



Machine Guard System



Machine Guard System
机械防护系统



专业 专注 精益求精

Profession Devotion Keep Improving

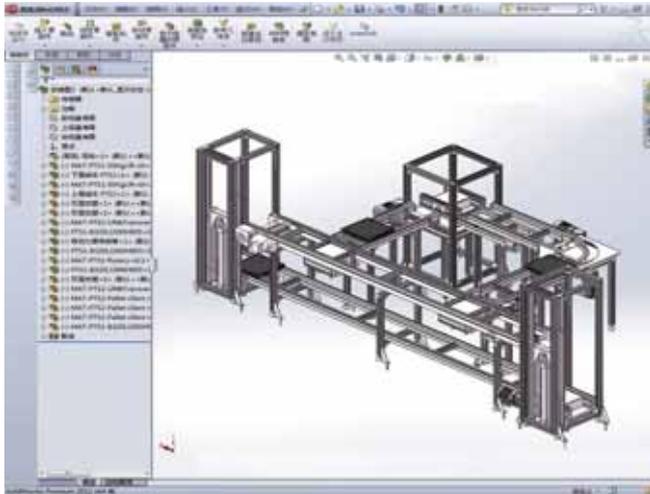
经验丰富的工程师队伍；
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What's inside...

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
- 完整的产品信息
- CAD图库
- 装配简单便捷
- 型材变形量的计算
- 图纸的转换
- 规划简单快速



On-time, rapid delivery 准时，快速交货

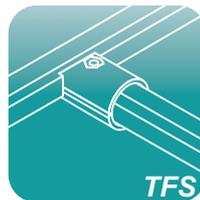
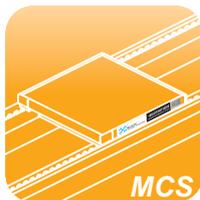
- Availability of all components
- Pre-assembled modules, complete frames
- Prompt shipping and exemplary delivery reliability
- 配件充足
- 模块化组装
- 及时交付产品



Modular Assembly System---
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安全、快捷、可靠。

全方位有效地节省工时和成本。

- 加工时间短
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- 高度灵活性
- 可重复使用
- 全球销售

模块化组装系统
Modular Assembly System





Modular Conveyor System
模块化输送系统



Stair and Platform System
工业踏步及走台系统



Tubular Framing System
线棒柔性系统



Machine Guard System
机械防护系统





Protective barriers for machine 机器设备外围防护



Protective barriers for robot 机器人外围防护



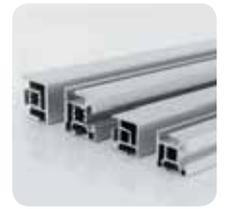
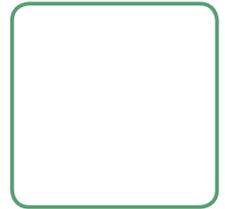
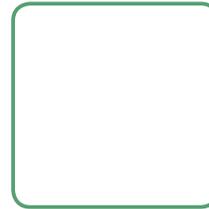
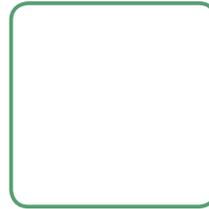
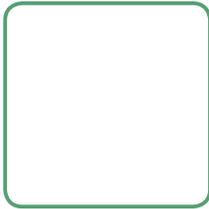
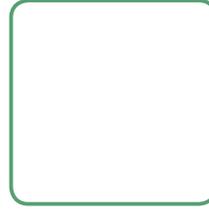
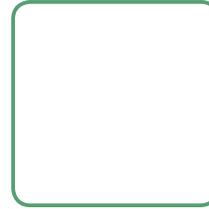
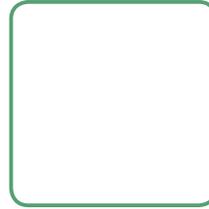
Protective barriers for robot 机器人外围防护



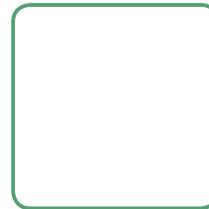
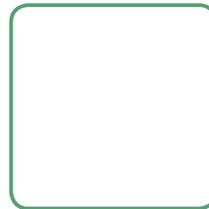
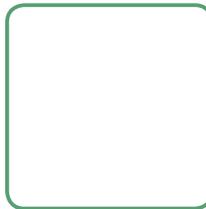
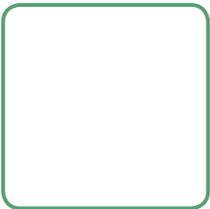
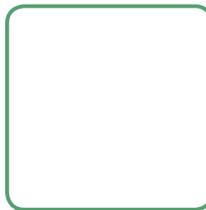
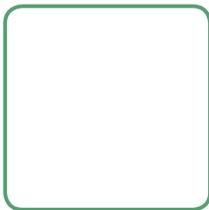
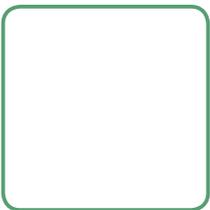
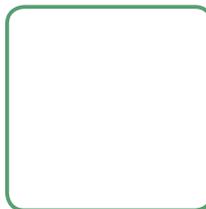
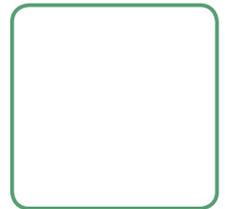
Protective barriers for machine 机器设备外围防护



Protective barriers for car assembly line 汽车生产线外围防护



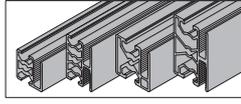
机械防护系统
Machine Guard System



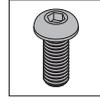
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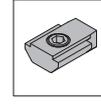
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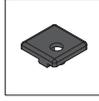
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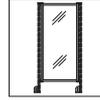
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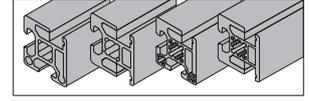
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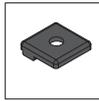
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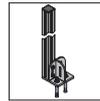
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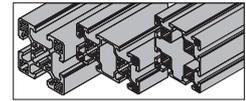
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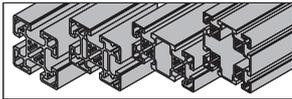
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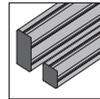
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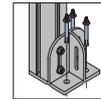
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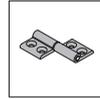
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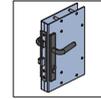
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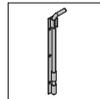
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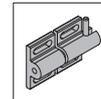
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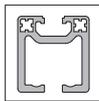
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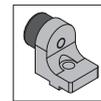
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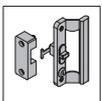
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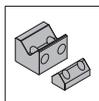
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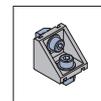
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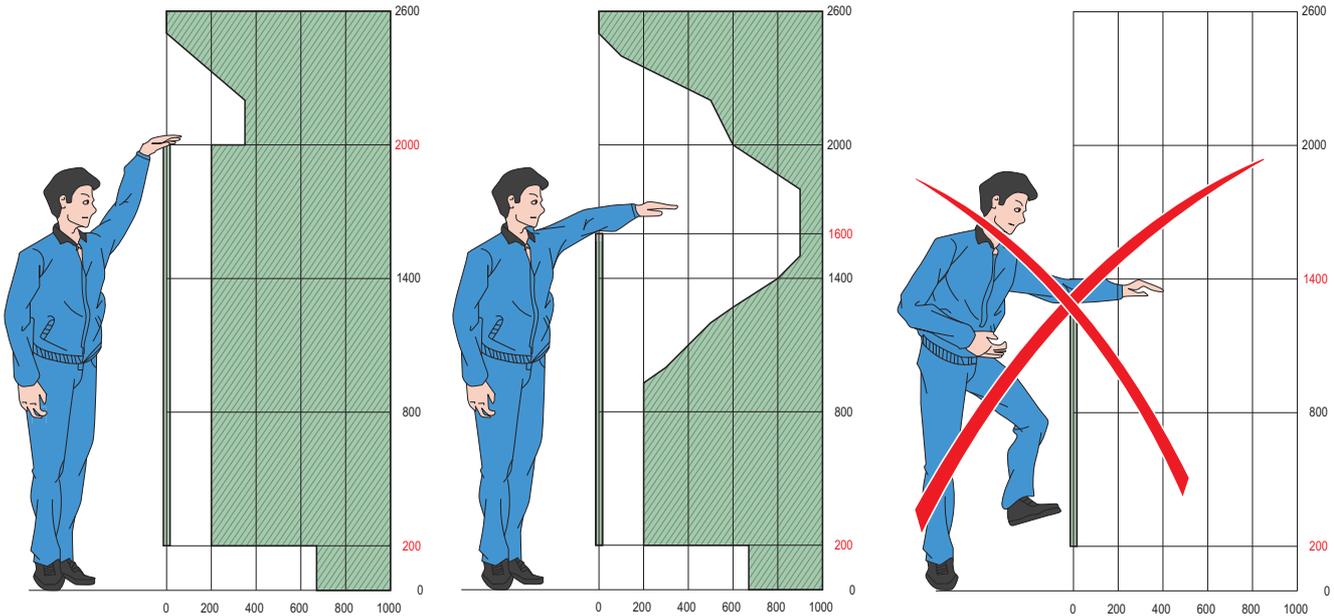


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Safety Distance
安全防护区域

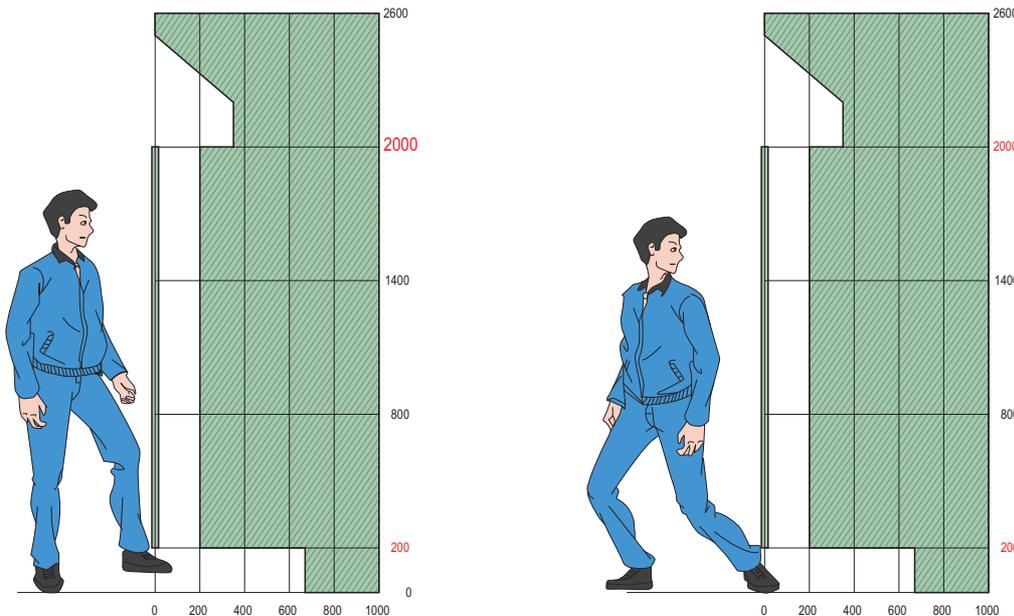
Machine guard system offers protection against parts that fly out, leaking liquid materials or similar things. The safety distances are dependent on the machine guard height. As figure indicated (safety area is marked in green shadow): Safely distance should be 200mm away from the machine guard. When the height of machine guard is 2000mm, there is still a small part of distance around 350mm from the top cannot get security protection, and it cannot guarantee sufficient safety if the height is less than 1400mm.

机械防护系统用于机械设备运行时对人员可能造成危害危险的有效保护。机械防护系统所能防护的区域取决于防护单元的高度。如图所示(绿色阴影部分为安全防护区域): 防护单元以外200mm为安全防护区域。当防护单元高度为2000mm时, 其顶端仍有一小部分距离约为350mm的区域无法得到安全防护。当防护单元高度小于1400mm时, 将无法起到安全防护的作用。



The height from the floor is 200mm. As figure indicated (safety area is marked in green shadow): The distance of 650mm in the foot area cannot get sufficient safety protection.

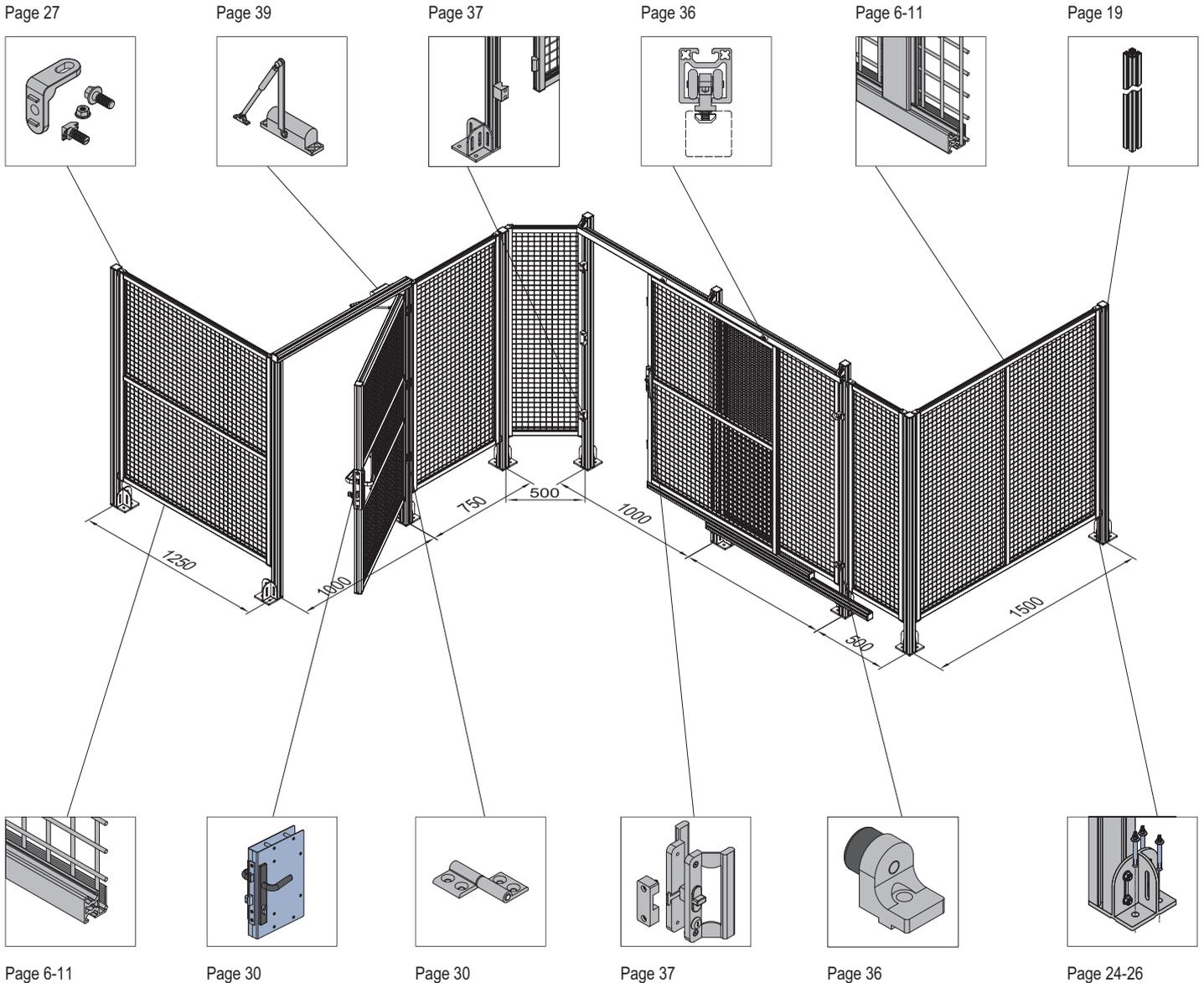
防护单元距离地面的高度为200mm。如图所示(绿色阴影部分为安全防护区域): 防护单元底部650mm的距离内无法得到安全防护。



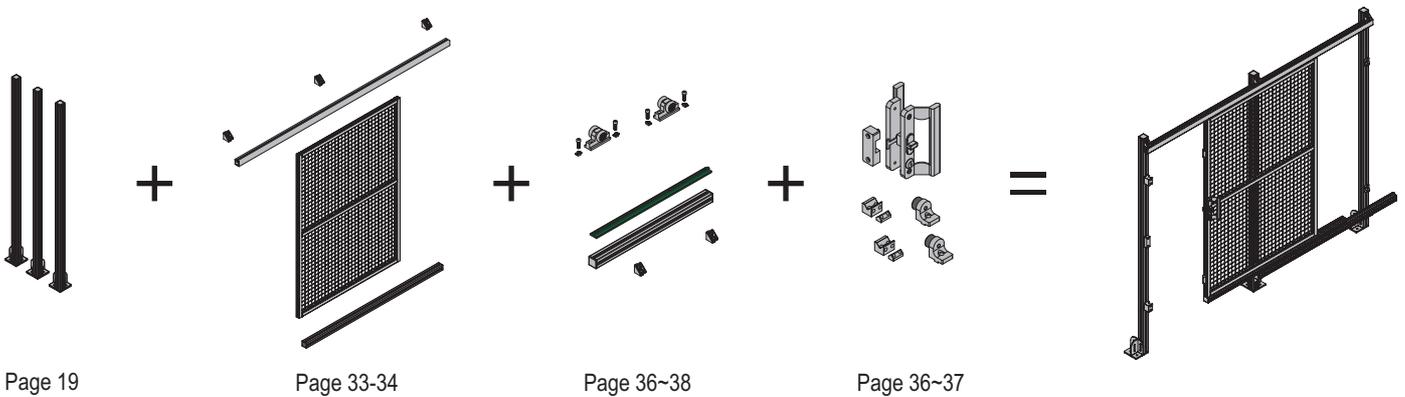
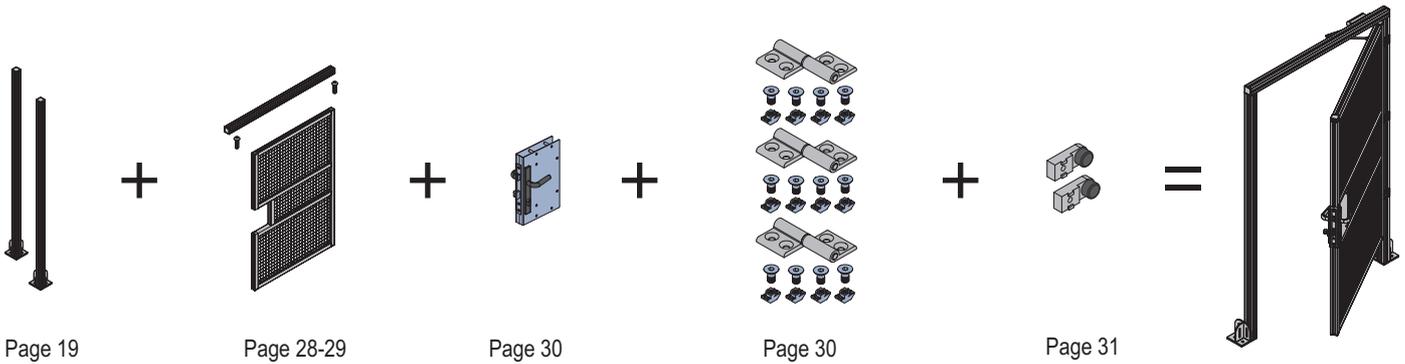
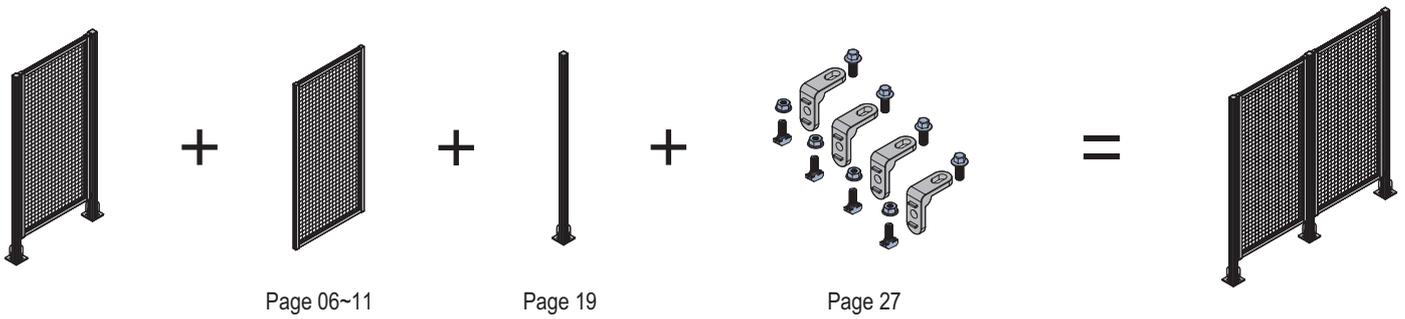
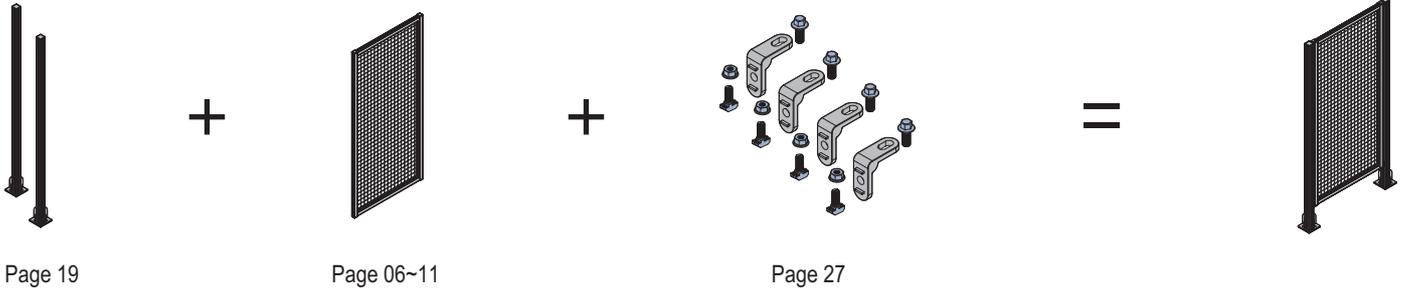
Machine Guard System
机械防护系统

The machine guard system is a separate system which has been designed to meet the different kinds of demand from customers. The outside appearance gives the whole set a beautiful look. The adjustment of the fastening style increases the reliability of the products and allow the installation of meshes, PMMA panels, aluminum composite panels, different panel-like and so on. Installing net and panel uses different profiles, for more details please refer to the profile sections.

机械防护系统是为了满足客户各种不同需求而设计的独立系统，外侧平面设计使整体看起来更加美观，可调节的紧固形式使产品更加灵活方便，可安装格栅网，亚克力板，铝塑板等不同的板状物。安装网及板所使用的型材不同，具体使用方法请参照型材截面部份。



Framework of the Machine Guard System
机械防护框架组成简介

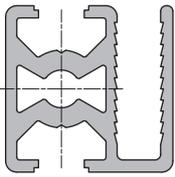


Selection Referenle of Stand Unit
防护单元选型参考

Standard unit is composed of either the protective grille profile or clamping profile. Protective grille profile could insert not only the meshes, but also the panels, and the spring clamping nut will be used if inserting panels (the recommended distance of nut is 300mm). Clamping profiles only could insert the panels, and machining will be needed on the profiles to fasten the panels in appropriate positions (the recommended distance of machining is 300mm). The specifications are compared as below.

防护单元以防护网型材和防护罩型材为框架型材。防护网型材既可安装编织网、焊接网又可安装有机玻璃、亚克力等板状物。安装板状物时需配合夹板弹片使用(建议间距为300mm)。防护罩型材只能安装有机玻璃、亚克力等板状物，安装时需要在型材上加工顶丝孔(建议间距300mm)。

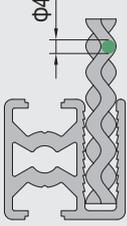
Protective Grille Profile
防护网型材



- Efficiency
安装指数: ★★★★★
- Cost
经济指数: ★★★★★
- leakproofness
密封指数: ★★★
- Flexibility
灵活指数: ★★★★★



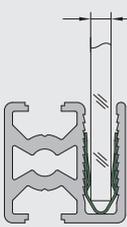
01



Protective Grille Profile Inserting Meshe
防护网型材夹网
40x40mm, Φ4 woven mesh
40x40mm, Φ4 编织网

Eg: PN30.14000425.STA.01

02

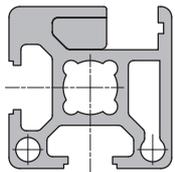


Protective Grille Profile Inserting Panel
防护网型材夹板
3-5mm transparent PMMA panel
板厚度范围3-5mm

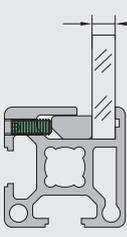
Spring Clamping Nut: Recommended distance is 300mm
夹板弹片: 建议弹片间距300mm

Eg: PN30.14000425.STA.02

Clamping Profile
防护罩型材



- Efficiency
安装指数: ★★★
- Cost
经济指数: ★★★
- leakproofness
密封指数: ★★★★★
- Flexibility
灵活指数: ★★★

Protective Grille Profile Inserting Panel
防护罩型材夹板
1.5-9mm transparent PMMA panel
板厚度范围1.5-9mm

Top thread: Recommended distance is 300mm
顶丝: 建议顶丝间距300mm

Eg: PP30.14000425.STA

订购编号解析 / Item Number Reference:



* Using protective grille profile insert panel is more economic and quick. However the leakproofness is not as good as the clamping profile, and the thickness of panel also limited to 3 to 5mm. The panel thickness of standard units are all 4mm, if there is no special request on panel thickness, the protective grille profile is recommended.

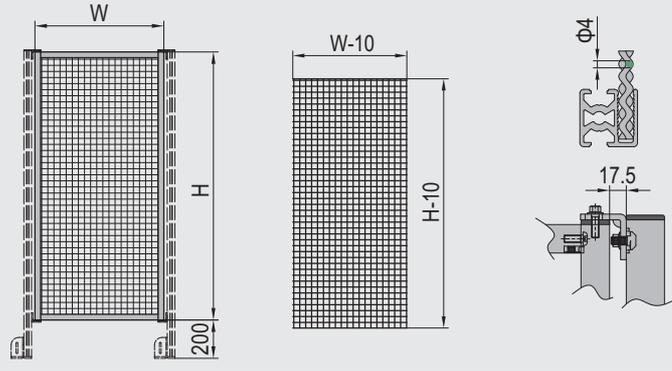
防护网型材夹板比防护罩型材更经济便捷，但密封性不如防护罩型材且板厚度可选范围受局限。标准防护单元板厚度均为4mm，如需要特殊板厚建议选用防护罩型材。

Protective Grille Unit
防护网单元

PG30 Type A: Range of Application: $1000 \leq H \leq 2000$ $500 \leq W \leq 1000$
30系列 A型: 适用范围: $1000 \leq H \leq 2000$ $500 \leq W \leq 1000$

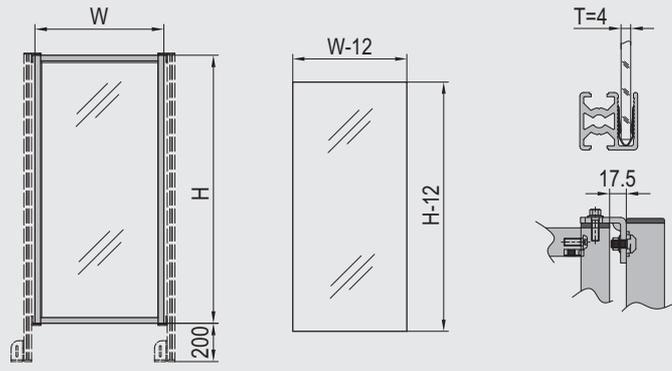
40x40 woven mesh $\varnothing 4$ diameter
编织网40x40 丝径 $\varnothing 4$

01



4mm Transparent PMMA Panel ($3\text{mm} \leq T \leq 5\text{mm}$)
4mm 透明亚克力板 ($3\text{mm} \leq T \leq 5\text{mm}$)

02



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Protective Grille Unit PG30-Type A-01 防护网单元 30系列-A型-01	1400	425	PN30.14000425.STA.01
		675	PN30.14000675.STA.01
		925	PN30.14000925.STA.01
	1800	425	PN30.18000425.STA.01
		675	PN30.18000675.STA.01
		925	PN30.18000925.STA.01
Protective Grille Unit PG30-Type A-02 防护网单元 30系列-A型-02	1400	425	PN30.14000425.STA.02
		675	PN30.14000675.STA.02
		925	PN30.14000925.STA.02
	1800	425	PN30.18000425.STA.02
		675	PN30.18000675.STA.02
		925	PN30.18000925.STA.02

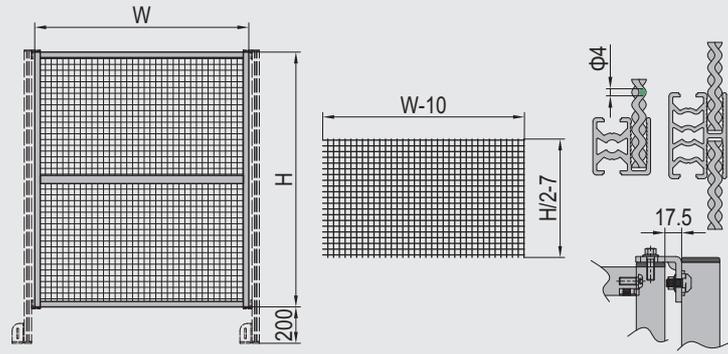
- ✳ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard.
- ✳ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计。
- ✳ Standard unit excluding strut profile and connecting elements.
- ✳ 标准单元不含立柱单元及连接组件。
- ✳ 40x40 light profile is recommended for strut profile, refer to page 20.
- ✳ 立柱建议选用40x40轻型型材,参照第20页。

Protective Grille Unit
防护网单元

PG30 Type B: Range of Application: $1000 \leq H \leq 2000$ $1000 < W \leq 1250$
30系列 B型:适用范围: $1000 \leq H \leq 2000$ $1000 < W \leq 1250$

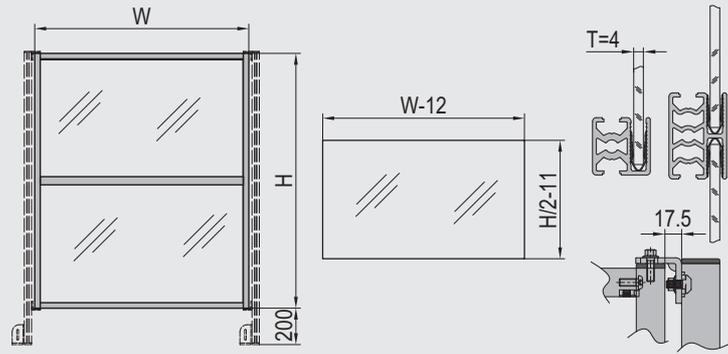
40x40 woven mesh $\varnothing 4$ diameter
编织网40x40 丝径 $\varnothing 4$

01



3-5mm Transparent PMMA Panel ($3\text{mm} \leq T \leq 5\text{mm}$)
3-5mm 透明亚克力板 ($3\text{mm} \leq T \leq 5\text{mm}$)

02



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Protective Grille Unit PG30-Type B-01 防护网单元 30系列-B型-01	1400	1175	PN30.14001175.STB.01
	1800		PN30.18001175.STB.01
Protective Grille Unit PG30-Type B-02 防护网单元 30系列-B型-02	1400		PN30.14001175.STB.02
	1800		PN30.18001175.STB.02

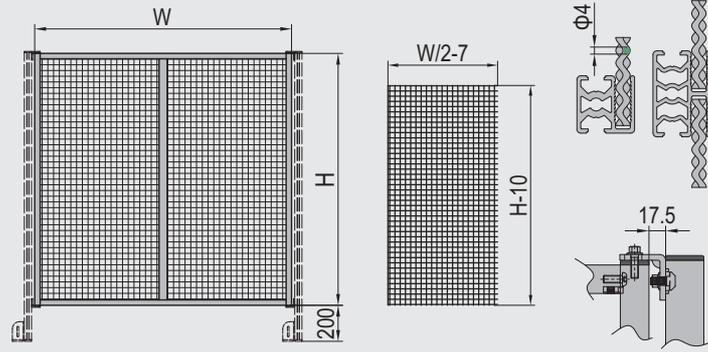
- ✳ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard.
- ✳ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计。
- ✳ Standard unit excluding strut profile and connecting elements.
- ✳ 标准单元不含立柱单元及连接组件。
- ✳ 40x40 light profile is recommended for strut profile, refer to page 20.
- ✳ 立柱建议选用40x40轻型型材,参照第20页。

Protective Grille Unit
 防护网单元

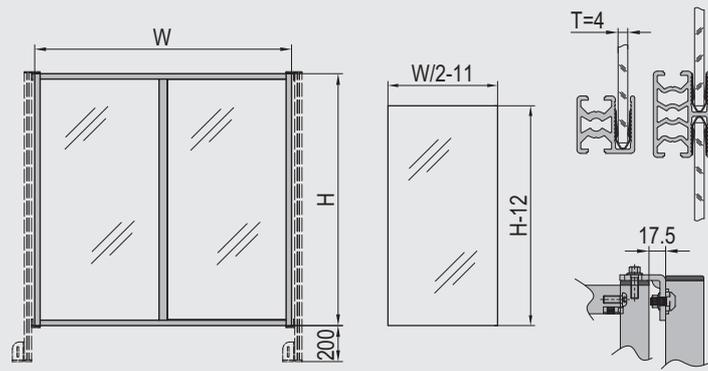
 PG30 Type C: Range of Application: $1000 \leq H \leq 2000$ $1250 < W \leq 1500$
 30系列 C型:适用范围: $1000 \leq H \leq 2000$ $1250 < W \leq 1500$

 40x40 woven mesh $\varnothing 4$ diameter
 编织网40x40 丝径 $\varnothing 4$

01


 3-5mm Transparent PMMA Panel ($3\text{mm} \leq T \leq 5\text{mm}$)
 3-5mm 透明亚克力板 ($3\text{mm} \leq T \leq 5\text{mm}$)

02



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Protective Grille Unit PG30-Type C-01 防护网单元 30系列-C型-01	1400	1425	PN30.14001425.STC.01
	1800		PN30.18001425.STC.01
Protective Grille Unit PG30-Type C-02 防护网单元 30系列-C型-02	1400		PN30.14001425.STC.02
	1800		PN30.18001425.STC.02

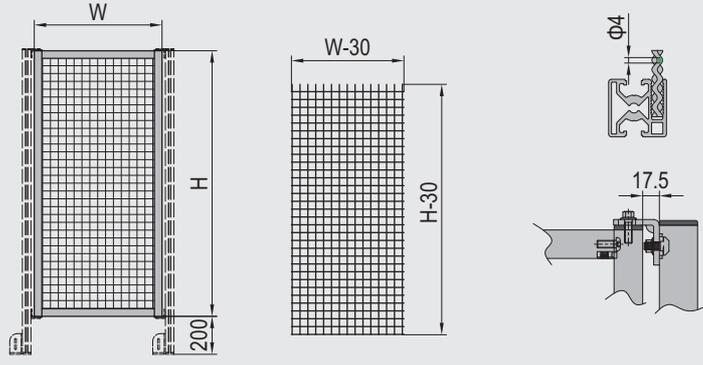
- ✘ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard.
- ✘ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计。
- ✘ Standard unit excluding strut profile and connecting elements.
- ✘ 标准单元不含立柱单元及连接组件。
- ✘ 40x40 light profile is recommended for strut profile, refer to page 20.
- ✘ 立柱建议选用40x40轻型型材,参照第20页。

Protective Grille Unit
 防护网单元

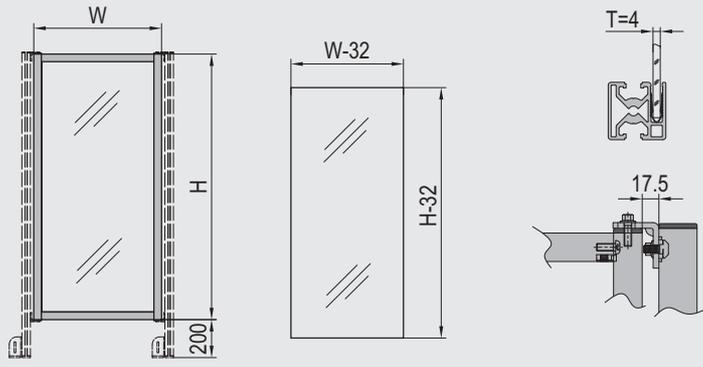
 PG40 Type A: Range of Application: $1000 \leq H \leq 2000$ $500 \leq W \leq 1000$
 40系列 A型: 适用范围: $1000 \leq H \leq 2000$ $500 \leq W \leq 1000$

 40x40 woven mesh $\varnothing 4$ diameter
 编织网40x40 丝径 $\varnothing 4$

01


 3-5mm Transparent PMMA Panel ($3\text{mm} \leq T \leq 5\text{mm}$)
 3-5mm 透明亚克力板 ($3\text{mm} \leq T \leq 5\text{mm}$)

02



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Protective Grille Unit PG40-Type A-01 防护网单元 40系列-A型-01	1400	420	PN40.14000420.STA.01
		670	PN40.14000670.STA.01
		920	PN40.14000920.STA.01
	1800	420	PN40.18000420.STA.01
		670	PN40.18000670.STA.01
		920	PN40.18000920.STA.01
Protective Grille Unit PG40-Type A-02 防护网单元 40系列-A型-02	1400	420	PN40.14000420.STA.02
		670	PN40.14000670.STA.02
		920	PN40.14000920.STA.02
	1800	420	PN40.18000420.STA.02
		670	PN40.18000670.STA.02
		920	PN40.18000920.STA.02

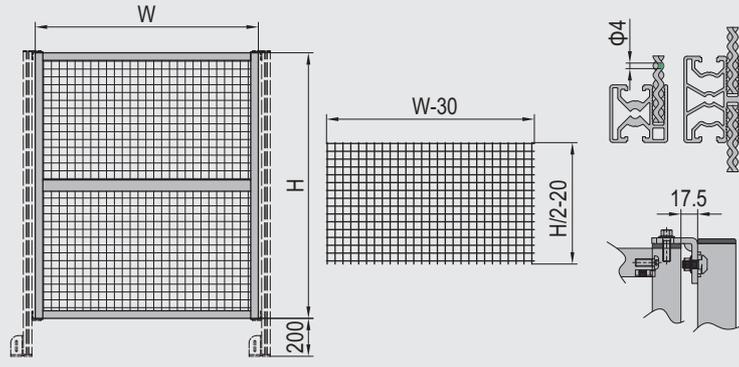
- ✘ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard.
- ✘ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计。
- ✘ Standard unit excluding strut profile and connecting elements.
- ✘ 标准单元不含立柱单元及连接组件。
- ✘ 45x45 light profile is recommended for strut profile, refer to page 21.
- ✘ 立柱建议选用45x45轻型型材,参照第21页。

Protective Grille Unit
 防护网单元

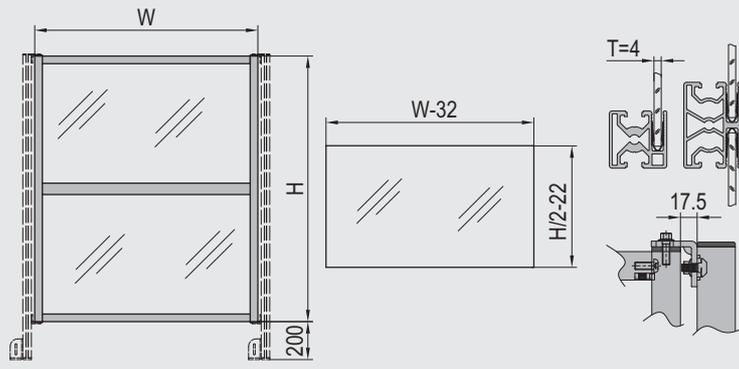
 PG40 Type B: Range of Application: $1000 \leq H \leq 2000$ $1000 < W \leq 1250$
 40系列 B型: 适用范围: $1000 \leq H \leq 2000$ $1000 < W \leq 1250$

 40x40 woven mesh $\varnothing 4$ diameter
 编织网40x40 丝径 $\varnothing 4$

01


 3-5mm Transparent PMMA Panel ($3\text{mm} \leq T \leq 5\text{mm}$)
 3-5mm 透明亚克力板 ($3\text{mm} \leq T \leq 5\text{mm}$)

02



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Protective Grille Unit PG40-Type B-01 防护网单元 40系列-B型-01	1400	1170	PN40.14001170.STB.01
	1800		PN40.18001170.STB.01
Protective Grille Unit PG40-Type B-02 防护网单元 40系列-B型-02	1400		PN40.14001170.STB.02
	1800		PN40.18001170.STB.02

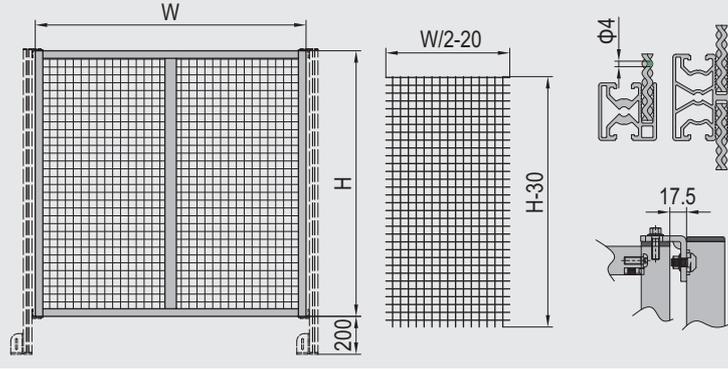
- ✳ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard.
- ✳ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计。
- ✳ Standard unit excluding strut profile and connecting elements.
- ✳ 标准单元不含立柱单元及连接组件。
- ✳ 45x45 light profile is recommended for strut profile, refer to page 21.
- ✳ 立柱建议选用45x45轻型型材,参照第21页。

Protective Grille Unit
 防护网单元

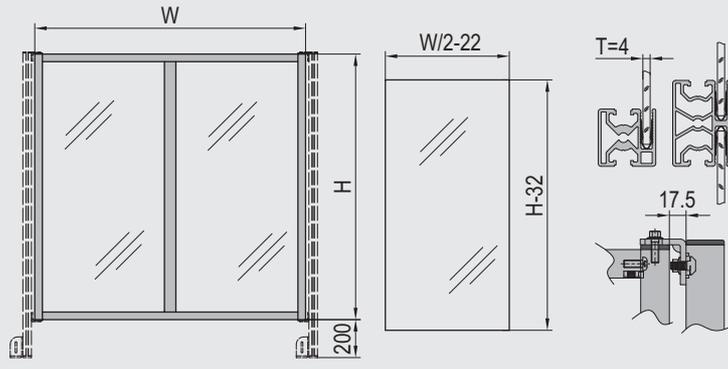
 PG40 Type C: Range of Application: $1000 \leq H \leq 2000$ $1250 < W \leq 1500$
 40系列 C型: 适用范围: $1000 \leq H \leq 2000$ $1250 < W \leq 1500$

 40x40 woven mesh $\phi 4$ diameter
 编织网40x40 丝径 $\phi 4$

01


 3-5mm Transparent PMMA Panel ($3\text{mm} \leq T \leq 5\text{mm}$)
 3-5mm 透明亚克力板 ($3\text{mm} \leq T \leq 5\text{mm}$)

02



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Protective Grille Unit PG40-Type C-01 防护网单元 40系列-C型-01	1400	1420	PN40.14001420.STC.01
	1800		PN40.18001420.STC.01
Protective Grille Unit PG40-Type C-02 防护网单元 40系列-C型-02	1400		PN40.14001420.STC.02
	1800		PN40.18001420.STC.02

✖ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard.

✖ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计。

✖ Standard unit excluding strut profile and connecting elements.

✖ 标准单元不含立柱单元及连接组件。

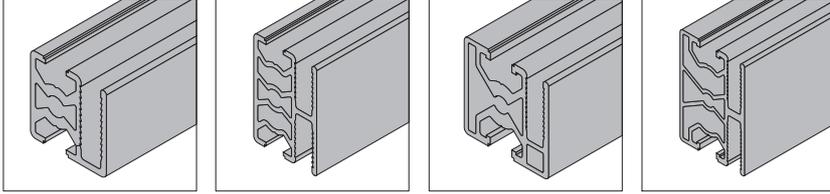
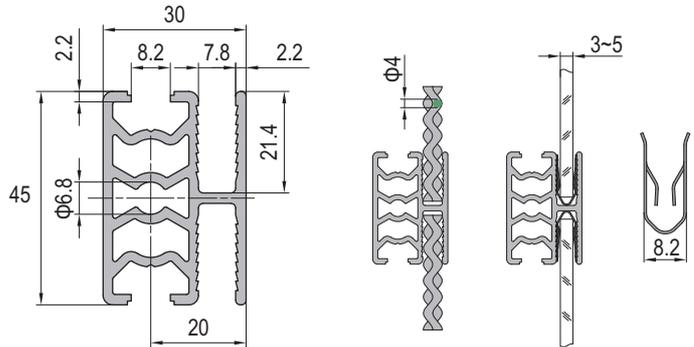
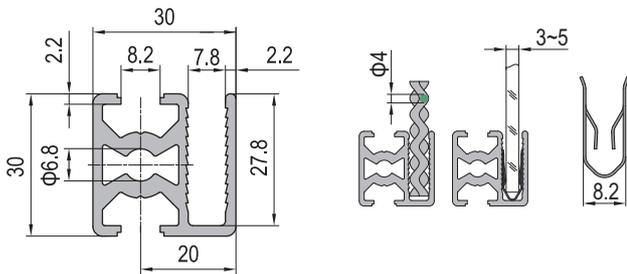
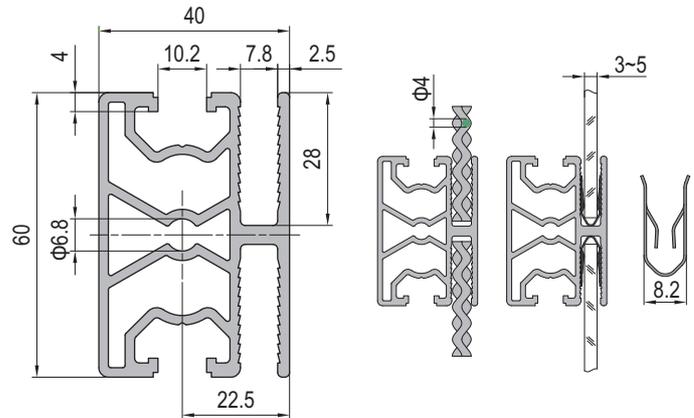
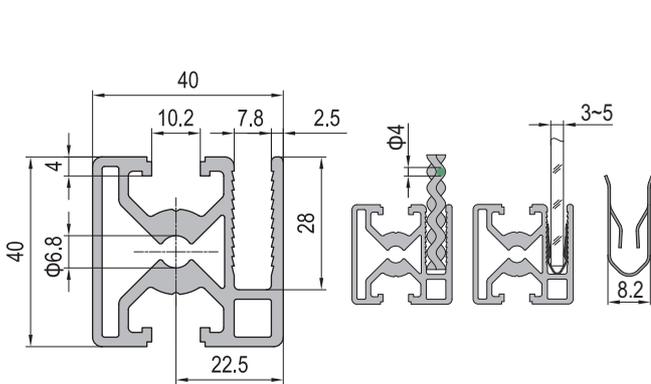
✖ 45x45 light profile is recommended for strut profile, refer to page 21.

✖ 立柱建议选用45x45轻型型材,参照第21页。

Protective Grille Profile
防护网型材

Protective grille profile could insert not only the meshes but also the panels, and the spring clamping nut will be used if inserting panels, the recommended distance of nut is 300mm (refer to page 14).

防护网型材既可安装编织网、焊接网又可安装有机玻璃、亚克力等板状物。安装板状物时需配合夹板弹片使用，建议间距为300mm (参照第14页)。


PG30 30x30 1 Grille slot
30系列30x30 1槽
PG30 30x45 2 Grille slots
30系列30x45 2槽

PG40 40x40 1 Grille slot
40系列40x40 1槽
PG40 40x60 2 Grille slots
40系列40x60 2槽


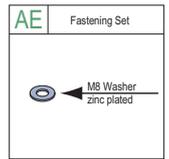
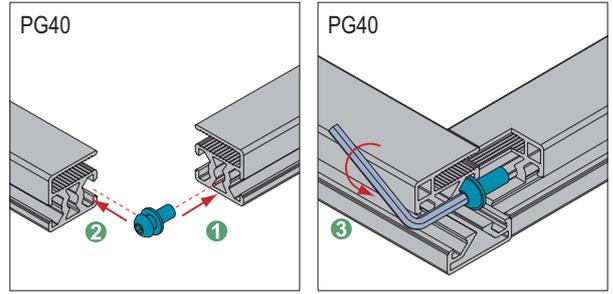
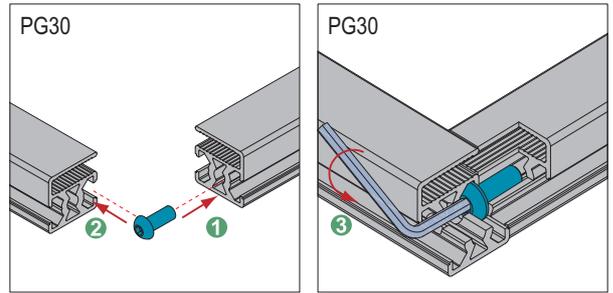
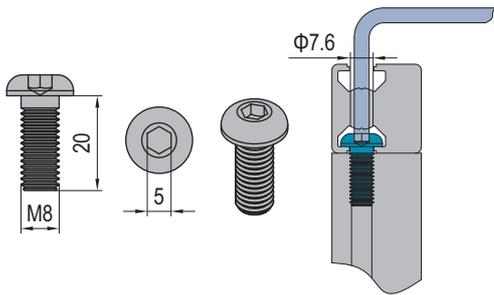
Description 描述	Moment of Inertia 惯性矩 Ix(cm ⁴)	Moment of Inertia 惯性矩 Iy(cm ⁴)	Moment of Resistance 弯矩 Wx(cm ³)	Moment of Resistance 弯矩 Wy(cm ³)	Mass 重量 (kg/m)	Part No. 订购编号
Protective Grille Profile PG30 30x30 1 Grille slot 防护网型材 30系列 30x30 1槽	3.37	2.47	2.2	1.6	0.94	1.22.30.030030.01
Protective Grille Profile PG30 30x45 2 Grille slots 防护网型材 30系列 30x45 2槽	7.22	4.67	4.81	2.08	1.24	1.22.30.030045.02
Protective Grille Profile PG40 40x40 1 Grille slot 防护网型材 40系列 40x40 1槽	9.85	8.05	4.93	4.03	1.6	1.22.40.040040.01
Protective Grille Profile PG40 40x60 2 Grille slots 防护网型材 40系列 40x60 2槽	23.25	13.57	11.63	4.52	2.0	1.22.40.040060.02

Connecting Elements for Protective Grille Unit
防护网单元连接组件

Bolt Connector
螺栓连接件

A simple and economic way to replace end connector with more connection reliability.
连接方式更简单便捷。

Material: zinc plated steel
材质：碳钢镀锌

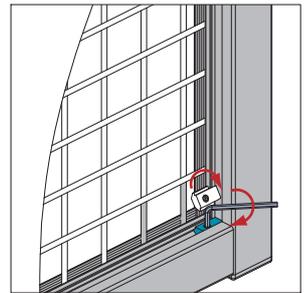
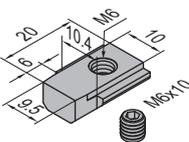
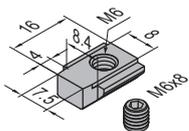


Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Bolt Connector-PG30 螺栓连接件-30系列		10	3.81.M8.20
Bolt Connector-PG40 螺栓连接件-40系列	AE	12	3.81.M8.20.ST

Anti-torsion Subsequent Nut
防扭后置螺母

Prevent torsion from connecting profiles with screw connectors
防扭后置螺母用于防止型材之间安装时或受外力时的扭转。

Material: nickel plated steel
材质：碳钢镀镍



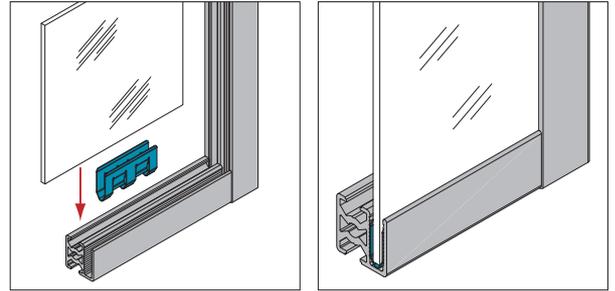
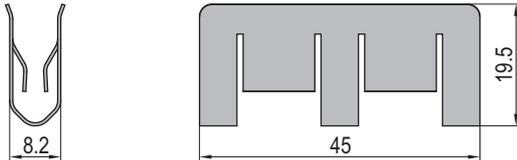
Description 描述	Mass 重量(g)	Part No. 订购编号
Anti-torsional Subsequent Nut-8 (with top thread) 8槽防扭后置螺母(含凹端顶丝)	10	2.32.08.M6
Anti-torsional Subsequent Nut-10 (with top thread) 10槽防扭后置螺母(含凹端顶丝)	15	2.32.10.M6

Connecting Elements for Protective Grille Unit 防护网单元连接组件

Spring Clamping Nut 夹板弹片

Spring clamping nut has to be used when inserting panels and recommend installing distance is 300mm.
安装板状物时需配合夹板弹片使用，建议夹板弹片安装距离为300mm。

Material: spring steel
材质：优质弹簧钢

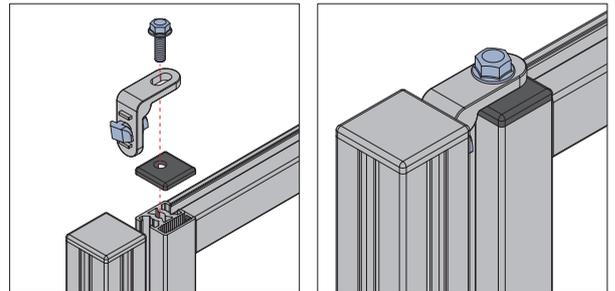
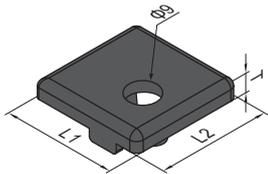


Description 描述	Mass 重量(g)	Part No. 订购编号
Spring Clamping Nut 夹板弹片	7	6.42.01

End Cap for Protective Grille Profile 防护网型材端盖

To prevent injury and improve end appearance, the bore hole enables assembly of profile and connectors.
端盖可以预防划伤，使型材更美观。中心孔用于实现型材与螺栓的连接。

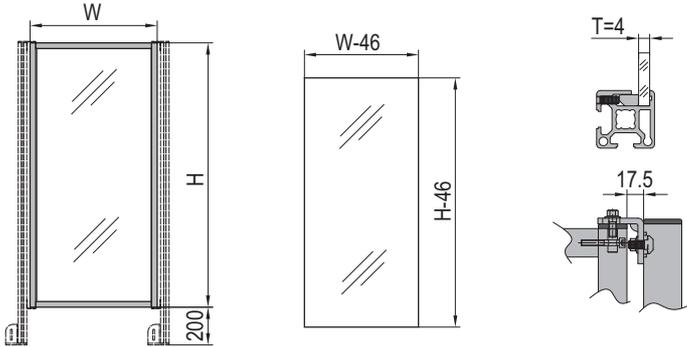
Material: Black ABS
材质：ABS 颜色：黑色



Description 描述	L1 (mm)	L2 (mm)	T (mm)	Mass 重量(g)	Part No. 订购编号
End Cap for Protective Grille Profile- PG30-3030 防护网型材端盖-30系列-3030	40	40	5	4	4.13.30.3030.SM
End Cap for Protective Grille Profile- PG40-4040 防护网型材端盖-40系列-4040				6	4.13.40.4040.SM

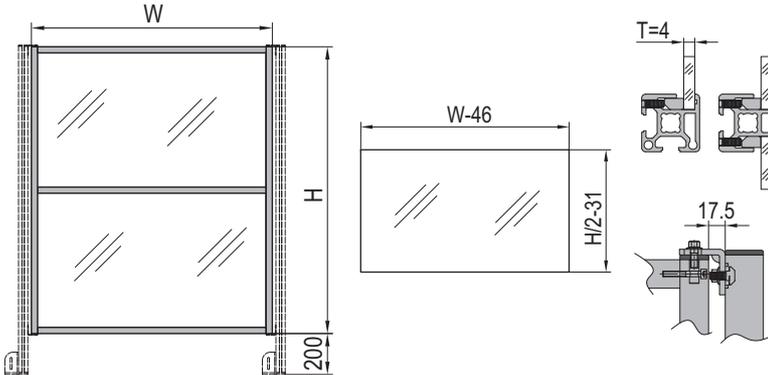
Clamping Profile Unit
 防护罩单元

PG30 Type A: 4mm Transparent PMMA Panel (1.5mm≤T≤9mm) Range of Application: 1000≤H≤2000 500≤W≤1000
 30系列 A型: 4mm透明亚克力板 (1.5mm≤T≤9mm) 适用范围: 1000≤H≤2000 500≤W≤1000



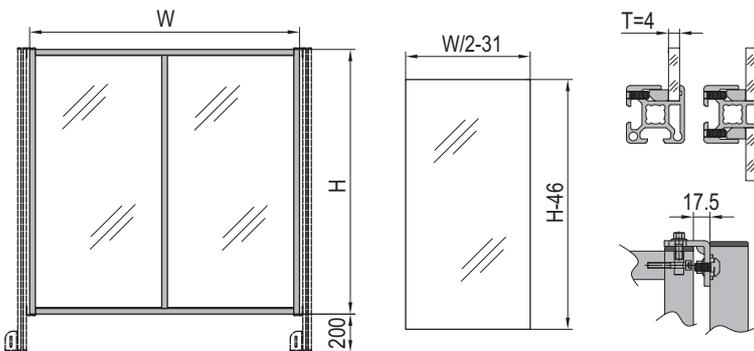
Description 描述	H (mm)	W (mm)	Part No. 订购编号
Clamping Profile Unit PG30-Type A 防护罩单元 30系列-A型	1400	425	PP30.14000425.STA.
		675	PP30.14000675.STA
		925	PP30.14000925.STA
	1800	425	PP30.18000425.STA
		675	PP30.18000675.STA
		925	PP30.18000925.STA

PG30 Type B: 4mm Transparent PMMA Panel (1.5mm≤T≤9mm) Range of Application: 1000≤H≤2000 1000<W≤1250
 30系列 B型: 4mm透明亚克力板 (1.5mm≤T≤9mm) 适用范围: 1000≤H≤2000 1000<W≤1250



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Clamping Profile Unit PG30-Type B 防护罩单元 30系列-B型	1400	1175	PP30.14001175.STB
	1800		PP30.18001175.STB

PG30 Type C: 4mm Transparent PMMA Panel (1.5mm≤T≤9mm) Range of Application: 1000≤H≤2000 1250<W≤1500
 30系列 C型: 4mm透明亚克力板 (1.5mm≤T≤9mm) 适用范围: 1000≤H≤2000 1250≤W≤1500

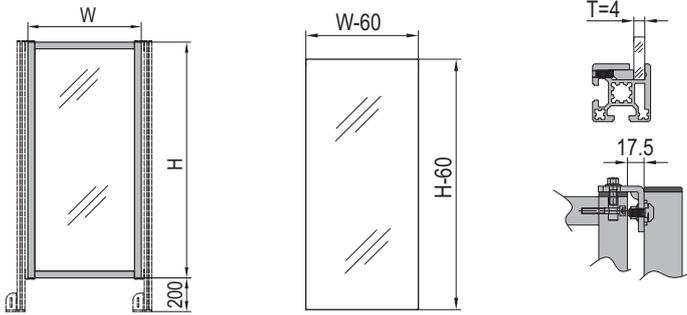


Description 描述	H (mm)	W (mm)	Part No. 订购编号
Clamping Profile Unit PG30-Type C 防护罩单元 30系列-C型	1400	1425	PP30.14001425.STC
	1800		PP30.18001425.STC

- ※ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard, the thickness of panel could be 1.5-9mm.
- ※ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计,板的可选厚度为1.5-9mm。
- ※ Standard unit excluding strut profile and connecting elements.
- ※ 标准单元不含立柱单元及连接组件。
- ※ 40x40 light profile is recommended for strut profile, refer to page 20.
- ※ 立柱建议选用40x40轻型型材,参照第20页。

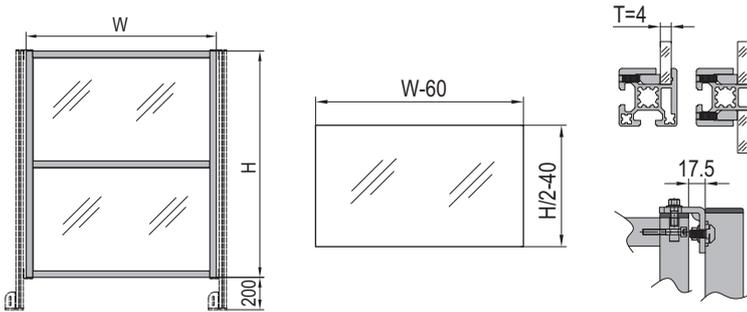
Clamping Profile Unit
 防护罩单元

PG40 Type A: 4mm Transparent PMMA Panel ($1.5\text{mm} \leq T \leq 10\text{mm}$) Range of Application: $1000 \leq H \leq 2000$ $500 \leq W \leq 1000$
 40系列 A型: 4mm透明亚克力板 ($1.5\text{mm} \leq T \leq 10\text{mm}$) 适用范围: $1000 \leq H \leq 2000$ $500 \leq W \leq 1000$



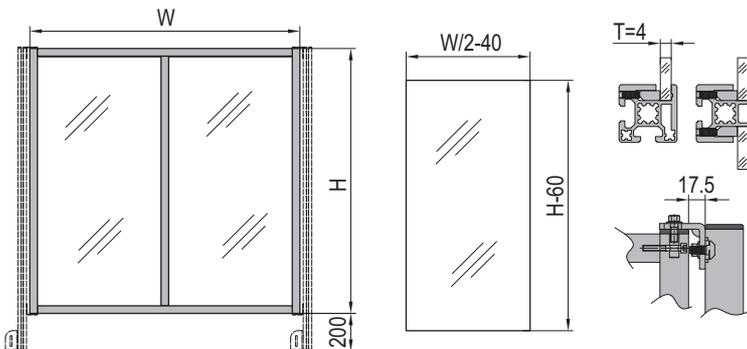
Description 描述	H (mm)	W (mm)	Part No. 订购编号
Clamping Profile Unit PG40-Type A 防护罩单元 40系列-A型	1400	420	PP40.14000420.STA
		670	PP40.14000670.STA
		920	PP40.14000920.STA
	1800	420	PP40.18000420.STA
		670	PP40.18000670.STA
		920	PP40.18000920.STA

PG40 Type B: 4mm Transparent PMMA Panel ($1.5\text{mm} \leq T \leq 10\text{mm}$) Range of Application: $1000 \leq H \leq 2000$ $1000 < W \leq 1250$
 40系列 B型: 4mm透明亚克力板 ($1.5\text{mm} \leq T \leq 10\text{mm}$) 适用范围: $1000 \leq H \leq 2000$ $1000 \leq W \leq 1250$



Description 描述	H (mm)	W (mm)	Part No. 订购编号
Clamping Profile Unit PG40-Type B 防护罩单元 40系列-B型	1400	1170	PP40.14001170.STB
	1800		PP40.18001170.STB

PG40 Type C: 4mm Transparent PMMA Panel ($1.5\text{mm} \leq T \leq 10\text{mm}$) Range of Application: $1000 \leq H \leq 2000$ $1250 < W \leq 1500$
 40系列 C型: 4mm透明亚克力板 ($1.5\text{mm} \leq T \leq 10\text{mm}$) 适用范围: $1000 \leq H \leq 2000$ $1250 \leq W \leq 1500$



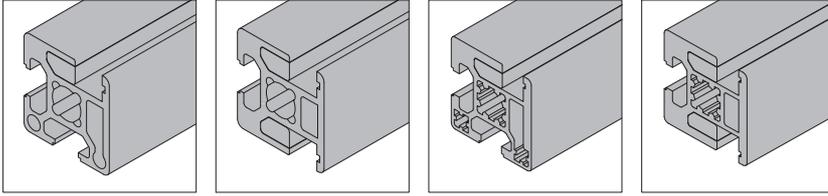
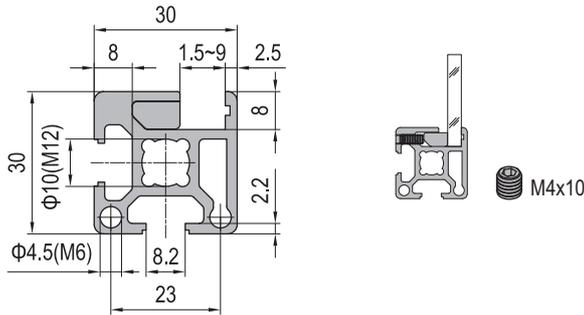
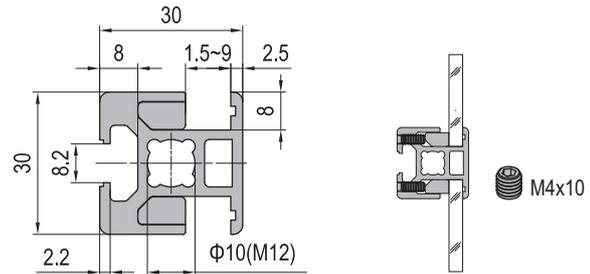
Description 描述	H (mm)	W (mm)	Part No. 订购编号
Clamping Profile Unit PG40-Type C 防护罩单元 40系列-C型	1400	1420	PP40.14001420.STC
	1800		PP40.18001420.STC

- ※ Please select the different type A,B,C according to the value of H and W if the unit size is non-standard, the thickness of panel could be 1.5-10mm.
- ※ 如单元尺寸为非标尺寸时,请根据H,W值选用A型,B型,C型三种不同适用范围进行设计,板的可选厚度为1.5-10mm.
- ※ Standard unit excluding strut profile and connecting elements.
- ※ 标准单元不含立柱单元及连接组件。
- ※ 45x45 light profile is recommended for strut profile, refer to page 21.
- ※ 立柱建议选用45x45轻型型材,参照第21页。

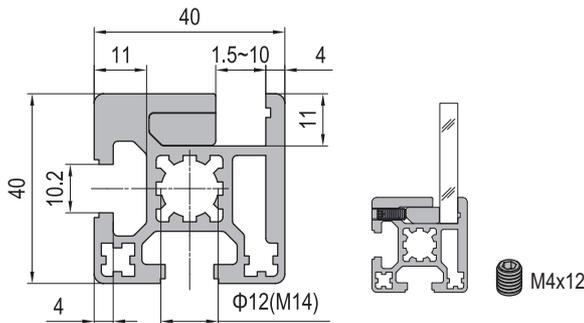
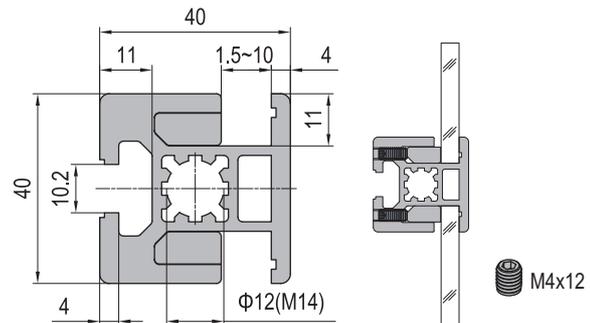
Clamping Profile
防护罩型材

Clamping profiles only could insert the panels with thickness range of 1.5-10mm, and machining will be needed on the profiles to fasten the panels in appropriate positions, the recommended distance of machining is 300mm.

防护罩型材只能用于板状物的安装，板厚度范围：30系列为1.5-9mm，40系列为1.5-10mm，安装时需要在型材上加工顶丝孔，建议顶丝安装间距为300mm。


PG30 30x30 1 Clamping slot
30系列30x30 1镶槽

PG30 30x30 2 Clamping slots Parallel
30系列30x30 2镶槽 P型


※ M4x10mm top thread recommended for PG30 profile (panel thickness 3-5mm)
 ※ 30系列, 顶丝建议选用M4x10 (适用3-5mm板)。

PG40 40x40 1 Clamping slot
40系列40x40 1镶槽

PG40 40x40 2 Clamping slots Parallel
40系列40x40 2镶槽 P型


※ M4x12mm top thread recommended for PG40 profile (panel thickness 3-5mm)
 ※ 40系列, 顶丝建议选用M4x12 (适用3-5mm板)。

Description 描述	Moment of Inertia 惯性矩 Ix(cm ⁴)	Moment of Inertia 惯性矩 Iy(cm ⁴)	Moment of Resistance 弯矩 Wx(cm ³)	Moment of Resistance 弯矩 Wy(cm ³)	Mass 重量 (kg/m)	Part No. 订购编号
Clamping Profile PG30 30x30 1 Clamping slot 防护罩型材 30系列 30x30 1镶槽	3.7	2.7	1.8	1.4	1.1	1.21.30.030030.01
Clamping Profile PG30 30x30 2 Clamping slots Parallel 防护罩型材 30系列 30x30 2镶槽 P型	3.5	3.3	2.2	2.2	1.3	1.21.30.030030.02P
Clamping Profile PG40 40x40 1 Clamping slot 防护罩型材 40系列 40x40 1镶槽	12.3	9.5	4.4	3.4	2.2	1.21.40.040040.01
Clamping Profile PG40 40x40 2 Clamping slots Parallel 防护罩型材 40系列 40x40 2镶槽 P型	12.4	12.1	5.8	6.1	2.6	1.21.40.040040.02P

Connecting Elements for Clamping Profile Unit
 防护罩单元连接件组件

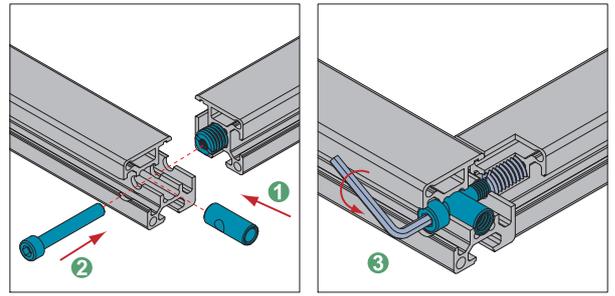
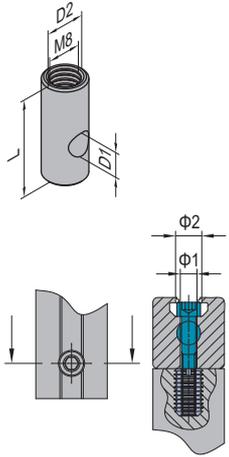
Bushing
 连接套

To realize quick installation of clamping profile unit with connecting elements.

用于实现防护单元与连接组件的快速安装。

Material : zinc plated steel

材质：碳钢镀锌



CI	Fastening Set	GD	Fastening Set
	M6x40 Bolt zinc plated		M8x45 Bolt zinc plated
	M12-M6 Hole Reducer Bolt nickel plated		M14-M8 Hole Reducer Bolt nickel plated

Description 描述	L	D1	D2	φ1	φ2	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Bushing-PG30 (set) 连接套-30系列 (成套供货)	25	6	10	7	11	1xCI	20	PPJ30.ST
Bushing-PG40 (set) 连接套-40系列 (成套供货)	30	8	12	9	14	1xGD	40	PPJ40.ST

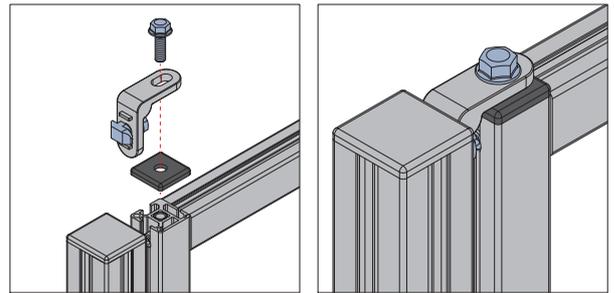
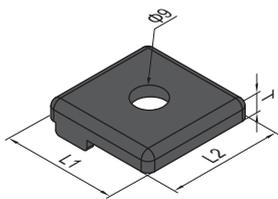
End Cap for Clamping Profile
 防护罩型材端盖

To prevent injury and improve end appearance, the bore hole enables assembly of profile and connectors.

端盖可以预防划伤,使型材更美观.中心孔用于实现型材与螺栓的连接。

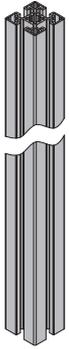
Material : Black ABS

材质：ABS 颜色：黑色



Description 描述	L1 (mm)	L2 (mm)	T (mm)	Mass 重量(g)	Part No. 订购编号
End Cap for Clamping Profile-PG30-3030 防护罩型材端盖-30系列-3030	30	30	5	4	4.12.30.3030.SM
End Cap for Clamping Profile-PG40-4040 防护罩型材端盖-40系列-4040	40	40		6	4.12.40.4040.SM

Strut Elements
立柱单元



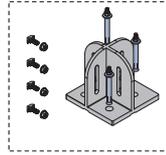
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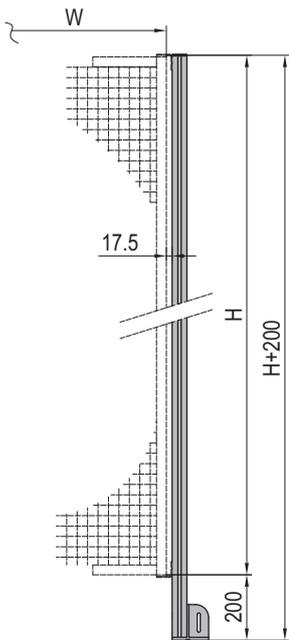
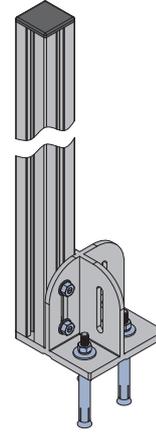
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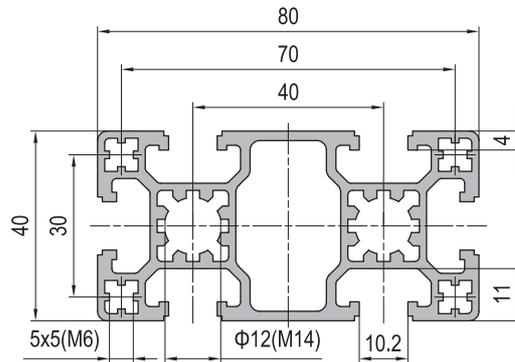
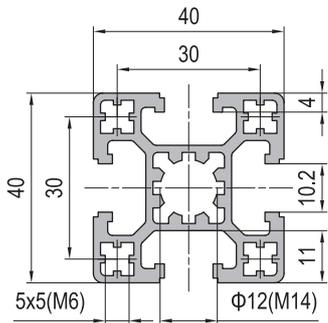
Description 描述	Strut Profile 立柱型材	H (mm)	Part No. 订购编号
Strut Elements H1400 立柱单元 H1400	40x40L	1400	PBH1400.4040.ST
	40x80L		PBH1400.4080.ST
	80x80		PBH1400.8080.ST
	45x45L		PBH1400.4545.ST
	45x60		PBH1400.4560.ST
	45x90		PBH1400.4590.ST
	90x90		PBH1400.9090.ST
	60x60		PBH1400.6060.ST
Strut Elements H1800 立柱单元 H1800	40x40L	1800	PBH1800.4040.ST
	40x80L		PBH1800.4080.ST
	80x80		PBH1800.8080.ST
	45x45L		PBH1800.4545.ST
	45x60		PBH1800.4560.ST
	45x90		PBH1800.4590.ST
	90x90		PBH1800.9090.ST
	60x60		PBH1800.6060.ST

Components for Strut Elements
立柱单元组件

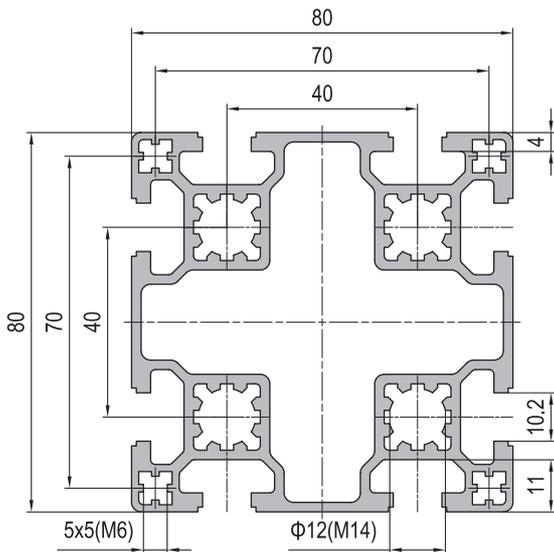
Strut Profile PG40
基础框架型材 40系列

PG40 40x40 4 slots light
40系列40x40 4槽 轻型

PG40 40x80 6 slots light
40系列40x80 6槽 轻型



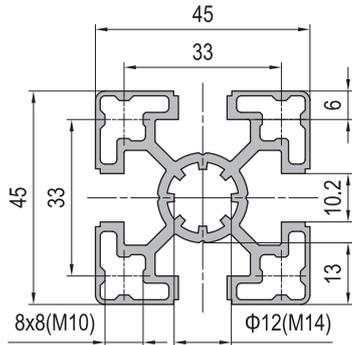
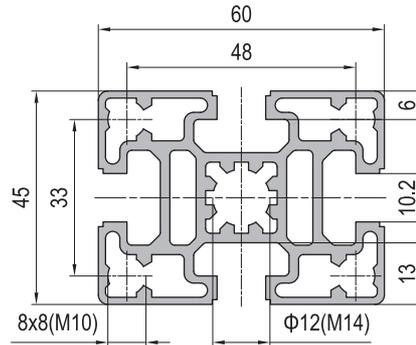
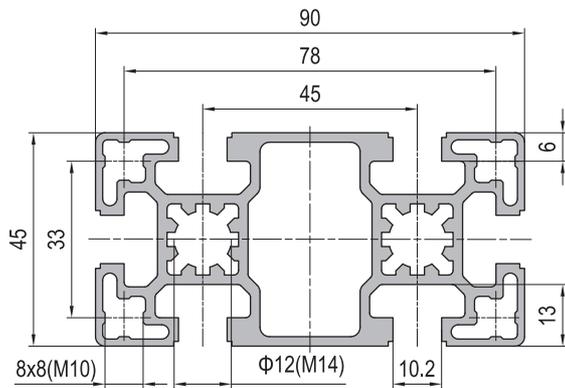
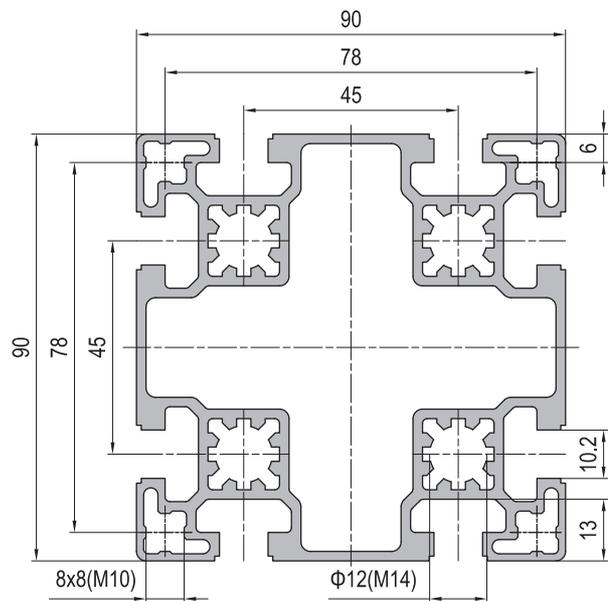
PG40 80x80 8 slots
40系列80x80 8槽



Description 描述	Moment of Inertia 惯性矩 $I_x(\text{cm}^4)$	Moment of Inertia 惯性矩 $I_y(\text{cm}^4)$	Moment of Resistance 弯矩 $W_x(\text{cm}^3)$	Moment of Resistance 弯矩 $W_y(\text{cm}^3)$	Mass 重量 (kg/m)	Part No. 订购编号
Strut Profile PG40 40x40 4 slots Light 基础框架型材 40系列 40x40 4槽 轻型	8.6	8.6	4.3	4.3	1.5	1.11.40.040040.04L
Strut Profile PG40 40x80 6 slots Light 基础框架型材 40系列 40x80 6槽 轻型	15.8	59.1	7.9	14.8	2.5	1.11.40.040080.06L
Strut Profile PG40 80x80 8 slots 基础框架型材 40系列 80x80 8槽	109.9	109.9	27.5	27.5	4.2	1.11.40.080080.08

Components for Strut Elements
 立柱单元组件

 Strut Profile PG45
 基础框架型材 45系列

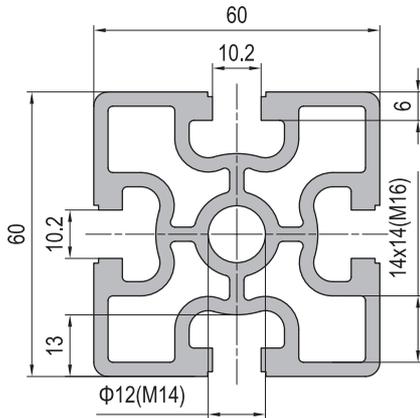
 PG45 45x45 4 slots Light
 45系列45x45 4槽 轻型

 PG45 45x60 4 slots
 45系列45x60 4槽

 PG45 45x90 6 slots
 45系列45x90 6槽

 PG45 90x90 8 slots
 45系列90x90 8槽


Description 描述	Moment of Inertia 惯性矩 $I_x(\text{cm}^4)$	Moment of Inertia 惯性矩 $I_y(\text{cm}^4)$	Moment of Resistance 弯矩 $W_x(\text{cm}^3)$	Moment of Resistance 弯矩 $W_y(\text{cm}^3)$	Mass 重量 (kg/m)	Part No. 订购编号
Strut Profile PG40 45x45 4 slots Light 基础框架型材 45系列 45x45 4槽 轻型	10.5	10.5	4.7	4.7	1.6	1.11.45.045045.04L
Strut Profile PG45 45x60 4 slots 基础框架型材 45系列 45x60 4槽	16.2	27.8	7.2	9.3	2.4	1.11.45.045060.04
Strut Profile PG45 45x90 6 slots 基础框架型材 45系列 45x90 6槽	24.2	89.3	10.8	19.9	3.2	1.11.45.045090.06
Strut Profile PG45 90x90 8 slots 基础框架型材 45系列 90x90 8槽	163.2	163.2	36.3	36.3	5.0	1.11.45.090090.08

Components for Strut Elements
立柱单元组件

Strut Profile PG60
基础框架型材 60系列

PG60 60x60 4 slots
60系列60x60 4槽



※ 60x60 profile couldn't be strut profile of side-hung door
※ 此型材不可作为平开门立柱型材

Description 描述	Moment of Inertia 惯性矩 $I_x(\text{cm}^4)$	Moment of Inertia 惯性矩 $I_y(\text{cm}^4)$	Moment of Resistance 弯矩 $W_x(\text{cm}^3)$	Moment of Resistance 弯矩 $W_y(\text{cm}^3)$	Mass 重量 (kg/m)	Part No. 订购编号
Strut Profile PG60 60x60 4 slots 基础框架型材 60系列 60x60 4槽	47.7	47.7	15.9	15.9	3.8	1.11.60.060060.04

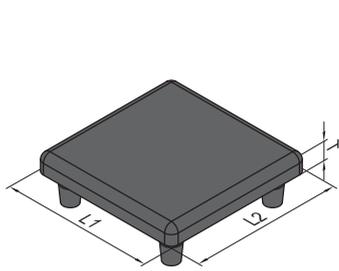
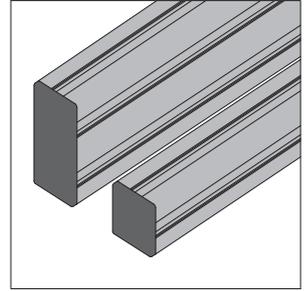
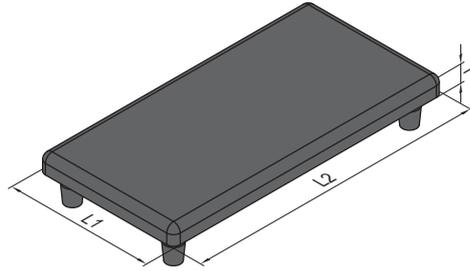
Components for Strut Elements
 立柱单元组件

 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


 Type B
 B型

 Type C
 C型

Description 描述		L1 (mm)	L2 (mm)	T (mm)	Mass 重量(g)	Part No. 订购编号
Type B B型	End Cap-PG40-4040 端盖-40系列-4040	40	40	5	6	4.11.40.4040
	End Cap-PG40-8080 端盖-40系列-8080	80	80		22	4.11.40.8080
	End Cap-PG45-4545 端盖-45系列-4545	45	45		8	4.11.45.4545
	End Cap-PG45-9090 端盖-45系列-9090	90	90		28	4.11.45.9090
	End Cap-PG60-6060 端盖-60系列-6060	60	60		14	4.11.60.6060
Type C C型	End Cap-PG40-4080 端盖-40系列-4080	40	80		13	4.11.40.4080
	End Cap-PG45-4560 端盖-45系列-4560	45	60		11	4.11.45.4560
	End Cap-PG45-4590 端盖-45系列-4590	45	90		16	4.11.45.4590

Components for Strut Elements
 立柱单元组件

 Base Plate
 隔段支脚

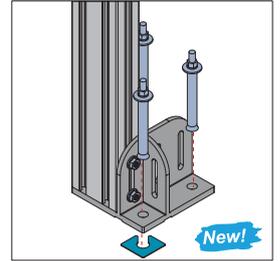
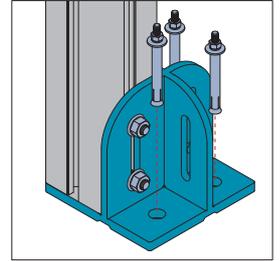
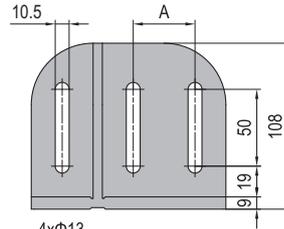
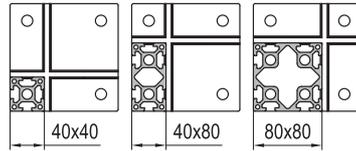
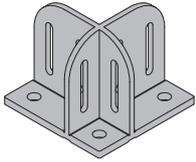
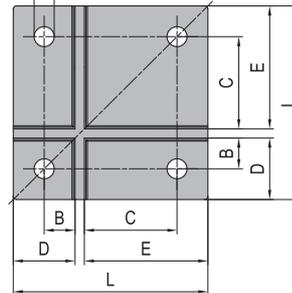
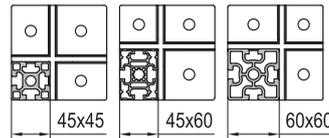
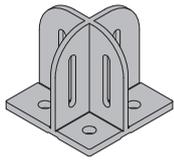
To support strut profile mounted between sections of machine guard system

Expansion bolts chocked into floor can offer very high stability.

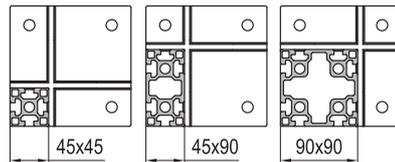
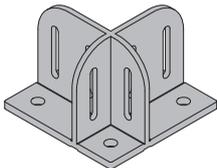
隔段支脚用于防护单元之间型材的底部支撑,使用膨胀螺栓置于地下更能提高稳定性。

Material and Color: die cast with grey surface treatment against corrosion

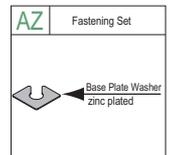
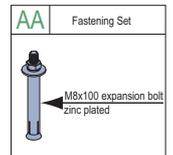
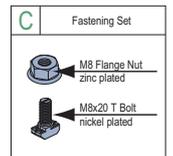
材质: 铸钢 表面处理: 防腐化学

 Base Plate 4080
 隔段支脚 4080

 Base Plate 4560
 隔段支脚 4560


Base Plate Gasket **New!**
 隔断支脚垫片
 To adjust the degree of vertical profile and uneven ground.
 隔断支脚垫片用于地面不平,调整型材与地面垂直度。

 Base Plate 4590
 隔段支脚 4590


Description 描述	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Base Plate-4080 (pcs) 隔段支脚-4080 (单个供货)	126	40	20	60	40	80	2xAZ	1930	5.11.4080
Base Plate-4080 (set A) 隔段支脚-4080 (单个供货)							4xC+3xAA+2xAZ	2240	5.11.4080.STA
Base Plate-4080 (set B) 隔段支脚-4080 (单个供货)							6xC+3xAA+2xAZ	2290	5.11.4080.STB
Base Plate-4080 (set C) 隔段支脚-4080 (单个供货)							8xC+3xAA+2xAZ	2340	5.11.4080.STC
Base Plate-4560 (pcs) 隔段支脚-4560 (单个供货)	111		22.5	30	45	60	2xAZ	1600	5.11.4560
Base Plate-4560 (set) 隔段支脚-4560 (单个供货)							4xC+3xAA+2xAZ	1910	5.11.4560.ST
Base Plate-4590 (pcs) 隔段支脚-4590 (单个供货)	141	45	22.5	67.5	45	90	2xAZ	2330	5.11.4590
Base Plate-4590 (set A) 隔段支脚-4590 (单个供货)							4xC+3xAA+2xAZ	2640	5.11.4590.STA
Base Plate-4590 (set B) 隔段支脚-4590 (单个供货)							6xC+3xAA+2xAZ	2690	5.11.4590.STB
Base Plate-4590 (set C) 隔段支脚-4590 (单个供货)							8xC+3xAA+2xAZ	2740	5.11.4590.STC

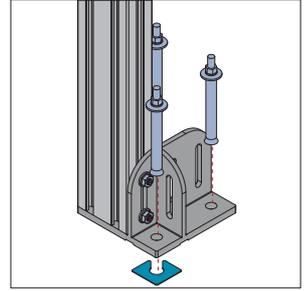
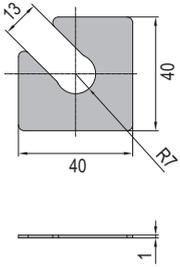


Components for Strut Elements
立柱单元组件

Base Plate Gasket **New!**
隔断支脚垫片

To adjust the degree of vertical profile and uneven ground.
隔断支脚垫片用于地面不平，调整型材与地面垂直度。

Material: zinc plated steel
材质：碳钢镀锌



Description 产品描述	Mass 重量 (g/pcs)	Part No. 订购编号
Base Plate Gasket 隔断支脚垫片	9	5.11.01

Components for Strut Elements
 立柱单元组件

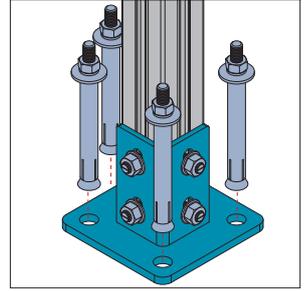
 Base Plate
 隔段支脚

To support strut profile mounted between sections of machine guard system
 Expansion bolts chocked into floor can offer very high stability.

隔段支脚用于防护单元之间型材的底部支撑,使用膨胀螺栓置于地下更能提高稳定性。

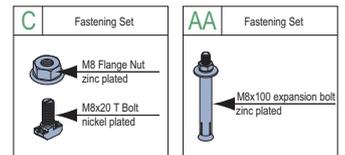
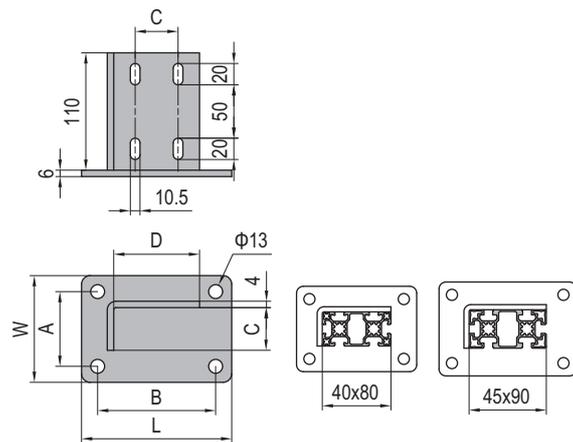
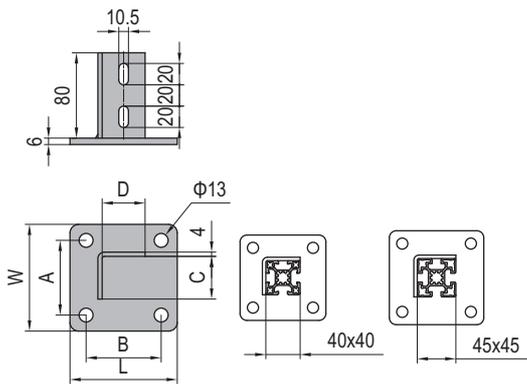
Material and Color: carbon steel, black electrophoresis

材质: 碳钢 颜色: 黑色电泳



Base Plate 40x40/45x45
 隔段支脚 40x40/45x45

Base Plate 40x80/45x90
 隔段支脚 40x80/45x90

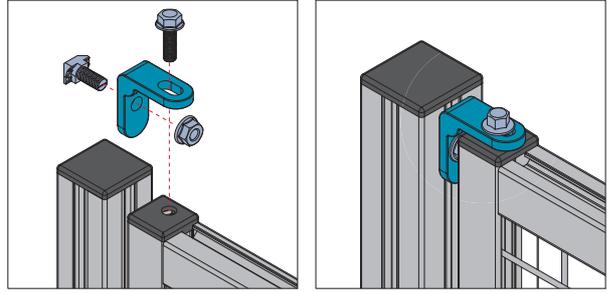
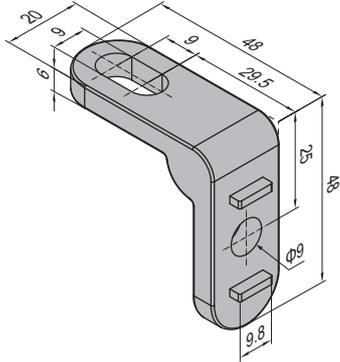


Description 描述	L (mm)	W (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Base Plate-4040 (pcs) 隔段支脚-4040 (单个供货)	100	100	70	70	40	40		629	5.13.4040
Base Plate-4040 (set) 隔段支脚-4040 (成套供货)							4xC+4xAA	1037	5.13.4040.ST
Base Plate-4545 (pcs) 隔段支脚-4545 (单个供货)	110	110	80	80	45	45		1022	5.13.4545
Base Plate-4545 (set) 隔段支脚-4545 (成套供货)							4xC+4xAA	1474	5.13.4545.ST
Base Plate-4080 (pcs) 隔段支脚-4080 (单个供货)	140	100	70	110	40	80		753	5.13.4080
Base Plate-4080 (set) 隔段支脚-4080 (成套供货)							6xC+4xAA	1161	5.13.4080.ST
Base Plate-4590 (pcs) 隔段支脚-4590 (单个供货)	160	110	80	130	45	90		1243	5.13.4590
Base Plate-4590 (set) 隔段支脚-4590 (成套供货)							6xC+4xAA	1685	5.13.4590.ST

Connecting Element
连接组件

To connect standard unit with strut element.
用于防护单元与立柱单元的连接。

Material: Die cast zinc
材质: 压铸锌



Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Connecting Element for Protective Grille Unit 连接组件-防护网单元	1×HA	96g	PNC.ST
Connecting Element for Clamping Profile Unit 连接组件-防护罩单元	1×HB	94g	PPC.ST

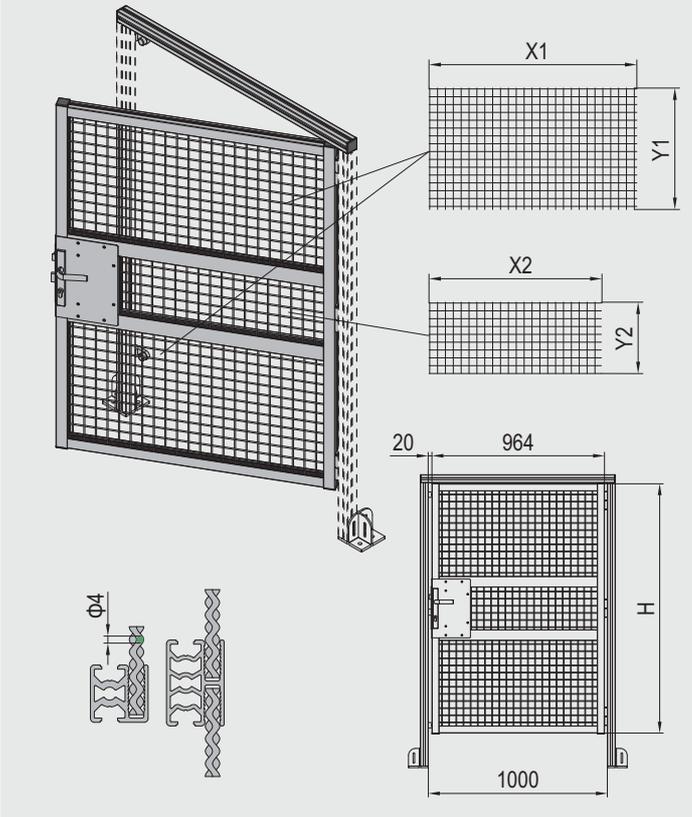
HA	Fastening Set	HB	Fastening Set
	M8x25 Bolt zinc plated		M8x20 Bolt zinc plated
	M8 Flange Nut zinc plated		M8 Flange Nut zinc plated
	M8x20 T Bolt nickel plated		M8x20 T Bolt nickel plated

Swing Door
 平开门

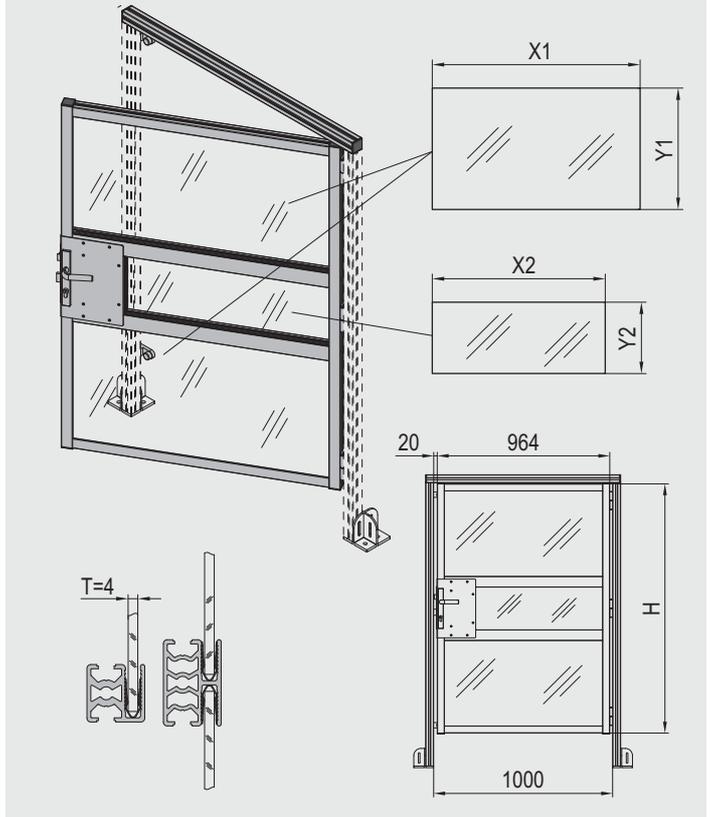
 Swing Door for Protective Grille Unit
 防护网单元平开门

 40x40 woven mesh Ø4 diameter
 编织网40x40 丝径Ø4

01


 4mm Transparent PMMA Panel (3mm≤T≤5mm)
 4mm透明亚克力板 (3mm≤T≤5mm)

02



Description 描述	H (mm)	X1 (mm)	Y1 (mm)	X2 (mm)	Y2 (mm)	Part No. 订购编号
Swing Door for Protective Grille Unit-PG30-01 平开门-防护网单元-30系列-01	1400	954	543	769	295	PNDH.30.1400.ST.01
	1800		743			PNDH.30.1800.ST.01
Swing Door for Protective Grille Unit-PG30-02 平开门-防护网单元-30系列-02	1400	952	539	767	290	PNDH.30.1400.ST.02
	1800		739			PNDH.30.1800.ST.02
Swing Door for Protective Grille Unit-PG40-01 平开门-防护网单元-40系列-01	1400	934	530	754	290	PNDH.40.1400.ST.01
	1800		730			PNDH.40.1800.ST.01
Swing Door for Protective Grille Unit-PG40-02 平开门-防护网单元-40系列-02	1400	932	528	752	288	PNDH.40.1400.ST.02
	1800		728			PNDH.40.1800.ST.02

✖ Strut elements excluded.

平开门不含两侧立柱单元。

✖ One side of strut profile of swing door need to be tapping M14x30 screw.

平开门两侧的立柱型材需一端攻丝M14x30。

✖ Standard Swing Door is right-open, if left-open door needed, please specify.

标准平开门为右开,如需左开订购时请注明。

✖ Corresponding strut profile for PG30 is 40x40L, and 45x45L for PG40.

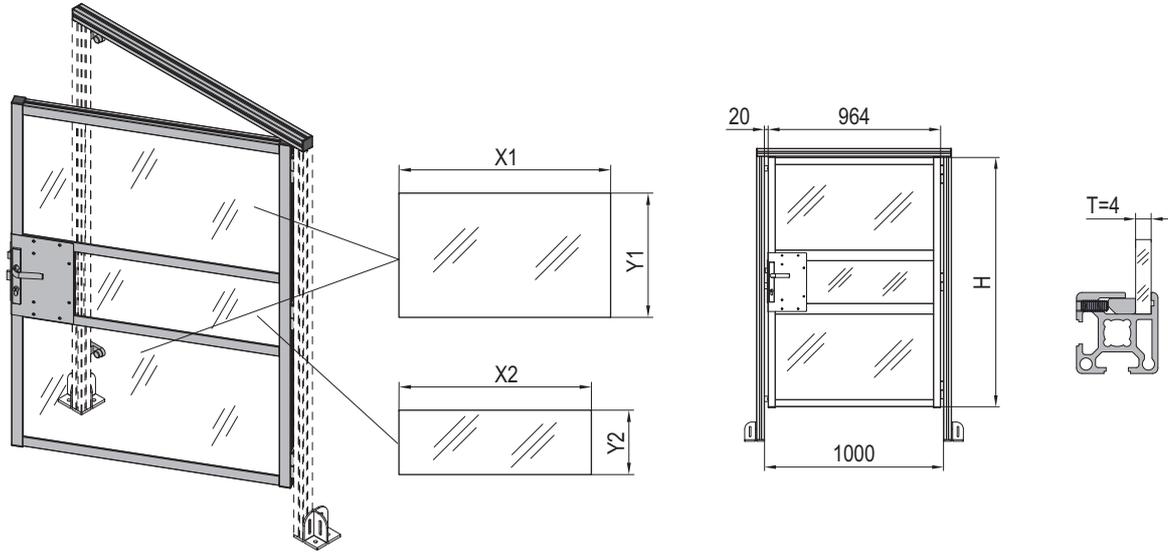
30系列对应的立柱型材为40x40 轻型, 40系列为45x45 轻型。

✖ Please select door shutter if self-closing function needed, refer to page 39 for more information.

如需实现自动关闭功能,可选用闭门器,详见39页。

Swing Door
 平开门

 Swing Door for Clamping Profile Unit
 防护罩单元平开门

 4mm Transparent PMMA Panel (1.5mm≤T≤10mm)
 4mm透明亚克力板 (1.5mm≤T≤10mm)


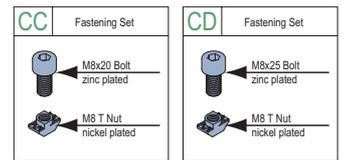
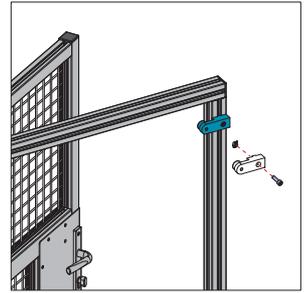
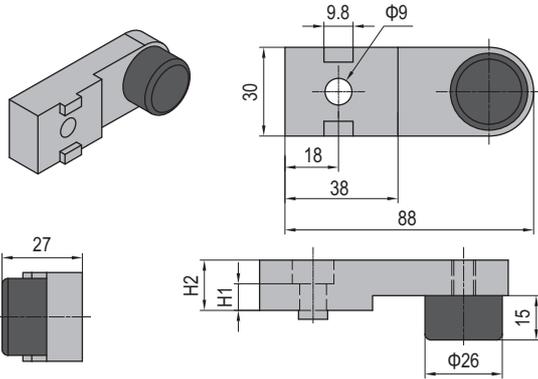
Description 描述	H (mm)	X1 (mm)	Y1 (mm)	X2 (mm)	Y2 (mm)	Part No. 订购编号
Swing Door for Clamping Profile Unit-PG30 平开门-防护罩单元-30系列	1400	918	519	733	284	PPDH.30.1400.ST
	1800		719			PPDH.30.1800.ST
Swing Door for Clamping Profile Unit-PG40 平开门-防护罩单元-40系列	1400	904	510	724	280	PPDH.40.1400.ST
	1800		710			PPDH.40.1800.ST

- ✱ Strut elements excluded.
平开门不含两侧立柱单元。
- ✱ One end of strut profile of swing door need to be tapping M14x30 screw.
平开门两侧的立柱型材需一端攻丝M14x30。
- ✱ Standard Swing Door is right-open, if left-open door needed, please specify.
标准平开门为右开,如需左开订购时请注明。
- ✱ Corresponding strut profile for PG30 is 40x40L, and 45x45L for PG40.
30系列对应的立柱型材为40x40 轻型, 40系列为45x45 轻型。
- ✱ Please select door shutter if self-closing function needed, refer to page 39 for more information.
如需实现自动关闭功能,可选用闭门器,详见39页。

Components for Swing Door
平开门组件

Buffer Block for Swing Door
平开门缓冲块

Material: aluminum alloy
材质: 铝合金



Description 描述	H1 (mm)	H2 (mm)	Fastening Set 紧固组件	Mass 重量 (g)	Part No. 订购编号
Buffer Block for Swing Door-PG30 平开门缓冲块-30系列	9	17	1xCC	112	PNDH30.BB
Buffer Block for Swing Door-PG40 平开门缓冲块-40系列	14	22	1xCD	121	PNDH40.BB

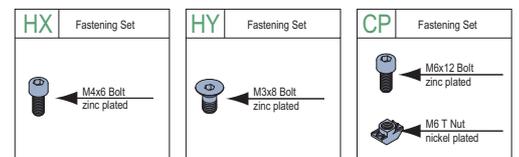
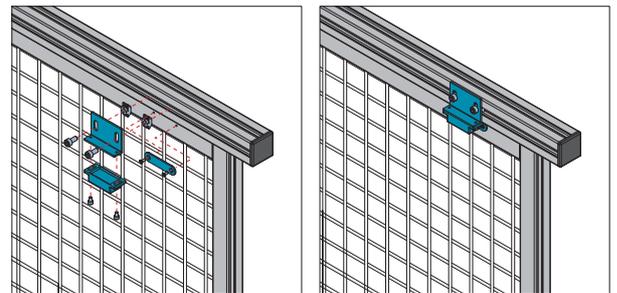
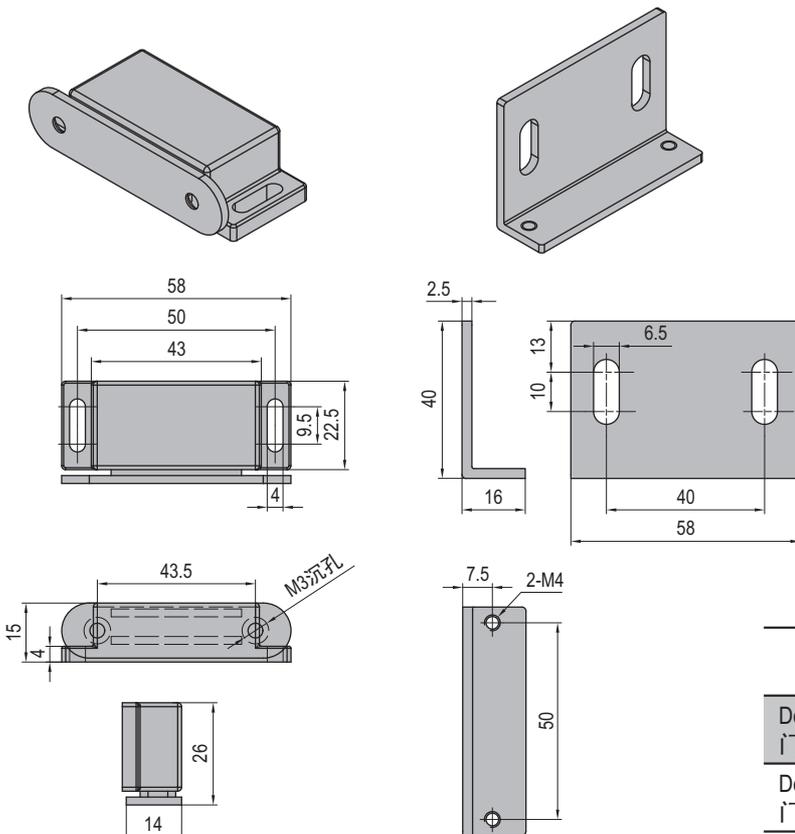
Doormagnet
门吸

Doormagnet has the function of absorption and fixation which cannot make the door opened optionally.

门吸在门关闭时起固定功能, 并有吸附作用, 使门不会随意开关。

Material: Doormagnet-stainless steel Connector-zinc plated steel

材质: 门吸-不锈钢 连接件-碳钢镀锌



Description 描述	Fastening Set 紧固组件	Mass 重量 (g)	Part No. 订购编号
Doormagnet (pcs) 门吸 (单个供货)		61	PNDH.DM
Doormagnet (set) 门吸 (成套供货)	2xHX+2xHY+2xCP	133	PNDH.DM.ST

Components for Swing Door
平开门组件

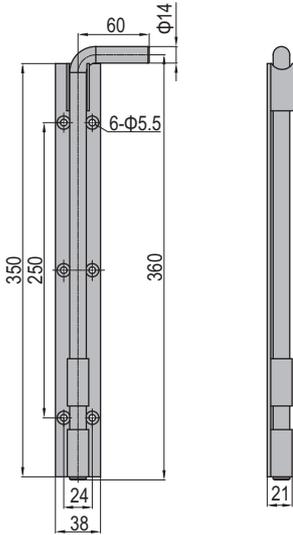
Ground Latch
地插销

Ground Latch is used to lock the door on the ground and make the door not opened optionally.

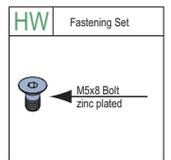
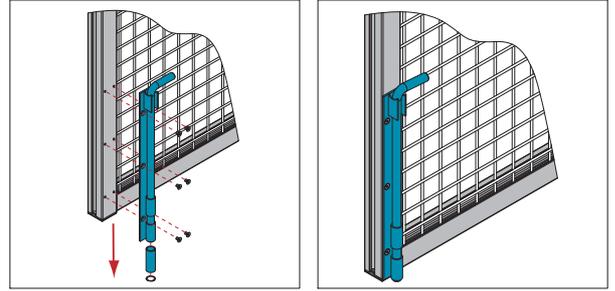
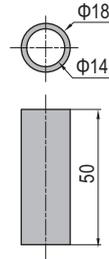
地插销用于将门固定在地上，使门不会随意开关。

Material: zinc plated steel

材质：碳钢镀锌



Bushing
地插销套



Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Ground Latch-PG40 (set) 地插销-40系列 (成套供货)	6xHW	930	PNDH40.LG.ST

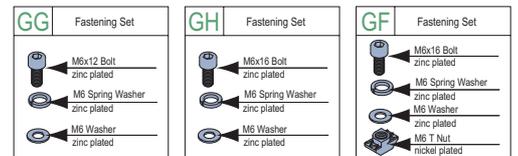
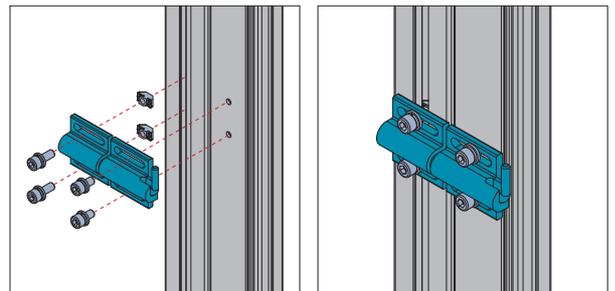
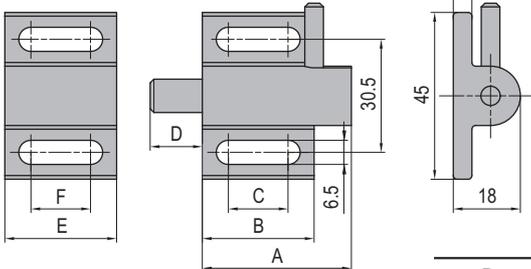
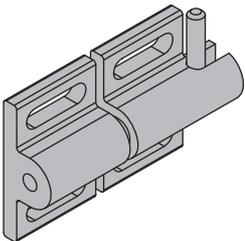
Door Latch
插销

Door Latch is used to fix and lock the door to make sure the door cannot opened optionally.

插销用于将门固定，使门不会随意开关。

Material: Door Latch: aluminum Latch Rod: stainless steel

材质：插销座-铝合金 插销杆-不锈钢



Description 描述	Fastening Set 紧固组件	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Mass 重量(g)	Part No. 订购编号
Door Latch-PG30 插销-30系列	2xGG+2xGF	40	30	16	14	30	16	97	PNDH30.LD.ST
Door Latch-PG40 插销-40系列	2xGH+2xGF	50	40	26	17	40	26	127	PNDH40.LD.ST

Sliding Door
 推拉门

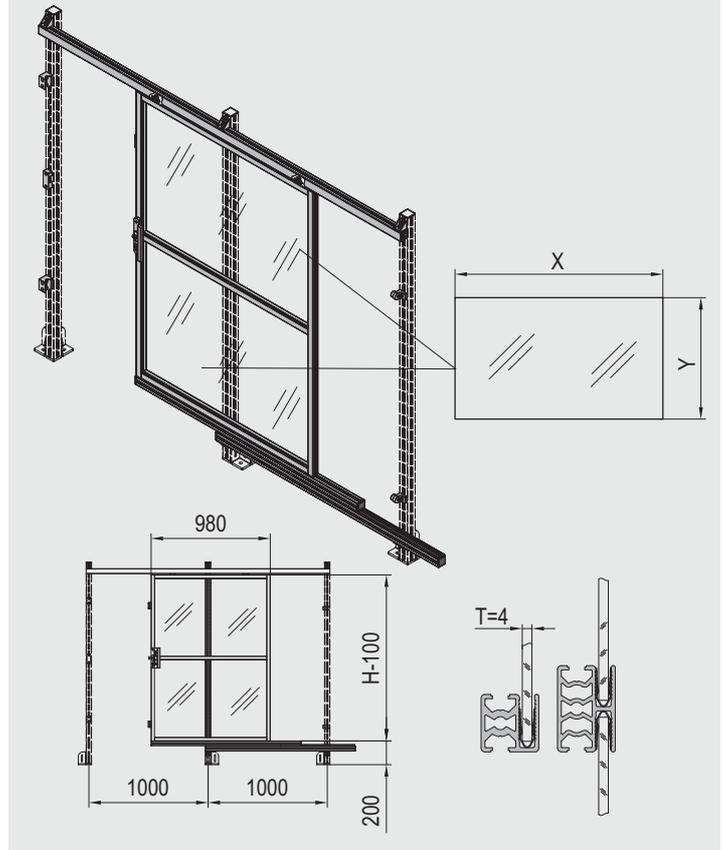
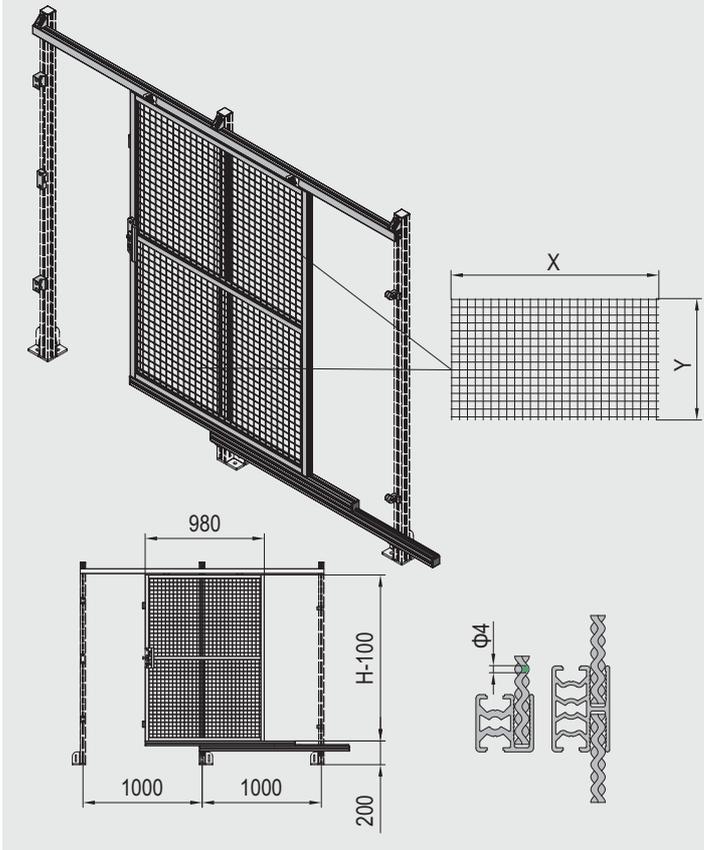
 Sliding Door for Protective Grille Unit
 防护网单元推拉门

 40x40 woven mesh $\varnothing 4$ diameter
 编织网40x40 丝径 $\varnothing 4$

01

 4mm Transparent PMMA Panel (3mm \leq T \leq 5mm)
 4mm 透明亚克力板 (3mm \leq T \leq 5mm)

02



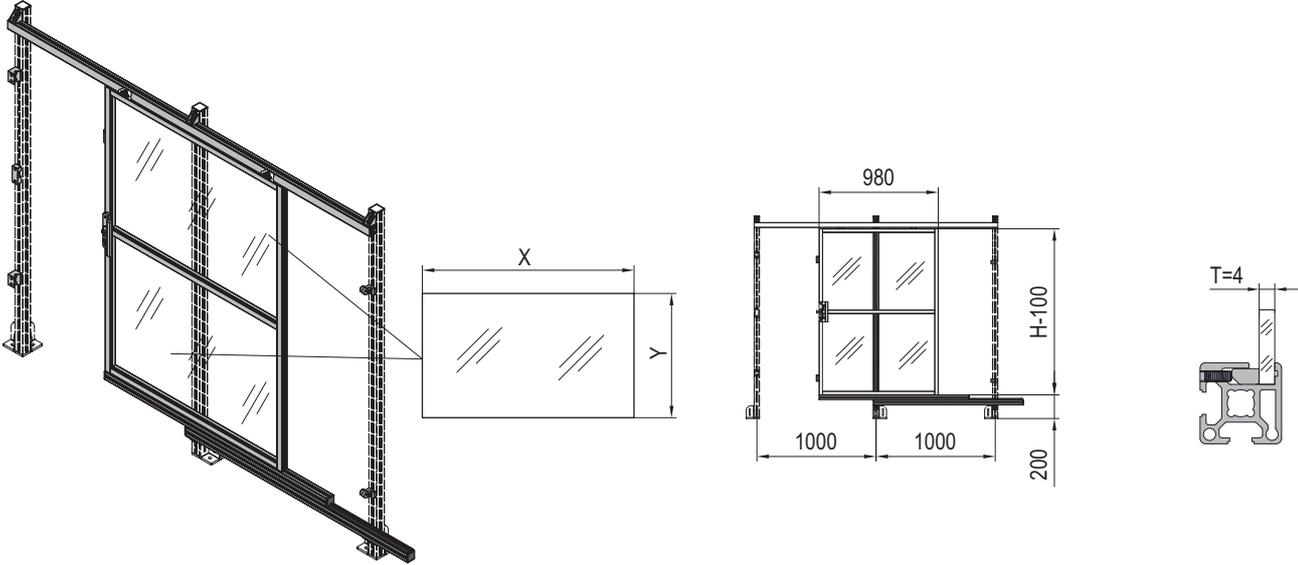
Description 描述	H(mm)	X(mm)	Y(mm)	Part No. 订购编号
Sliding Door for Protective Grille Unit-PG30-01 推拉门-防护网单元-30系列-01	1400	970	643	PNDS.30.1400.ST.01
	1800		843	PNDS.30.1800.ST.01
Sliding Door for Protective Grille Unit-PG30-02 推拉门-防护网单元-30系列-02	1400	968	639	PNDS.30.1400.ST.02
	1800		839	PNDS.30.1800.ST.02
Sliding Door for Protective Grille Unit-PG40-01 推拉门-防护网单元-40系列-01	1400	950	630	PNDS.40.1400.ST.01
	1800		830	PNDS.40.1800.ST.01
Sliding Door for Protective Grille Unit-PG40-02 推拉门-防护网单元-40系列-02	1400	948	628	PNDS.40.1400.ST.02
	1800		828	PNDS.40.1800.ST.02

 ✖ Standard Sliding Door is right-open,if left-open door needed,please specify.
 标准推拉门为右开门,如需左开门订购时请注明。

 ✖ Corresponding strut profile for PG30 is 40x40L, and 45x45L for PG40.
 30系列对应的立柱型材为40x40 轻型, 40系列为45x45 轻型。

Sliding Door
 推拉门

 Sliding Door for Clamping Profile Unit
 防护罩单元推拉门

 4mm Transparent PMMA Panel (1.5mm≤T≤10mm)
 4mm 透明亚克力板 (1.5mm≤T≤10mm)


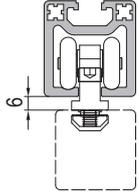
Description 描述	H(mm)	X(mm)	Y(mm)	Part No. 订购编号
Sliding Door for Clamping Profile Unit-PG30 推拉门-防护罩单元-30系列	1400	934	619	PPDS.30.1400.ST
	1800		819	PPDS.30.1800.ST
Sliding Door for Clamping Profile Unit-PG40 推拉门-防护罩单元-40系列	1400	920	610	PPDS.40.1400.ST
	1800		810	PPDS.40.1800.ST

- ✳ Standard Sliding Door is right-open, if left-open door needed, please specify.
标准推拉门为右开门,如需左开门订购时请注明。
- ✳ Corresponding strut profile for PG30 is 40x40L, and 45x45L for PG40.
30系列对应的立柱型材为40x40 轻型, 40系列为45x45 轻型。

Components for Sliding Door
推拉门组件

Sliding door are normally composed of A,B,C,D,E,F and G as shown in the below figure.
推拉门组件一般是由(如图所示)A、B、C、D、E、F、G七部分组成。

A: Profile Rails
滑道型材



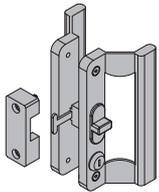
B: Carriage
滑轮组



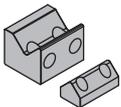
C: Buffer Block
缓冲块



E: Lock for Sliding door
推拉门锁



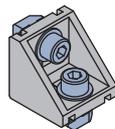
D: Guide Block
导向块



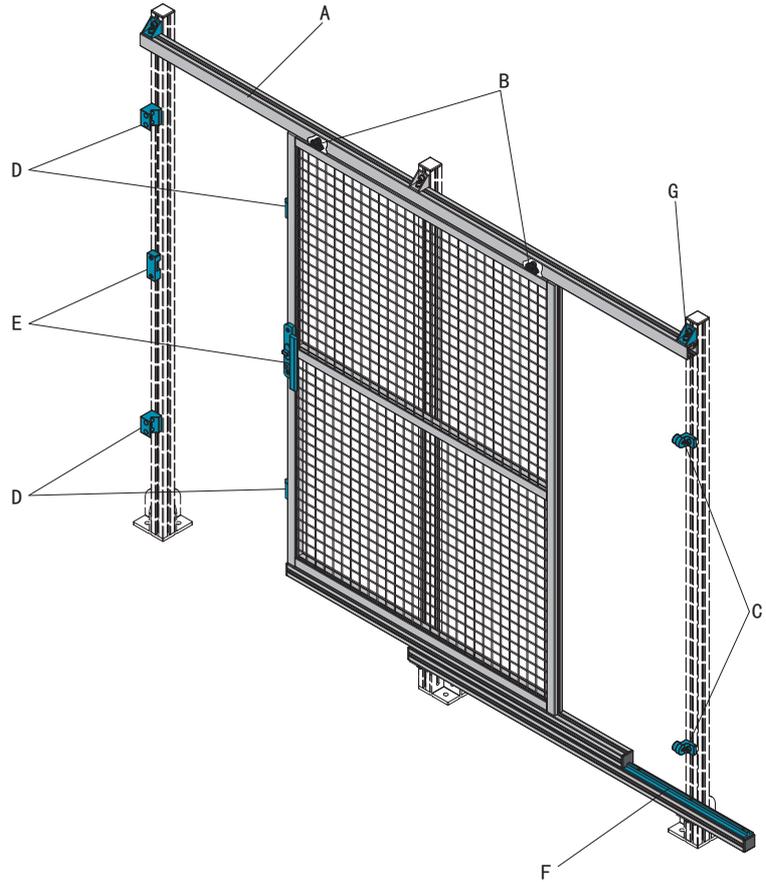
F: Friction Strip Components
摩擦条组



G: Die Cast Bracket
压铸角铝



Sliding Door
推拉门

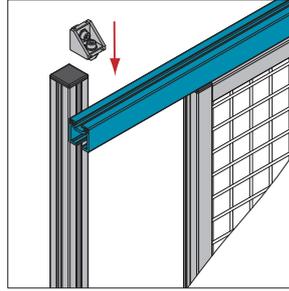
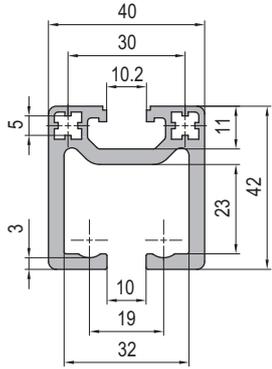


Components for Sliding Door
推拉门组件

Profile Rail
滑道型材

Material: 6063-T5

材质: 6063-T5

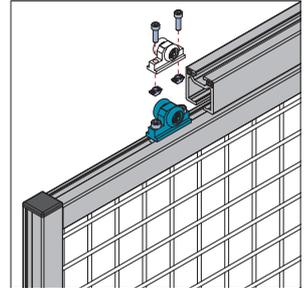
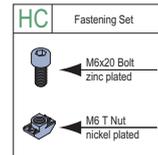
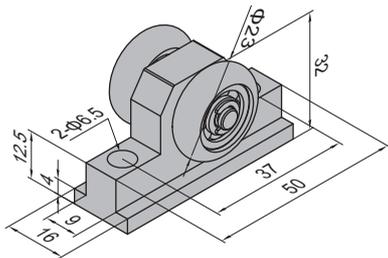


Description 描述	Moment of Inertia 惯性矩Ix(cm ⁴)	Moment of Inertia 惯性矩Iy(cm ⁴)	Moment of Resistance 弯矩Wx(cm ³)	Moment of Resistance 弯矩Wy(cm ³)	Mass 重量(kg/m)	Part No. 订购编号
Profile Rail 滑道型材	12.7	10.6	6.4	5.1	1.6	1.42.40.4040.01

Pulley Block for Sliding Door
推拉门滑轮组

Material: aluminum alloy

材质: 铝合金

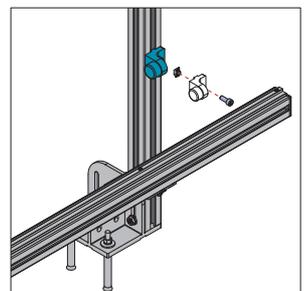
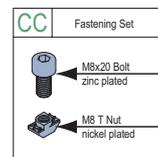
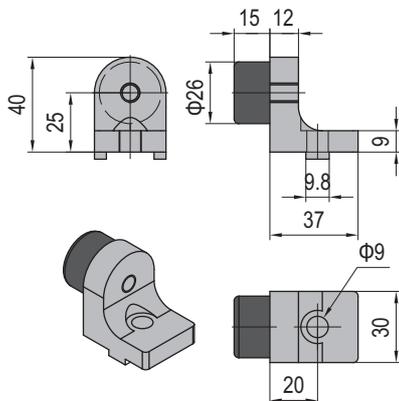


Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Pulley Block for Sliding Door 推拉门滑轮组	2xHC	70	PBDS.PB

Buffer Block for Sliding Door
推拉门缓冲块

Material: aluminum alloy

材质: 铝合金



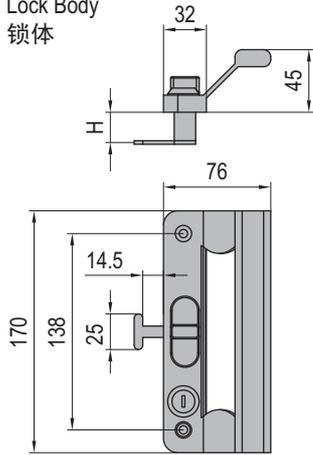
Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Buffer Block for Sliding Door 推拉门缓冲块	1xCC	64	PBDS.BB

Components for Sliding Door
推拉门组件

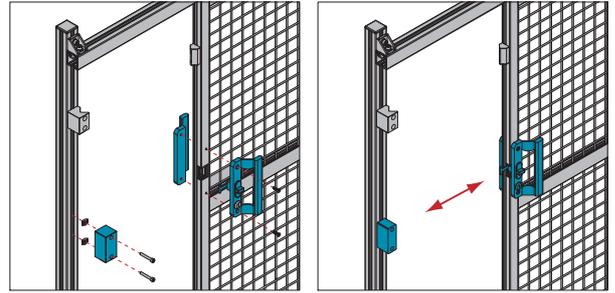
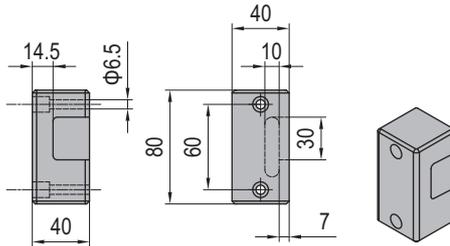
Lock for Sliding Door
推拉门锁

Material: Lock Body: steel, black electrophoresis Lock Slot:aluminum
材质: 锁体-碳钢黑色电泳 锁卡槽-铝合金

Lock Body
锁体



Lock Slot
锁卡槽

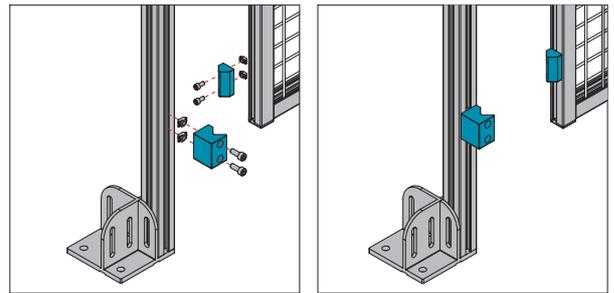
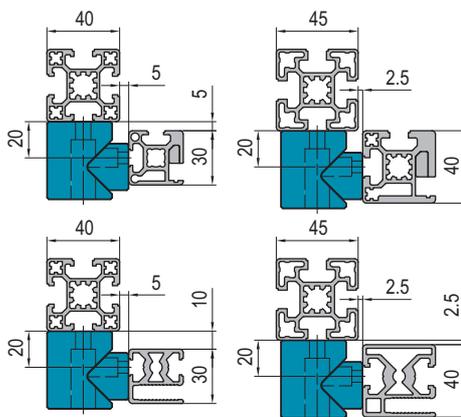
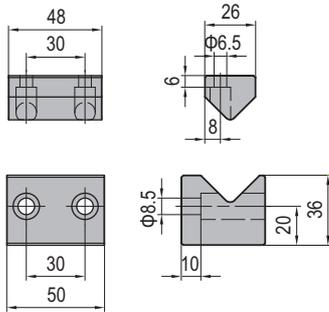


HZ	Fastening Set	HG	Fastening Set
	M6x40 Bolt zinc plated		M6x40 Bolt zinc plated
	M6x55 Bolt zinc plated		M6x45 Bolt zinc plated
	M6 T Nut nickel plated		M6 T Nut nickel plated

Description 描述	H (mm)	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Lock for Sliding Door of Protective Grille Unit-PG30 推拉门锁-防护网单元-30系列	18	2xHG	906	PNDS30.LK
Lock for Sliding Door of Protective Grille Unit-PG40 推拉门锁-防护网单元-40系列	20	2xHZ	910	PNDS40.LK
Lock for Sliding Door of Clamping Profile Unit-PG30 推拉门锁-防护罩单元-30系列	12	2xHG	906	PPDS30.LK
Lock for Sliding Door of Clamping Profile Unit-PG40 推拉门锁-防护罩单元-40系列	18	2xHZ	910	PPDS40.LK

Guide Block for Sliding Door
推拉门导向块

Material: POM
材质: POM



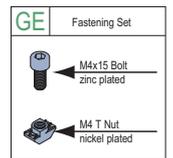
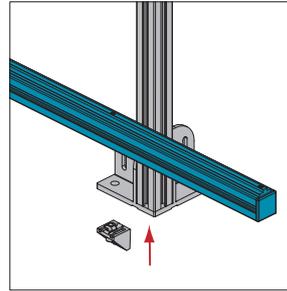
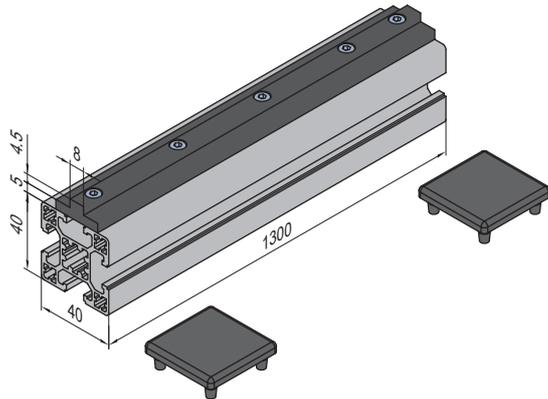
HD	Fastening Set	HE	Fastening Set	HF	Fastening Set
	M8x20 Bolt zinc plated		M6x12 Bolt zinc plated		M6x16 Bolt zinc plated
	M8 T Nut nickel plated		M6 T Nut nickel plated		M6 T Nut nickel plated

Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Guide Block for Sliding Door-PG30 推拉门导向块-30系列	2xHD+2xHE	151	PBDS30.DS
Guide Block for Sliding Door-PG40 推拉门导向块-40系列	2xHD+2xHF	157	PBDS40.DS

Components for Sliding Door
推拉门组件

Friction Strip Components
摩擦条组

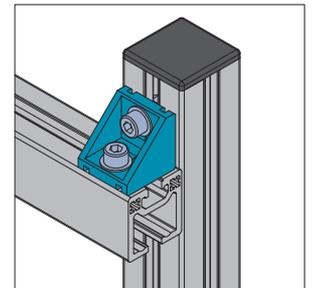
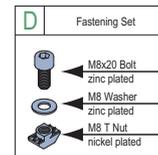
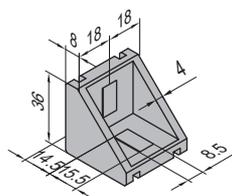
The friction strip enable economical and low wear guides for manual sliding doors.
摩擦条组用于推拉门下侧导向,使推拉门滑动更顺滑。
Material: UHMW PE
材质: 高分子聚乙烯



Description 描述	Fastening Set 紧固组件	Mass 重量(kg)	Part No. 订购编号
Friction Strip Components (set) 摩擦条组 (成套供货)	5xGE	2.1	PPDS.FS.ST

Die Cast Bracket
压铸角铝

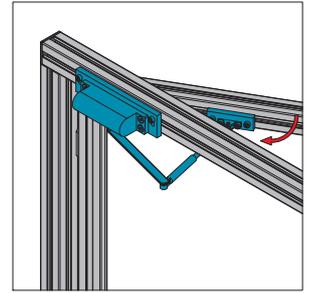
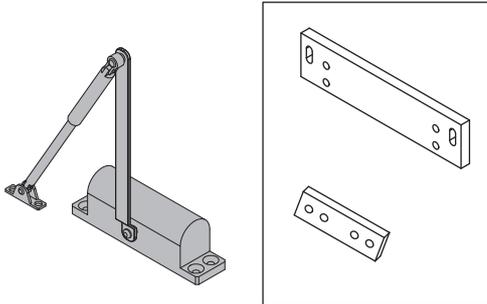
Diecast used to connect profile rail with friction strip.
压铸角铝用于连接滑道型材及摩擦条组时,需一面去槽牙。
Material: Die cast aluminium
材质: 压铸铝合金



Description 描述	Fastening Set 紧固组件	Mass 重量(g)	Part No. 订购编号
Die cast bracket-PG40-40x40 (set D) 压铸角铝-40系列-40x40 (成套供货D)	2xD	92	3.21.40.4040.STD

Door Shutter
 闭门器

Door shutter is used on swing door and it makes door closed automatically.
 闭门器用于平开门上,可实现自动关门。



HH	Fastening Set	HJ	Fastening Set	HK	Fastening Set	HL	Fastening Set
	M6x20 Bolt zinc plated		M6x14 Bolt zinc plated		M6x10 Bolt zinc plated		M6x20 Bolt zinc plated
	M6 Washer zinc plated						M6 Washer zinc plated
	M6 T Nut nickel plated						

Description 描述	Fastening Set 紧固组件	Part No. 订购编号
Door Shutter for Protective Grille Unit 闭门器组-防护网单元	2xHH+4xHJ+2xHK+2xHL	PNDH.DS.ST
Door Shutter for Clamping Profile Unit 闭门器组-防护罩单元	4xHH+4xHJ+2xHK	PPDH.DS.ST

× Strut profile used on swing door constructed with meshes need to be tapped with 2 pcs of M6X15 screw when using door shutter.
 网系列平开门使用闭门器时门上型材需加工M6X15螺纹孔2个。

Safety Lock
 安全锁

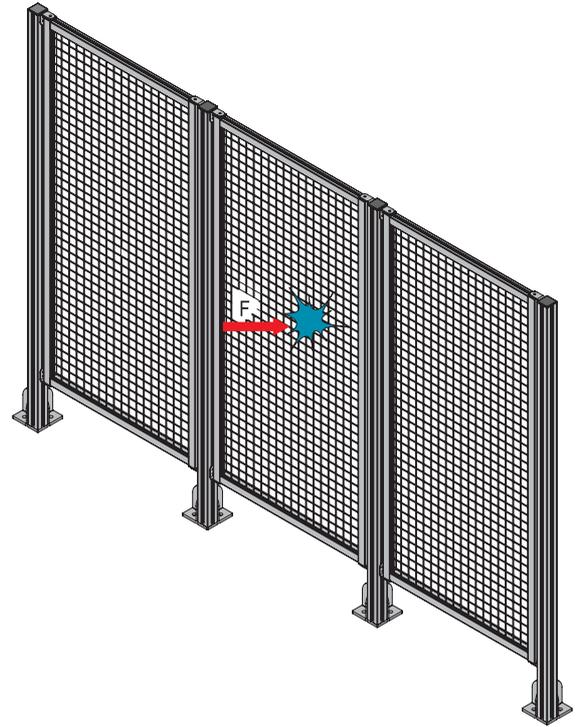
Integrated Euchner safety lock to guarantee a high reliability. For more detail, please refer to EUCHNER catalogues.
 集成的安全锁,使整个机械防护系统更安全,更可靠。



Description 描述	Part No. 订购编号
Safety Lock 安全锁	PBDH.SL

Load Capacity of Machine Guard (PG40) 机械防护的负载能力 (40 系列)

The special fastening structure design gives the machine guard system a higher capacity of load. An excess load will generate a temporary deformation. When the excess load is removed, it will come back to its initial state. Here after is the value of F-the maximal excess load.
 防护型材的特殊夹紧结构设计使整个防护围栏具有更高的负载能力.在承受一定的负载时防护网会产生变形,当撤掉负载后防护网会自动弹到初始状态,以下数据为实际测试得出,F max为防护围栏可承受的最大载荷。

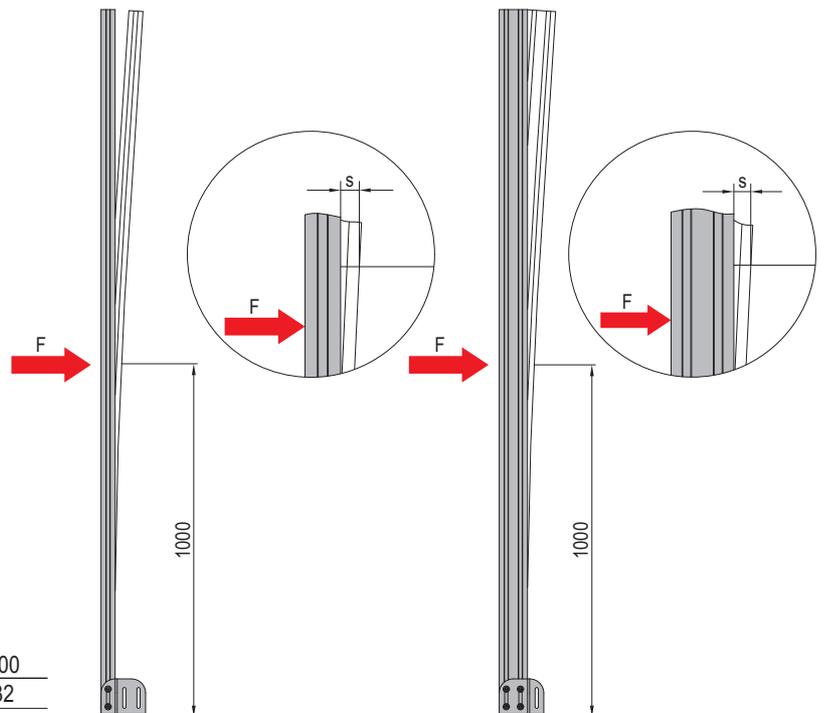


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	H(mm)	W(mm)	F(N)
PN40.18000420.STA.01	1800	420	1500
PN40.18000670.STA.01	1800	670	1000
PN40.18000920.STA.01	1800	920	800

Load Capacity of Strut Element (PG40) 立柱单元的负载能力 (40 系列)

The force needed to excure the machine guard system strut elements, was determined in a series of tests as following.
 当外力作用于紧固在地面上的机械防护系统立柱单元时,型材将产生变形,测试后变形量如下:



F[N]	100	150	300	450	600
s[mm] 45x45	6	10	14	23	32
45x90	3	4.5	7.5	13.5	20

Assembly of Protective Grille Unit
防护网单元安装

Assembly of spring clamping nut
夹板弹片安装

Assembly:

安装方法:

1. Preassemble the frame.
2. Place spring clamping nut on panel. One element in each corner prevents the panels from rattling.
3. Insert panel in the preassembled frame.
4. Mount the frame.

1. 预装框架

2. 将夹板弹片安装在板材上，在每个角安装一个夹板弹片，以防止板材的串动。

3. 将安装过夹板弹片的板材安装在预装好的框架上。

4. 紧固框架。

Disassembly:

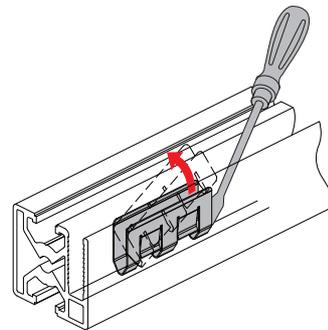
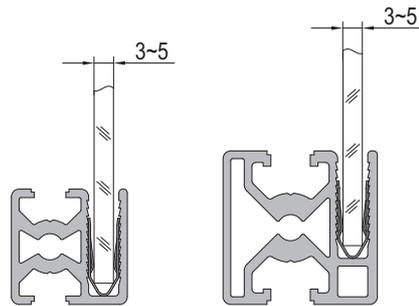
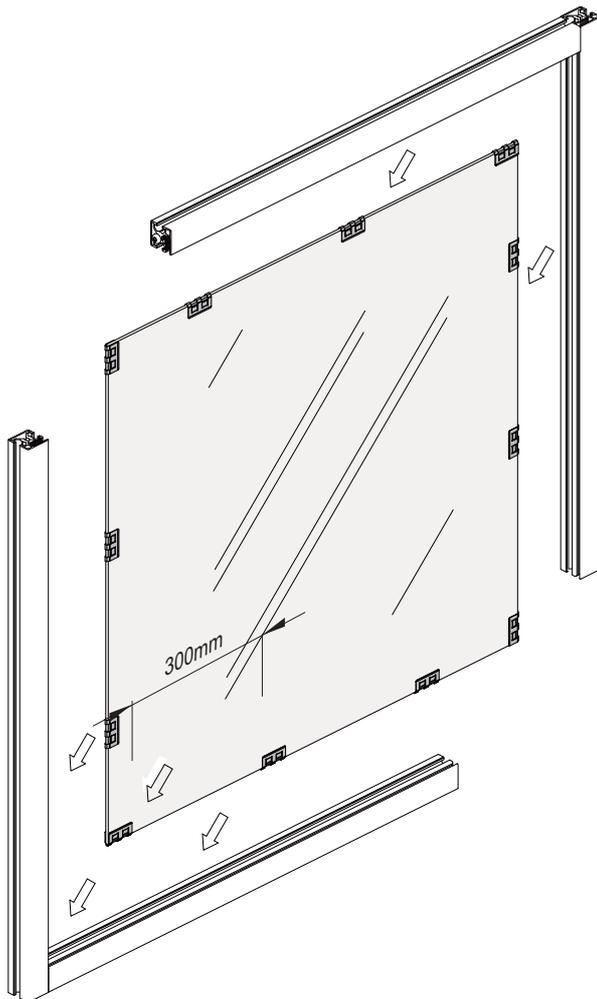
拆卸方法:

1. Disassemble the frame.
2. Remove panel.
3. Remove the spring clamping nuts in the groove using a screwdriver.

1. 拆卸框架。

2. 移除板材。

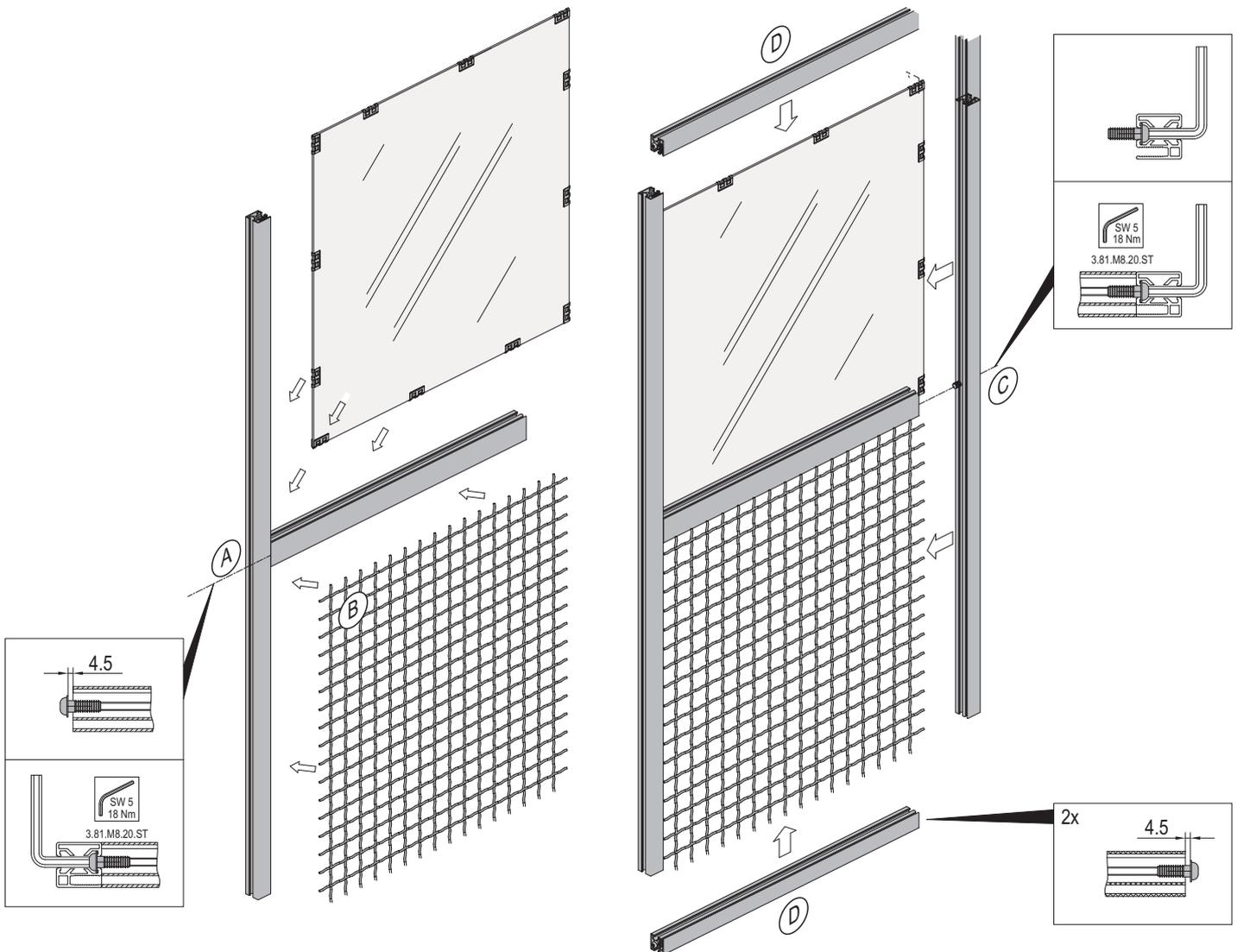
3. 使用螺丝刀移除留在型材中的夹板弹片。



Assembly of Protective Grille Unit 防护网单元安装

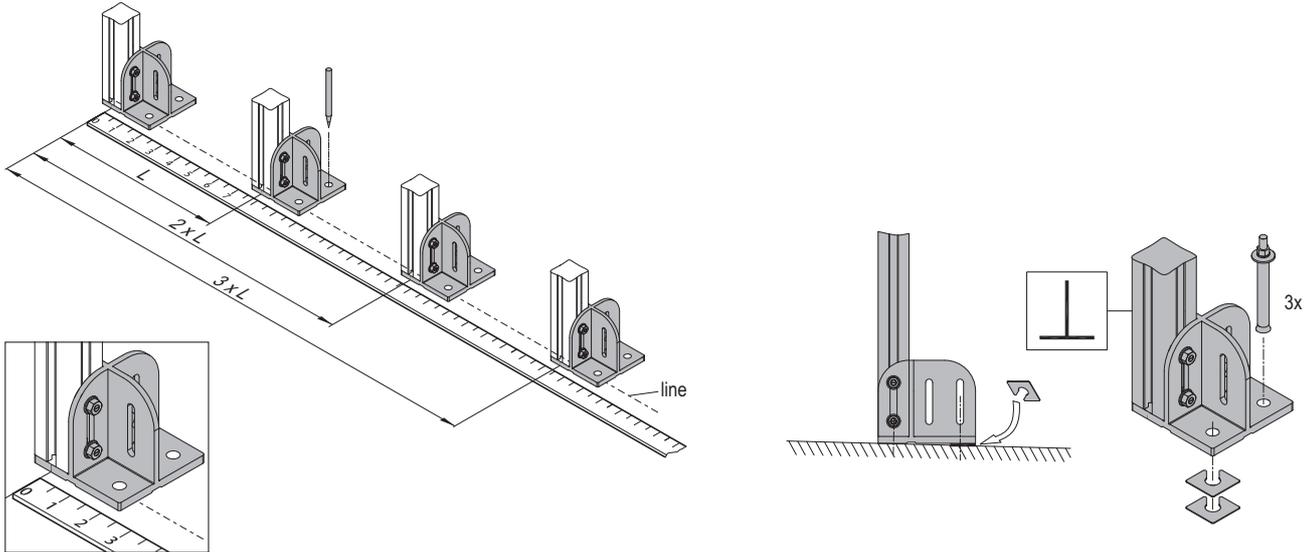
Assembly of Protective Frames 防护网单元框架安装

1. Make a "T" out of protective grille profile (take 40x40 protective grille profile as example), then preassemble screw connector (3.81.M8.20.ST) as figure A indicated.
 2. Insert woven wire mesh or panel into the corner as figure B indicated.
 3. Slide the screw connectors into the profile groove and tighten loosely as figure C indicated.
 4. Insert outer profiles as figure D indicated.
 5. Tighten all screws.
1. 使用防护网型材搭接成“T型”(以4040防护网型材为例)依图示尺寸预装螺栓连接件(3.81.M8.20.ST), 如图A。
 2. 将编织网或预装过夹板弹片的板材装入框架, 如图B。
 3. 将螺栓连接件滑入侧面防护网型材槽口中, 将螺栓连接件装入T型框架上, 但不锁紧, 如图C。
 4. 将预装过螺栓连接件的上下两侧型材装入框架中, 如图D。
 5. 锁紧所有螺栓连接件。



Assembly of Strut Element
立柱单元安装

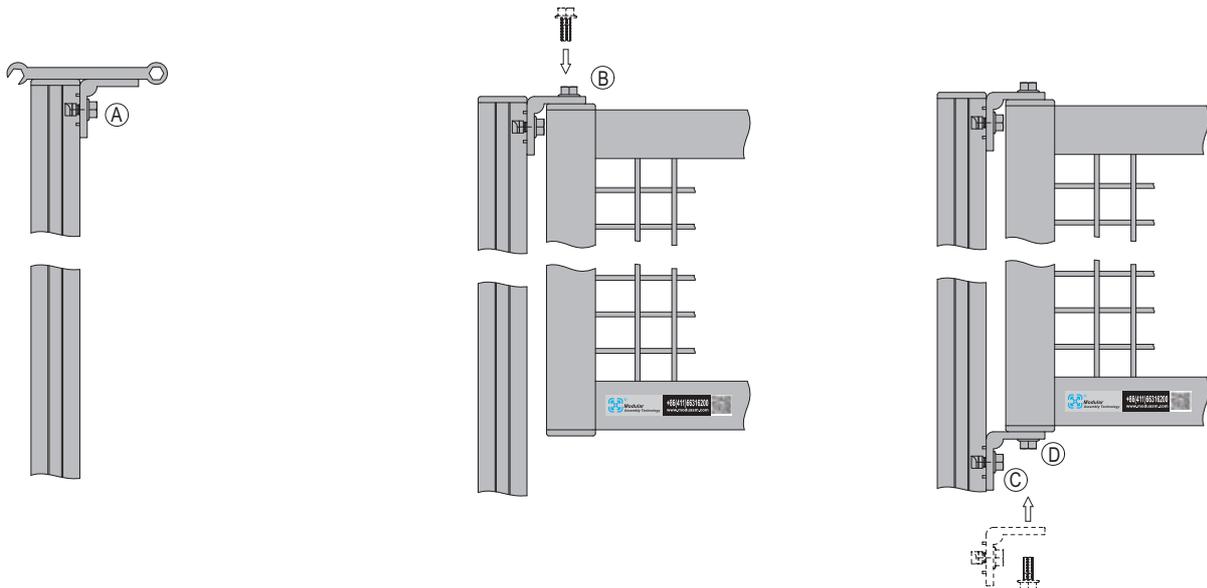
For constructing machine guard strut elements. Enables you to draw straight lines on the floor for aligning and positioning supports quickly and easily.
在安装机械防护系统立柱单元时，使用工具在地面上画出一条直线后，按照间距要求画出立柱单元的定位位置，再进行定位固定安装。



A gasket will be needed to adjust vertical alignment on uneven floor.
如果安装地面不是水平面时，可以通过增加垫片调整立柱单元垂直。

Assembly of Protective Grille Unit
防护网单元安装

1. Mount the connecting elements by positioning tool, and then fasten the screw A.
 2. Attach the connecting elements to protective grille unit, mount the screw B.
 3. Attach the lower connecting elements to protective grille unit, and then fasten screw C.
 4. Mount the screw D on the protective grille unit, and then fasten the screw to finish assembly work.
1. 使用工具定位安装连接组件，并锁紧螺栓A。
2. 将防护单元安装到连接组件上，安装螺栓B并锁紧。
3. 如图所示安装防护单元下方的连接组件，并锁紧螺栓C。
4. 将螺栓D安装到防护单元上，并锁紧，完成安装。





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Machine Guard System