Elements
地面组件

L Base
L 形支脚
L base is to fix the profile on the floor and adjust the height of the profile to the floor.
L 形支脚可将型材紧固于地面上，并可调节型材距离地面的高度。
Material: diecast aluminum, black electrophoresis
材质：压铸铝合金 表面处理：黑色电泳

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
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<tbody>
<tr>
<td>L Base (pcs)</td>
<td></td>
<td>276</td>
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<tr>
<td>L 形支脚 (单个供货)</td>
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<td></td>
</tr>
<tr>
<td>L Base-PG40 (set)</td>
<td>2xDI+1xDN</td>
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<tr>
<td>L 形支脚-40系列 (成套供货)</td>
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<tr>
<td>L Base-PG45 (set)</td>
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<td>5.52.10.06.ST</td>
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<tr>
<td>L 形支脚-45系列 (成套供货)</td>
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<td></td>
</tr>
</tbody>
</table>
**Floor Elements**

**Foot and Castor Components**

Material and Color: plate, cast steel, silver

Light Wheel-polyurethane Foot-steel, black electrophoresis

Heavy Wheel-PA Foot-zinc plated steel

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tr>
<td>4xJ</td>
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<td></td>
<td>3900</td>
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<td>3xJ+1xAF</td>
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<td>4xW</td>
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<td>3xW+1xAG</td>
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<td><strong>Heavy Weight</strong></td>
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<td>4xJ</td>
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<td>5.6140.H.STB</td>
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<tr>
<td>3xW+1xAG</td>
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<td></td>
<td>4650</td>
<td>5.6145.H.STA</td>
</tr>
</tbody>
</table>
Floor Elements
地面组件

Leveling Castor  
水平调节轮
Material: Base-Carbon steel, Case-Aluminum, Wheel-Nylon 6
材质：底座-碳钢 壳体-铝制 轮-尼龙6

<table>
<thead>
<tr>
<th>Description</th>
<th>Wheel Width (mm)</th>
<th>D (mm)</th>
<th>R (mm)</th>
<th>H (mm)</th>
<th>A (mm)</th>
<th>a (mm)</th>
<th>Load (N)</th>
<th>Mass (kg)</th>
<th>Part No.</th>
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<td>50</td>
<td>61</td>
<td>85</td>
<td>74</td>
<td>7.2</td>
<td>2500</td>
<td>0.77</td>
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<tr>
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<td>30</td>
<td>61</td>
<td>77.5</td>
<td>105</td>
<td>90</td>
<td>9</td>
<td>5000</td>
<td>1.25</td>
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<td></td>
<td>33</td>
<td>75</td>
<td>89.5</td>
<td>118</td>
<td>95</td>
<td>11</td>
<td>10000</td>
<td>1.65</td>
<td>5.62.75</td>
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</tbody>
</table>

![Diagram of Leveling Castor](image)
6.11-6.41
T Slot Reducing Profile
Panel Mounting Block
Panel Mounting Strip
Mounting Block

Panel Installation Elements
6-01

P. 6-02
P. 6-03
P. 6-04
P. 6-05
Panel Installation Elements
板材组件

T Slot Reducing Profile
T形槽内嵌条
To reduce slot width for panel installation.
T形槽内嵌条用于减小槽宽，方便槽内嵌板。
Material and Color: black PVC
材质：PVC 颜色：黑色

<table>
<thead>
<tr>
<th>Description</th>
<th>Mass (g/m)</th>
<th>Delivery Length</th>
<th>Part No.</th>
</tr>
</thead>
</table>
| T Slot Reducing Profile-6
T形槽内嵌条-6 | 25 | 2000mm/bar | 6.11.06 |
| T Slot Reducing Profile-8
T形槽内嵌条-8 | 51 | 2000mm/bar | 6.11.08 |
| T Slot Reducing Profile-10
T形槽内嵌条-10 | 64 | 2000mm/bar | 6.11.10 |
Panel Installation Elements
板材组件

Panel Mounting Block
板夹块
The block is used to attach the panel with various thickness to the profile.
板夹块用于板材与型材的连接，不同的夹板适合不同厚度的板材。
Material and Color: Block-black PVC   Nut-stainless steel
材质：夹块- PVC 螺母-不锈钢 颜色：夹块-黑色

<table>
<thead>
<tr>
<th>Description</th>
<th>PG Number</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Panel Mounting Block-6 (pcs)</td>
<td>PG20</td>
<td>4.4</td>
<td>6.21.06</td>
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<td>Panel Mounting Block-6 (set)</td>
<td>1xFM</td>
<td>7</td>
<td>6.21.06.ST</td>
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<tr>
<td>Panel Mounting Block-8 (pcs)</td>
<td>PG30</td>
<td>9</td>
<td>6.21.08</td>
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</tr>
<tr>
<td>Panel Mounting Block-8 (set)</td>
<td>1xFN</td>
<td>13.5</td>
<td>6.21.08.ST</td>
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</tr>
<tr>
<td>Panel Mounting Block-10-4 (pcs)</td>
<td>PG40</td>
<td>15.8</td>
<td>6.21.10.04</td>
<td></td>
</tr>
<tr>
<td>Panel Mounting Block-10-4 (set)</td>
<td>1xFP</td>
<td>23.8</td>
<td>6.21.10.04.ST</td>
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</tr>
<tr>
<td>Panel Mounting Block-10-6 (pcs)</td>
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<tr>
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<td>1xFP</td>
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<td>6.21.10.06.ST</td>
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</table>

Material and Color: Block-black PVC     Nut-stainless steel

The block is used to attach the panel with various thickness to the profile.
板夹块用于板材与型材的连接，不同的夹板适合不同厚度的板材。
Panel Installation Elements
板材组件

Panel Mounting Strip
板夹条
To attach the panel with 3mm and 5mm thickness to the profile, widely used in clean room.
板夹条用于3mm和5mm的板材与型材连接，适用于洁净室。

Material and Color: gray PVC
材质：PVC 颜色：灰色

Panel Mounting Strip-8-5
板夹条-8-5

Panel Mounting Strip-10-4-3
板夹条-10-4-3

Panel Mounting Strip-10-4-5
板夹条-10-4-5

<table>
<thead>
<tr>
<th>Description</th>
<th>PG</th>
<th>Mass (g/m)</th>
<th>Delivery Length</th>
<th>Part No.</th>
</tr>
</thead>
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<td>Panel Mounting Strip-8-5</td>
<td>PG30</td>
<td>220</td>
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<tr>
<td>Panel Mounting Strip-10-4-3</td>
<td>PG40</td>
<td>273</td>
<td>2000mm/bar</td>
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<tr>
<td>Panel Mounting Strip-10-4-5</td>
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<td></td>
<td></td>
<td>6.31.10.04.02</td>
</tr>
</tbody>
</table>
Panel Installation Elements
板材组件

Mounting Block
夹网螺母块
Mounting block is used for fixing the mesh of Φ4 to the standard profiles, which has a better physical property.
夹网螺母块适用于网丝直径为4mm的焊接网和编织网的固定，拥有较强的连接强度。
Material: diecast zinc
材质：压铸锌合金
Mounting Block-8
夹网螺母块-8

Mounting Block-10-4
夹网螺母块-10-4

Mounting Block-10-6
夹网螺母块-10-6

<table>
<thead>
<tr>
<th>Description</th>
<th>PG</th>
<th>Mass weight (g/pcs)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting Block-8(with top thread)</td>
<td>PG30</td>
<td>19</td>
<td>6.41.08.01</td>
</tr>
<tr>
<td>Mounting Block-10-4(with top thread)</td>
<td>PG40</td>
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<td>Mounting Block-10-6(with top thread)</td>
<td>PG45/50/60</td>
<td>23</td>
<td>6.41.10.06.01</td>
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</tbody>
</table>

Note: The distance (a) between the nearest meshes and profiles have to be more than 20mm and less than b+5mm (b is the distance of the meshes). And the optimum distance between mounting blocks is 300mm to ensure the structure intensity.
备注：网丝与型材间距a需满足20mm<a<b+5mm (b为该网的网格距离尺寸)，建议螺母块安装间距300mm以确保安装强度。
7.11-7.51

Handle
把手

Hinge
合页

Lock
门锁

Magnet Catch
门碰

Door Lock
门搭扣

Sliding Door Profile
拉门滑道
### Door and Window Elements

**Handle**

Material and Color: PA6, black

<table>
<thead>
<tr>
<th>Description</th>
<th>PG Type</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>D1 (mm)</th>
<th>D2 (mm)</th>
<th>Fastening Set</th>
<th>Cap Color</th>
<th>Mass Weight (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA6 Handle-90 (pcs)/尼龙把手-90 (单个供货)</td>
<td>PG15/20</td>
<td>90</td>
<td>36</td>
<td>6.5</td>
<td>18</td>
<td>2xCA</td>
<td>BE</td>
<td>23</td>
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</tr>
<tr>
<td>PA6 Handle-90 (set)/尼龙把手-90 (成套供货)</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>PA6 Handle-90 (pcs)/尼龙把手-90 (单个供货)</td>
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<td></td>
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<td>2xCA</td>
<td>BE</td>
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<td>7.11.90.06.BK</td>
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<td></td>
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<tr>
<td>PA6 Handle-90 (pcs)/尼龙把手-90 (单个供货)</td>
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<td>BK</td>
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<td>120</td>
<td>40</td>
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**Fastening Set**

- **CA**: M5x25 Bolt zinc plated, M5 T Nut nickel plated
- **CB**: M6x25 Bolt zinc plated, M6 T Nut nickel plated
- **CD**: M8x25 Bolt zinc plated, M8 T Nut nickel plated
- **CE**: M8x30 Bolt zinc plated, M8 T Nut nickel plated
### Door and Window Elements 门窗组件

Guard Wing Handle 带翼把手

- **Material and Color**: PA6, black
- **Description**: 把手-尼龙6 颜色: 把手-黑色 扣盖-蓝色BE/黑色BK

<table>
<thead>
<tr>
<th>Description</th>
<th>PG Type</th>
<th>Fastening Set</th>
<th>Cap Color</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tr>
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<td>PG30</td>
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<td></td>
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<tr>
<td>Guard Wing Handle -95 (pc) 带翼把手-95 (单个供货)</td>
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<tr>
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![Diagram of Guard Wing Handle](image)
Door and Window Elements

Aluminum Handle

Material: handle-aluminum  Cap-ABS  Cap Color: gray and black

---

<table>
<thead>
<tr>
<th>Application &amp; Description</th>
<th>Cap Color</th>
<th>L (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<td>Aluminum Handle (set)</td>
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<tr>
<td>(成套供货)</td>
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<td>Aluminum Handle (pc)</td>
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<tr>
<td>(単个供货)</td>
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<td>Aluminum Handle (set)</td>
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<tr>
<td>(成套供货)</td>
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<td>Aluminum Handle (pc)</td>
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<td>(単个供货)</td>
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<td>Aluminum Handle (set)</td>
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<td></td>
<td></td>
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<tr>
<td>(成套供货)</td>
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</table>

Note: 1. Single supply including 3 of M5 T Nuts (Reference No.2.21.06.M5).
2. The length could be customized according to customer’s requirements (300~2000mm).

L=500mm

Part No. 订购编号

ex: 7.13.P.GY - 500
### Door and Window Elements

**Hinge**

**Material and Color:** black PA6

**Material:** 增强尼龙6  **Color:** 黑色

![Hinge-PA6 Diagram](image)

<table>
<thead>
<tr>
<th>Description</th>
<th>H1 (mm)</th>
<th>H2 (mm)</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>D1 (mm)</th>
<th>D2 (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<tr>
<td>30/30 (pcs)/单个供货</td>
<td>15</td>
<td>15</td>
<td>28</td>
<td>28</td>
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<td>FG</td>
<td>39</td>
<td>7.21.30.30</td>
</tr>
<tr>
<td>30/30 (set)/成套供货</td>
<td>20</td>
<td>15</td>
<td>38</td>
<td>28</td>
<td>8.5</td>
<td>6.5</td>
<td>FG+FL</td>
<td>42</td>
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<tr>
<td>30/40 (pcs)/单个供货</td>
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<td>15</td>
<td>43</td>
<td>28</td>
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<td>38</td>
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<td>20</td>
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<td>FG</td>
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</table>

**M8x16 Bolt**

 Zinc plated

**M8 T Nut**

 Nickel plated

**M6x14 Bolt**

 Zinc plated

**M6 T Nut**

 Nickel plated

**Fmax=300N**

**MAS**

**SPS**

**TFS**

**MCS**
### Door and Window Elements

**Light Hinge-Aluminum Countersink Hole**

Material and Color: aluminum, nature anodized

#### Description

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<td>30/30 (set)/</td>
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#### Dimensions

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<td>38</td>
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<td>6.5</td>
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#### Fastening Set

- **DJ**: M6 T Nut nickel plated
- **FL**: M6 T Nut nickel plated
- **DL**: M6 T Nut nickel plated

### Notes

- **Fmax**: 300N
- **Material and Color**: aluminum, nature anodized
### Door and Window Elements

#### Hinge

**Material and Color:** aluminum, nature anodized

**Description:**

<table>
<thead>
<tr>
<th>Description</th>
<th>H1 (mm)</th>
<th>H2 (mm)</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>D1 (mm)</th>
<th>D2 (mm)</th>
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<th>Mass (g)</th>
<th>Part No.</th>
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<td>30/30 (set)/成套供货</td>
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Door and Window Elements

Material and Color: aluminum, nature anodized

Hinge: 青金

Description

Fastening Set | Mass (g) | Part No.
---|---|---
20/20 (pcs)/单个供货 | 15 | 7.23.20.20
20/20 (set)/成套供货 | 4xPC | 29 | 7.23.20.20.ST

| Description | H1 (mm) | H2 (mm) | L1 (mm) | L2 (mm) | D1 (mm) | D2 (mm) | Fastening Set | Mass (g) | Part No.
|---|---|---|---|---|---|---|---|---|---|
| 30/30 (pcs)/单个供货 | 15 | 15 | 28 | 28 | 6.5 | 6.5 | 4xFH | 71 | 7.23.30.30
| 30/40 (pcs)/单个供货 | 20 | 15 | 38 | 28 | 8.5 | 6.5 | 2xFH+2xFJ | 124 | 7.23.40.45
| 40/40 (pcs)/单个供货 | 20 | 20 | 38 | 38 | 8.5 | 8.5 | 4xFJ | 83 | 7.23.40.40
| 45/45 (pcs)/单个供货 | 22.5 | 20 | 38 | 38 | 8.5 | 8.5 | 2xFJ+2xFK | 156 | 7.23.45.45
| 30/30 (set)/成套供货 | 15 | 15 | 28 | 28 | 6.5 | 6.5 | 4xFH | 99 | 7.23.30.30.ST
| 30/40 (set)/成套供货 | 20 | 15 | 38 | 28 | 8.5 | 6.5 | 2xFH+2xFJ | 124 | 7.23.40.45.ST
| 40/40 (set)/成套供货 | 20 | 20 | 38 | 38 | 8.5 | 8.5 | 4xFJ | 151 | 7.23.40.40.ST
| 45/45 (set)/成套供货 | 22.5 | 20 | 38 | 38 | 8.5 | 8.5 | 2xFJ+2xFK | 156 | 7.23.45.45.ST

**Hinge-Aluminum Through Hole**

Material and Color: aluminum, nature anodized

Hinge: 青金

Description

Fastening Set | Mass (g) | Part No.
---|---|---
20/20 (pcs)/单个供货 | 15 | 7.23.20.20
20/20 (set)/成套供货 | 4xPC | 29 | 7.23.20.20.ST

| Description | H1 (mm) | H2 (mm) | L1 (mm) | L2 (mm) | D1 (mm) | D2 (mm) | Fastening Set | Mass (g) | Part No.
|---|---|---|---|---|---|---|---|---|---|
| 30/30 (pcs)/单个供货 | 15 | 15 | 28 | 28 | 6.5 | 6.5 | 4xFH | 71 | 7.23.30.30
| 30/40 (pcs)/单个供货 | 20 | 15 | 38 | 28 | 8.5 | 6.5 | 2xFH+2xFJ | 124 | 7.23.40.45
| 40/40 (pcs)/单个供货 | 20 | 20 | 38 | 38 | 8.5 | 8.5 | 4xFJ | 83 | 7.23.40.40
| 45/45 (pcs)/单个供货 | 22.5 | 20 | 38 | 38 | 8.5 | 8.5 | 2xFJ+2xFK | 156 | 7.23.45.45
| 30/30 (set)/成套供货 | 15 | 15 | 28 | 28 | 6.5 | 6.5 | 4xFH | 99 | 7.23.30.30.ST
| 30/40 (set)/成套供货 | 20 | 15 | 38 | 28 | 8.5 | 6.5 | 2xFH+2xFJ | 124 | 7.23.40.45.ST
| 40/40 (set)/成套供货 | 20 | 20 | 38 | 38 | 8.5 | 8.5 | 4xFJ | 151 | 7.23.40.40.ST
| 45/45 (set)/成套供货 | 22.5 | 20 | 38 | 38 | 8.5 | 8.5 | 2xFJ+2xFK | 156 | 7.23.45.45.ST

**Hinge-Aluminum Through Hole**

Material and Color: aluminum, nature anodized

Hinge: 青金

Description

Fastening Set | Mass (g) | Part No.
---|---|---
20/20 (pcs)/单个供货 | 15 | 7.23.20.20
20/20 (set)/成套供货 | 4xPC | 29 | 7.23.20.20.ST

| Description | H1 (mm) | H2 (mm) | L1 (mm) | L2 (mm) | D1 (mm) | D2 (mm) | Fastening Set | Mass (g) | Part No.
|---|---|---|---|---|---|---|---|---|---|
| 30/30 (pcs)/单个供货 | 15 | 15 | 28 | 28 | 6.5 | 6.5 | 4xFH | 71 | 7.23.30.30
| 30/40 (pcs)/单个供货 | 20 | 15 | 38 | 28 | 8.5 | 6.5 | 2xFH+2xFJ | 124 | 7.23.40.45
| 40/40 (pcs)/单个供货 | 20 | 20 | 38 | 38 | 8.5 | 8.5 | 4xFJ | 83 | 7.23.40.40
| 45/45 (pcs)/单个供货 | 22.5 | 20 | 38 | 38 | 8.5 | 8.5 | 2xFJ+2xFK | 156 | 7.23.45.45
| 30/30 (set)/成套供货 | 15 | 15 | 28 | 28 | 6.5 | 6.5 | 4xFH | 99 | 7.23.30.30.ST
| 30/40 (set)/成套供货 | 20 | 15 | 38 | 28 | 8.5 | 6.5 | 2xFH+2xFJ | 124 | 7.23.40.45.ST
| 40/40 (set)/成套供货 | 20 | 20 | 38 | 38 | 8.5 | 8.5 | 4xFJ | 151 | 7.23.40.40.ST
| 45/45 (set)/成套供货 | 22.5 | 20 | 38 | 38 | 8.5 | 8.5 | 2xFJ+2xFK | 156 | 7.23.45.45.ST
### Door and Window Elements  门窗组件

#### Hinge  合页

**Material and Color:** aluminum, nature anodized  
**材质:** 铝合金  **表面处理:** 自然氧化

#### Hinge-Aluminum Countersink Hole  合页-铝合金-沉孔

#### Hinge-Aluminum Through Hole  合页-铝合金-通孔

### Part 1: Hinge-Aluminum Countersink Hole

#### Description

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<th>H (mm)</th>
<th>L (mm)</th>
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<th>D2 (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
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<td>4xFH+2xFJ</td>
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### Hinge

**Material and Color:** aluminum, nature anodized

#### Description

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<th>H2 (mm)</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>D1 (mm)</th>
<th>D2 (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No. (L)</th>
<th>Part No. (R)</th>
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| 30/30 (pcs)           | 15      | 15      | 28      | 28      | 6.5     | 6.5     | 4xF
| 30/30 (set)           |         |         |         |         |         |         |               | 105      | 7.26.30.30   | 7.27.30.30   |
| 30/40 (pcs)           | 20      | 15      | 38      | 28      | 8.5     | 6.5     | 2xF+2xF
| 30/40 (set)           |         |         |         |         |         |         |               | 110      | 7.26.30.40   | 7.27.30.40   |
| 30/45 (pcs)           | 22.5    | 15      | 38      | 28      | 8.5     | 6.5     | 2xF+2xF
| 30/45 (set)           |         |         |         |         |         |         |               | 110      | 7.26.30.45   | 7.27.30.45   |
| 40/40 (pcs)           | 20      | 20      | 38      | 38      | 8.5     | 8.5     | 4xF
| 40/40 (set)           |         |         |         |         |         |         |               | 118      | 7.26.40.40   | 7.27.40.40   |
| 40/45 (pcs)           | 22.5    | 20      | 38      | 38      | 8.5     | 8.5     | 4xF
| 40/45 (set)           |         |         |         |         |         |         |               | 118      | 7.26.40.45   | 7.27.40.45   |
| 45/45 (pcs)           | 22.5    | 22.5    | 38      | 38      | 8.5     | 8.5     | 4xF
| 45/45 (set)           |         |         |         |         |         |         |               | 118      | 7.26.45.45   | 7.27.45.45   |

*Fmax=400N*
Door and Window Elements

Hinge

Material and Color: aluminum, nature anodized

<table>
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<tr>
<th>Description</th>
<th>H1 (mm)</th>
<th>H2 (mm)</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>D1 (mm)</th>
<th>D2 (mm)</th>
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<th>Fastening Set</th>
<th>Mass (g)</th>
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<td>FF</td>
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Note: The length could be customized according to customer’s requirements (100~1000mm).

ex: 7.28.30.30 - 1000

L=1000mm
Part No. 订购编号
Door and Window Elements

Lock

Compact metal lock with self-locking design.  
设计简洁，有自锁功能。  
Material and Color: diecast zinc, black electrophoresis  
材料：压铸锌 颜色：黑色电泳

<table>
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<th>Profile 1</th>
<th>Profile 2</th>
<th>Fastening Set</th>
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<th>Part No.</th>
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Note: Including special nuts.  
备注：含门锁专用螺母。
Door and Window Elements

Lock

Material and Color: zinc alloy, polish finish

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<th>Profile 2</th>
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</table>
Door and Window Elements

Magnet Catch

Material: Magnet Catch-aluminum alloy, hard oxidation anodized
Connectors-zinc plated steel

Note: When the magnet catch is installed on the lower door frame, the door should be more than 400mm.

- Magnet Catch-14 (pcs)
  门碰-14（单个供货）
  Fastening Set 紧固组件
  Mass 重量 (g)
  Part No. 订购编号
  Magnet Catch-14 (Profile 3030 for Door, Profile 3030 for Doorframe set No.1)
  门碰-14 (3030型材做门，3030型材做门框 成套供货 No.1)
  2xFastening Set +2xFastening Set +2xFastening Set
  130 7.41.14.3030.ST

- Magnet Catch-14 (Profile 3030 for Door, Profile 4040 for Doorframe set No.2)
  门碰-14 (3030型材做门，4040型材做门框 成套供货 No.2)
  2xFastening Set +2xFastening Set +2xFastening Set
  139 7.41.14.3040.ST

- Magnet Catch-14 (Profile 3030 for Door, Profile 4545 for Doorframe set No.3)
  门碰-14 (3030型材做门，4545型材做门框 成套供货 No.3)
  2xFastening Set +2xFastening Set +2xFastening Set
  145 7.41.14.3045.ST
Door and Window Elements

Magnet Catch

Material: Magnet Catch-aluminum alloy, hard oxidation anodized
Connector-zinc plated steel
(Material for Connector 4080 is aluminum alloy)

Note: When the magnet catch is installed on the lower door frame, the door should be more than 400mm.

门磁

Tighten Status 1

Tighten Status 2

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No. 紧固组件 重量 订购编号</th>
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<tbody>
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<tr>
<td>Magnet Catch-14 (Profile 4040 for Door, Profile 4080 for Doorframe 门磁-14 (4040型材做门，4080型材做门框 成套供货 No.6))</td>
<td>2xCL+2xCY</td>
<td>255</td>
<td>7.41.14.4080.ST</td>
</tr>
<tr>
<td>Magnet Catch-14 (Profile 4545 for Door, Profile 4545 for Doorframe 门磁-14 (4545型材做门，4545型材做门框 成套供货 No.4))</td>
<td>2xCG+2xPF+2xCN</td>
<td>151</td>
<td>7.41.14.4545.ST</td>
</tr>
</tbody>
</table>
Door and Window Elements 门窗组件

Door lock 门搭扣

Material: DoorLock-black electrophoresis
Block-diecast aluminum, black electrophoresis

<table>
<thead>
<tr>
<th>Description</th>
<th>Profile 1</th>
<th>Profile 2</th>
<th>L (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No. 订购编号</th>
</tr>
</thead>
<tbody>
<tr>
<td>Door Locks-3040 门搭扣-3040</td>
<td>PG40 40系列</td>
<td>PG30 30系列</td>
<td>30</td>
<td>2xCU+1xEP</td>
<td>115</td>
<td>7.42.30.3040</td>
</tr>
<tr>
<td>Door Locks-3045 门搭扣-3045</td>
<td>PG45 45系列</td>
<td>PG30 30系列</td>
<td>30</td>
<td>2xCU+1xEP</td>
<td>115</td>
<td>7.42.30.3045</td>
</tr>
<tr>
<td>Door Locks-4040 门搭扣-4040</td>
<td>PG40 40系列</td>
<td>PG40 40系列</td>
<td>50</td>
<td>2xCU+1xEP</td>
<td>185</td>
<td>7.42.30.4040</td>
</tr>
<tr>
<td>Door Locks-4045 门搭扣-4045</td>
<td>PG45 45系列</td>
<td>PG40 40系列</td>
<td>50</td>
<td>2xCU+1xEP</td>
<td>187</td>
<td>7.42.30.4045</td>
</tr>
<tr>
<td>Door Locks-4545 门搭扣-4545</td>
<td>PG45 45系列</td>
<td>PG45 45系列</td>
<td>50</td>
<td>2xCV+1xEP</td>
<td>187</td>
<td>7.42.30.4545</td>
</tr>
</tbody>
</table>

Note: including block and special nut.
备注：含固定块和门搭扣专用螺母。
2 The length could be customized according to customer’s requirement(30~80mm)
L值还可根据客户要求订做(30~80mm).
ex: 7.42.30.3040 - 50
L=50mm Part No. 订购编号
Door and Window Elements

Sliding Door Profile

The sliding door profile clips into strut profiles and is suitable for light-weight sliding doors.


Sliding Door Profile-8

Sliding Door Profile-10-4

<table>
<thead>
<tr>
<th>Description</th>
<th>PG</th>
<th>Mass</th>
<th>Delivery Length</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sliding Door Profile-8</td>
<td>PG30</td>
<td>330</td>
<td></td>
<td>7.51.08</td>
</tr>
<tr>
<td>Sliding Door Profile-8 (including 2 pcs PE bar)</td>
<td>PG30</td>
<td>390</td>
<td></td>
<td>7.51.08.ST</td>
</tr>
<tr>
<td>Sliding Door Profile-10-4</td>
<td>PG40</td>
<td>450</td>
<td>3000mm/bar</td>
<td>7.51.10.04</td>
</tr>
<tr>
<td>Sliding Door Profile-10-4 (including 2 pcs PE bar)</td>
<td>PG40</td>
<td>510</td>
<td></td>
<td>7.51.10.04.02.ST</td>
</tr>
<tr>
<td>Sliding Door Profile-10-4 (including 3 pcs PE bar)</td>
<td>PG40</td>
<td>540</td>
<td></td>
<td>7.51.10.04.03.ST</td>
</tr>
</tbody>
</table>
Additional Accessories 其它附件

8.11-8.61
Suspended Glider 悬挂
Swivel Angle Plate 角度调节板
Potential Equaliser Nut 导静电螺母
Joint 枢轴
Frame Joint 加强筋
Mounting Adaptor for Roller 辊筒固定块
Telescope Unit 伸缩装置

8
Additional Accessories 其它附件
### Additional Accessories

#### Suspended Glider

**Glider**
The glider can be suspended in profile slot.

**Material and Color:** glider-PA6+GF30, black  
hook-zinc plated steel

- **Suspended Glider-8**
- **Suspended Glider-10**

**Description**

<table>
<thead>
<tr>
<th>Description</th>
<th>Static Load (N)</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suspended Glider-8</td>
<td>200</td>
<td>48</td>
<td>8.11.08</td>
</tr>
<tr>
<td>Suspended Glider-10</td>
<td>200</td>
<td>48</td>
<td>8.11.10</td>
</tr>
</tbody>
</table>

**Additional Accessories**

- Material and Color: glider-PA6+GF30, black  
hook-zinc plated steel

- The glider can be suspended in profile slot.
### Additional Accessories

**Swivel Angle Plate**

角度调节板

*Ininitely variable adjusting of inclination with swivel angle.*

角度调节板可实现型材间最大角度的调节。

**Material and Color:** steel, black electrophoresis

**Swivel Angle Plate-PG30**

角度调节板-30系列

<table>
<thead>
<tr>
<th>Description</th>
<th>Part No.</th>
<th>Mass (g)</th>
<th>Day Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swivel Angle Plate-PG30 (pcs)</td>
<td>8.21.30</td>
<td>160</td>
<td>8.21.30</td>
</tr>
<tr>
<td>Swivel Angle Plate-PG30 (set)</td>
<td>PG30 30系列</td>
<td>270</td>
<td>8.21.30.ST</td>
</tr>
<tr>
<td>Swivel Angle Plate-PG40/45 (pcs)</td>
<td>8.21.40</td>
<td>288</td>
<td>8.21.40</td>
</tr>
<tr>
<td>Swivel Angle Plate-PG40/45-PG30 (set)</td>
<td>PG40/45 40/45系列</td>
<td>420</td>
<td>8.21.40.30.ST</td>
</tr>
<tr>
<td>Swivel Angle Plate-PG40/45-PG40/45 (set)</td>
<td>PG40/45 40/45系列</td>
<td>443</td>
<td>8.21.40.40.ST</td>
</tr>
</tbody>
</table>

**Swivel Angle Plate-PG40/45**

角度调节板-40/45系列

**Fastening Set**

- **FR:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **FT:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **FV:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **FW:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **R:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫

---

**Additional Accessories**

其他附件

**Swivel Angle Plate-PG30**

角度调节板-30系列

---

**Swivel Angle Plate-PG40/45**

角度调节板-40/45系列

---

**Description**

- **P1:**
  - Swivel Angle Plate-PG30 (pcs): PG30 30系列
  - Swivel Angle Plate-PG30 (set): PG30 30系列
  - Swivel Angle Plate-PG40/45 (pcs): PG40/45 40/45系列
  - Swivel Angle Plate-PG40/45-PG30 (set): PG40/45 40/45系列
  - Swivel Angle Plate-PG40/45-PG40/45 (set): PG40/45 40/45系列

---

**Fastening Set**

- **FR:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **FT:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **FV:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **FW:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫
- **R:** 不锈钢手柄, 锁紧螺杆, 不锈钢螺母，不锈钢平垫

---

**Material and Color:**

- **Material:** steel
- **Color:** black electrophoresis
Additional Accessories
其他附件

Potential Equaliser Nut
导静电螺母
Potential Equaliser Nut penetrates the oxide film of the profiles at the connection to conduct the static inside of the profiles and to average the potential.
导静电螺母可以在连接处刺透两端型材的氧化膜，从而导通型材内部静电，实现平均电势的作用。
Material: zinc alloy
材质：锌合金

<table>
<thead>
<tr>
<th>Description</th>
<th>D</th>
<th>Mass (g/pcs)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential Equaliser Nut-8-M4 (with top thread)</td>
<td>M4</td>
<td>3</td>
<td>8.22.08.M4</td>
</tr>
<tr>
<td>Potential Equaliser Nut-10-M5 (with top thread)</td>
<td>M5</td>
<td>7</td>
<td>8.22.10.M5</td>
</tr>
</tbody>
</table>

Material: zinc alloy

Step 1
Step 2
Step 3
### Additional Accessories

**Joint**

To connect movable profiles.

Material: zinc plated steel

**Description**

<table>
<thead>
<tr>
<th>Type</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>R (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>40</td>
<td>40</td>
<td>35</td>
<td>2xFX</td>
<td>560</td>
<td>8.31.4040A</td>
</tr>
<tr>
<td>B</td>
<td>40</td>
<td>40</td>
<td>35</td>
<td>1xFD+1xFX</td>
<td>575</td>
<td>8.31.4040B</td>
</tr>
<tr>
<td>C</td>
<td>40</td>
<td>40</td>
<td>35</td>
<td>1xFD+1xFX</td>
<td>575</td>
<td>8.31.4040C</td>
</tr>
<tr>
<td>A</td>
<td>60</td>
<td>60</td>
<td>35</td>
<td>2xFX</td>
<td>680</td>
<td>8.31.4060A</td>
</tr>
<tr>
<td>B</td>
<td>60</td>
<td>60</td>
<td>35</td>
<td>1xFD+1xFX</td>
<td>695</td>
<td>8.31.4060B</td>
</tr>
<tr>
<td>C</td>
<td>60</td>
<td>60</td>
<td>35</td>
<td>1xFD+1xFX</td>
<td>695</td>
<td>8.31.4060C</td>
</tr>
<tr>
<td>A</td>
<td>45</td>
<td>45</td>
<td>37.5</td>
<td>2xFX</td>
<td>650</td>
<td>8.31.4545A</td>
</tr>
<tr>
<td>B</td>
<td>45</td>
<td>45</td>
<td>37.5</td>
<td>1xFD+1xFX</td>
<td>665</td>
<td>8.31.4545B</td>
</tr>
<tr>
<td>C</td>
<td>45</td>
<td>45</td>
<td>37.5</td>
<td>1xFD+1xFX</td>
<td>665</td>
<td>8.31.4545C</td>
</tr>
<tr>
<td>A</td>
<td>60</td>
<td>60</td>
<td>37.5</td>
<td>2xFX</td>
<td>800</td>
<td>8.31.4560A</td>
</tr>
<tr>
<td>B</td>
<td>60</td>
<td>60</td>
<td>37.5</td>
<td>1xFD+1xFX</td>
<td>815</td>
<td>8.31.4560B</td>
</tr>
<tr>
<td>C</td>
<td>60</td>
<td>60</td>
<td>37.5</td>
<td>1xFD+1xFX</td>
<td>815</td>
<td>8.31.4560C</td>
</tr>
</tbody>
</table>
Additional Accessories

Joint Type A

Joint Type B

Joint Type C

Material: zinc alloy

Joint-Type A

M8x12 Bolt zinc plated

Fastening Set FU

M8 T Nut nickel plated

M8x20 Bolt zinc plated

Fastening Set FX

Hole Reducer Bolt nickel plated

Joint-Type B

M6x10 Bolt zinc plated

Fastening Set FS

M6 T Nut nickel plated

M6x16 Bolt zinc plated

Fastening Set FO

Hole Reducer Bolt nickel plated

Joint-Type C

Note: Ratchet handle (part number RH) is an optional accessory for all three connection types-type A, B and C.

<table>
<thead>
<tr>
<th>Description</th>
<th>L1 (mm)</th>
<th>L2 (mm)</th>
<th>R (mm)</th>
<th>Fastening Set</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joint-Type A-3030</td>
<td>30</td>
<td>30</td>
<td>22.5</td>
<td>2xFO</td>
<td>181</td>
<td>8.32.3030A</td>
</tr>
<tr>
<td>Joint-Type A-3030-RH</td>
<td>30</td>
<td>30</td>
<td>22.5</td>
<td>2xFO</td>
<td>211</td>
<td>8.32.3030A.RH</td>
</tr>
<tr>
<td>Joint-Type A-4040</td>
<td>40</td>
<td>40</td>
<td>30</td>
<td>2xFX</td>
<td>388</td>
<td>8.32.4040A</td>
</tr>
<tr>
<td>Joint-Type A-4040-RH</td>
<td>40</td>
<td>40</td>
<td>30</td>
<td>2xFX</td>
<td>447</td>
<td>8.32.4040A.RH</td>
</tr>
<tr>
<td>Joint-Type B-3030</td>
<td>30</td>
<td>30</td>
<td>22.5</td>
<td>1xFS+1xFO</td>
<td>167</td>
<td>8.32.3030B</td>
</tr>
<tr>
<td>Joint-Type B-3030-RH</td>
<td>30</td>
<td>30</td>
<td>22.5</td>
<td>1xFS+1xFO</td>
<td>206</td>
<td>8.32.3030B.RH</td>
</tr>
<tr>
<td>Joint-Type B-4040</td>
<td>40</td>
<td>40</td>
<td>30</td>
<td>1xFU+1xFX</td>
<td>366</td>
<td>8.32.4040B</td>
</tr>
<tr>
<td>Joint-Type B-4040-RH</td>
<td>40</td>
<td>40</td>
<td>30</td>
<td>1xFU+1xFX</td>
<td>437</td>
<td>8.32.4040B.RH</td>
</tr>
<tr>
<td>Joint-Type C-3030</td>
<td>30</td>
<td>30</td>
<td>22.5</td>
<td>1xFS+1xFO</td>
<td>167</td>
<td>8.32.3030C</td>
</tr>
<tr>
<td>Joint-Type C-3030-RH</td>
<td>30</td>
<td>30</td>
<td>22.5</td>
<td>1xFS+1xFO</td>
<td>206</td>
<td>8.32.3030C.RH</td>
</tr>
<tr>
<td>Joint-Type C-4040</td>
<td>40</td>
<td>40</td>
<td>30</td>
<td>1xFU+1xFX</td>
<td>366</td>
<td>8.32.4040C</td>
</tr>
<tr>
<td>Joint-Type C-4040-RH</td>
<td>40</td>
<td>40</td>
<td>30</td>
<td>1xFU+1xFX</td>
<td>437</td>
<td>8.32.4040C.RH</td>
</tr>
</tbody>
</table>
Additional Accessories

Frame Joint

When the profile frame is with big span and there is slight bending caused by self load, the frame joint shall be used with special connectors for cross connection to enhance the stability of the frame.

Material: aluminium, anodized (cutting end not anodized).

End cap: black ABS

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>End Cap</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG40-4040 40系列-4040</td>
<td>1xCB</td>
<td>2</td>
<td>95</td>
<td>8.41.4040</td>
</tr>
<tr>
<td>PG40-4080 40系列-4080</td>
<td>2xCB</td>
<td></td>
<td>192</td>
<td>8.41.4080</td>
</tr>
</tbody>
</table>

Note: Anchor Connector to be ordered separately refer to P. 3-03 for more detail.

备注： 锚式连接销需单独订购, 详情请参照P. 3-03。
Additional Accessories

Mounting Adaptor for Roller-A

Special connector for quick roller installation.

Material: Adaptor-steel, zinc plated  End cap: black PA6

Mounting Adaptor for Roller-B

Material: Adaptor-steel, zinc plated  End cap: black PA6

<table>
<thead>
<tr>
<th>Description</th>
<th>Fastening Set</th>
<th>End Cap</th>
<th>Mass (g)</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounting Adaptor for Roller-A-Left+Right (pcs)</td>
<td>2xFQ</td>
<td>2</td>
<td>200</td>
<td>8.51.01A</td>
</tr>
<tr>
<td>Mounting Adaptor for Roller-A-Left+Right (set)</td>
<td>2xD</td>
<td>2</td>
<td>242</td>
<td>8.51.01A.ST</td>
</tr>
<tr>
<td>Mounting Adaptor for Roller-B-Left+Right (pcs)</td>
<td>2xFQ</td>
<td>2</td>
<td>194</td>
<td>8.51.01B</td>
</tr>
<tr>
<td>Mounting Adaptor for Roller-B-Left+Right (set)</td>
<td>2xFQ</td>
<td>2</td>
<td>226</td>
<td>8.51.01B.ST</td>
</tr>
</tbody>
</table>

Left End Cap (左端盖)

Right End Cap (右端盖)
### Additional Accessories

**Telescope Unit**  
伸缩装置

Telescope Unit are composed of strut profile, telescopic profile and connecting elements, the stroke of telescope unit is 50-500mm.  
伸缩装置是由基础框架型材、伸缩杆型材和连接件组成，伸缩行程范围50-500mm。

#### Telescope Unit-3030  
伸缩装置-3030

![Telescope Unit-3030 Diagram](image)

<table>
<thead>
<tr>
<th>Description</th>
<th>Stroke (S mm)</th>
<th>L min. (mm)</th>
<th>Mass (kg)</th>
<th>Part No.</th>
</tr>
</thead>
</table>
| Telescope Unit-3030 (set)  
伸缩装置-3030 (成套供货) | 50 ≤ S ≤ 200 | 369 | 1.23 | 8.61.40.3030.01.ST |
| | 200 < S ≤ 350 | 519 | 1.43 | 8.61.40.3030.02.ST |
| | 350 ≤ S ≤ 500 | 669 | 1.94 | 8.61.40.3030.03.ST |
| Telescope Unit-3040 (set)  
伸缩装置-3040 (成套供货) | 50 ≤ S ≤ 200 | 377 | 1.42 | 8.61.40.3040.01.ST |
| | 200 < S ≤ 350 | 527 | 1.62 | 8.61.40.3040.02.ST |
| | 350 ≤ S ≤ 500 | 677 | 2.13 | 8.61.40.3040.03.ST |

Note: Offer per set. If there is any special requirement on the stroke, please contact with us.  
备注：伸缩装置成套供货，如对行程有特殊要求请与我司联系。
Profile Machining Code
型材加工编码
Profile machining code 型材加工编码

Bore sort 加工种类

<table>
<thead>
<tr>
<th>Machining name</th>
<th>Application</th>
<th>Code meanings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dowel bore</td>
<td>Anchor Connector</td>
<td>D (Dowel bore/销孔)</td>
</tr>
<tr>
<td>Inner connector bore</td>
<td>Butt Connector</td>
<td>I (Inner connector bore/内置连接件孔)</td>
</tr>
<tr>
<td>Screw thread bore</td>
<td>Screw Connector</td>
<td>S (Screw thread bore/螺纹孔)</td>
</tr>
<tr>
<td>Cross bore</td>
<td>Screw Connector/End Connector</td>
<td>C (Cross bore/工艺孔)</td>
</tr>
<tr>
<td>Angle cut T</td>
<td>Anchor Connector</td>
<td>(A B C D)T (Angle cut/角度切割)</td>
</tr>
</tbody>
</table>

Notes
- Specify machining code when ordering.
- Refer to drawings for non-standard machining.

注释
- 订购时需注明加工编码
- 如需非标加工请附详细图纸

<table>
<thead>
<tr>
<th>Order Example:</th>
<th>L≤5800mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.11.40.040040.04H-200-LSP/RBT45-RDV</td>
<td>30 45 60 (angle/度)</td>
</tr>
</tbody>
</table>
### Dowel bore 针孔

<table>
<thead>
<tr>
<th>Classification</th>
<th>Dowel bore 针孔</th>
<th>Code 编码</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Left 左</td>
<td>Right 右</td>
</tr>
<tr>
<td></td>
<td>Horizontal 水平</td>
<td>Vertical 垂直</td>
</tr>
<tr>
<td>Square 正方形</td>
<td>LDH</td>
<td>LDV</td>
</tr>
<tr>
<td>Rectangle 长方形</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arc 弧形</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example A: 1.11.40.040040.04H-200-LDH/RDH

Example B: 1.11.40.040080.08H-200-LDV/RDH
### Modular Assembly Technology

**Profile Machining Code**

#### Inner connector bore 内置连接件孔

<table>
<thead>
<tr>
<th>Classification 分类</th>
<th>Code 编码</th>
<th>Inner connector bore 内置连接件孔</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>LIH</strong></td>
<td><strong>LIV</strong></td>
</tr>
<tr>
<td><strong>Horizontal</strong></td>
<td></td>
<td><strong>RIH</strong></td>
</tr>
<tr>
<td><strong>Vertical</strong></td>
<td></td>
<td><strong>RIV</strong></td>
</tr>
</tbody>
</table>

#### Classification 内置连接件孔分类

- **Square 正方形**
- **Rectangle 长方形**
- **Arc 弧形**

**Example A:** 1. 11. 40.040040.04H-200-LIH/RIH

**Example B:** 1. 11. 40.040080.08H-200-LIV/RIV
### Screw thread bore 螺纹孔

<table>
<thead>
<tr>
<th>Classification 分类</th>
<th>Screw thread bore 螺纹孔</th>
<th>Left</th>
<th>Right</th>
<th>Left + Right</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code 编码</td>
<td>LSP</td>
<td>LMP</td>
<td>RSP</td>
<td>RMP</td>
</tr>
<tr>
<td>Square 正方形</td>
<td><img src="image1" alt="Image" /></td>
<td><img src="image2" alt="Image" /></td>
<td><img src="image3" alt="Image" /></td>
<td><img src="image4" alt="Image" /></td>
</tr>
<tr>
<td>Rectangle 长方形</td>
<td><img src="image7" alt="Image" /></td>
<td><img src="image8" alt="Image" /></td>
<td><img src="image9" alt="Image" /></td>
<td><img src="image10" alt="Image" /></td>
</tr>
<tr>
<td>Arc 弧形</td>
<td><img src="image13" alt="Image" /></td>
<td><img src="image14" alt="Image" /></td>
<td><img src="image15" alt="Image" /></td>
<td><img src="image16" alt="Image" /></td>
</tr>
</tbody>
</table>

- **Standard depth: 22mm**
  - Standard 螺纹有效深度: 22mm

- **Example A:**
  1. 11.40.040040.04H-200-LSP

- **Example B:**
  1. 11.40.040080.08H-200-WSP

- **Example C:**
  1. 11.40.040040.04H-200-LMP
<table>
<thead>
<tr>
<th>Classification</th>
<th>Cross bore Code</th>
<th>Left</th>
<th>Right</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Horizontal</td>
<td>Vertical</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LCH</td>
<td>LCV</td>
</tr>
<tr>
<td>Square</td>
<td></td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
</tr>
<tr>
<td>Rectangle</td>
<td></td>
<td><img src="image7.png" alt="Image" /></td>
<td><img src="image8.png" alt="Image" /></td>
</tr>
</tbody>
</table>

Specified crossing bore code:

- **L**: Left side
- **C**: Cross bore
- **R**: Right side
- **A**: Any bore of the location
- **B**: Any bore of the location
- **L**: L mm from the left
- **H/V/P**: Horizontal/Vertical/Perpendicular

Example: 1. 11. 40.040040.04H-400-LCH/RCH-AH120-BP230
## Modular Assembly Technology

### Classification Profile Machining Code

<table>
<thead>
<tr>
<th>Classification</th>
<th>Angle cut 角度切割</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Left 左</td>
</tr>
<tr>
<td></td>
<td>Right 右</td>
</tr>
<tr>
<td>Code 编码</td>
<td>LCT(LAT,LBT,LDT)</td>
</tr>
<tr>
<td></td>
<td>RCT(RAT,RBT,RDT)</td>
</tr>
</tbody>
</table>

#### Square 正方形

- LCT(LAT,LBT,LDT)
- RCT(RAT,RBT,RDT)

#### Rectangle 长方形

- LCT(LAT,LBT,LDT)
- RCT(RAT,RBT,RDT)

---

Specified cutting angle code 角度切割编码详细说明

- \( \alpha=30°/45°/60° \)
- T=angle cut
- □=A/B/C/D
- L=left

Example: 11.40.040060.06H-300-LDT45/RDT45

---

[Diagram of angle cuts with symbols and descriptions]
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