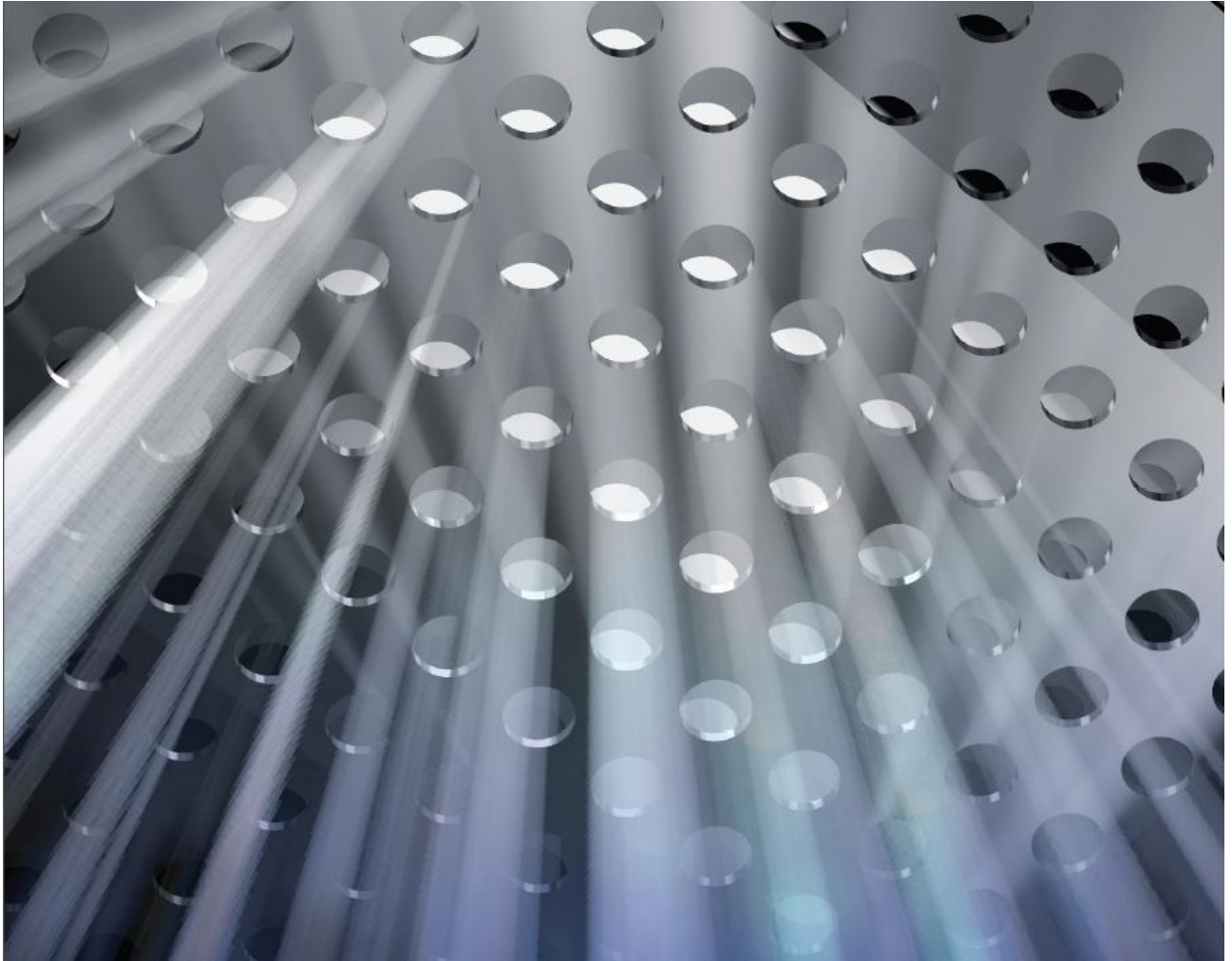




3D Welding Fixture

三维焊接工装



Shanghai Strong Tool
Manufacturing Co., Ltd.
上海强弓焊接装备制造有限公司

About us

公司简介

Shanghai Strong Tool Manufacturing Co., Ltd. specializes in designing, manufacturing 3D universal welding fixtures, welding ancillary products and to undertake welding product R&D and processing.

We have professionals in technology R&D of cold and thermal processing, production and management,. Our company owns advanced CNC gantry machining center and other processing equipment.

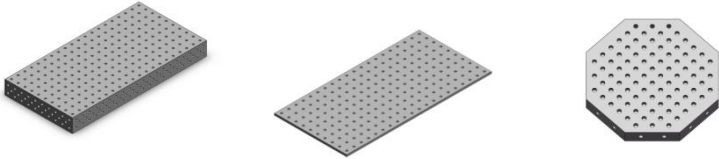
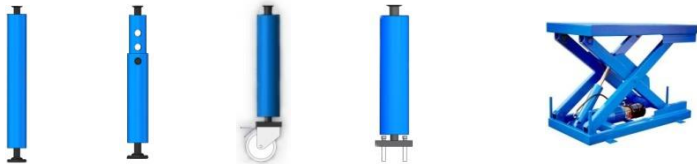
We offer our customers a good pre-sales and after-sales service. Our company has a welding fixtures demo and training center to provide users a professional and technical training. All of our staff will dedicate customer service and continue to strengthen communication and cooperation with all parties. Provide users with the most complete welding products and technical services.

上海强弓焊接装备制造有限公司是一家专业设计、制造三维焊接夹具、焊接辅助产品并承接焊接产品研发和加工的企业。公司拥有专业的冷热加工、生产、管理技术研发人员。

公司拥有先进的数控龙门加工中心等加工设备。

我们为客户提供良好的售前和售后服务。我公司设有焊接夹具演示和培训中心，为用户提供专业的技术培训。我们全体员工将竭诚为客户服务，继续加强与各方的沟通与合作。为用户提供最完善的焊接产品和技术服务。



INDEX 目录		
Table 台面		4-10
Leg 支撑脚		11-12
Angle 角钢		13-19
Block 定位块		20-25
Stop 定位板		26-33
Bolt 锁紧销		34-38
Clamp 夹具		39-52
Support 支撑件		53-57
Accessories 其他配件		58-64

Make your work easier 使您的工作更轻松

Through the modular idea, you can set up complex and precise fixtures in short time. It is economical for both R&D and production runs.

通过模块化的思想，您可以在短时间内设置复杂和精确的夹具。由此极力精简研发和生产过程。

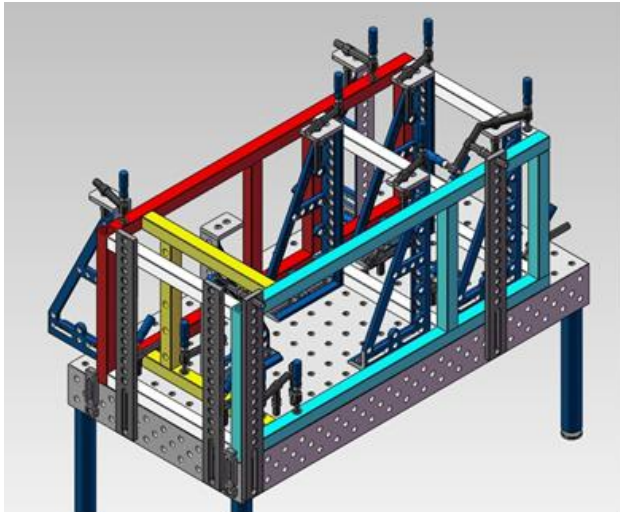
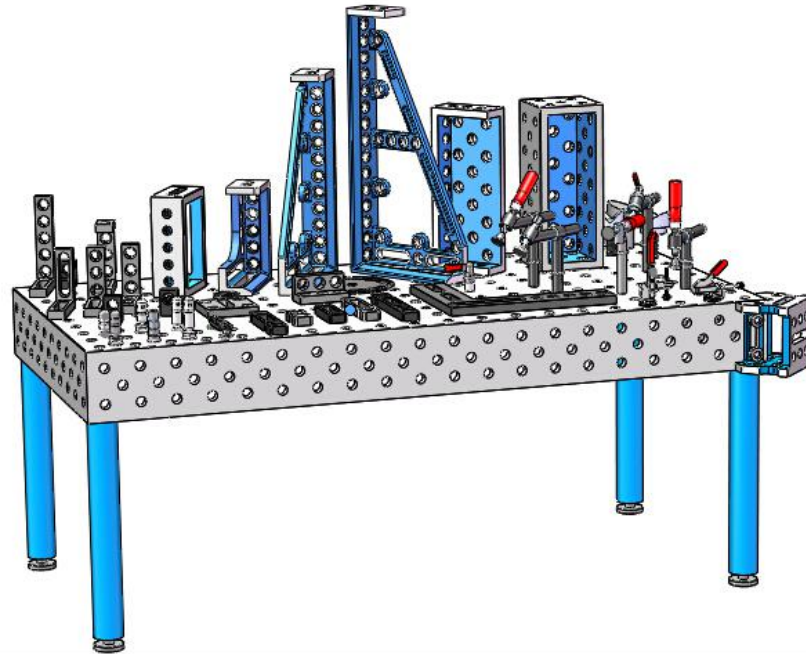
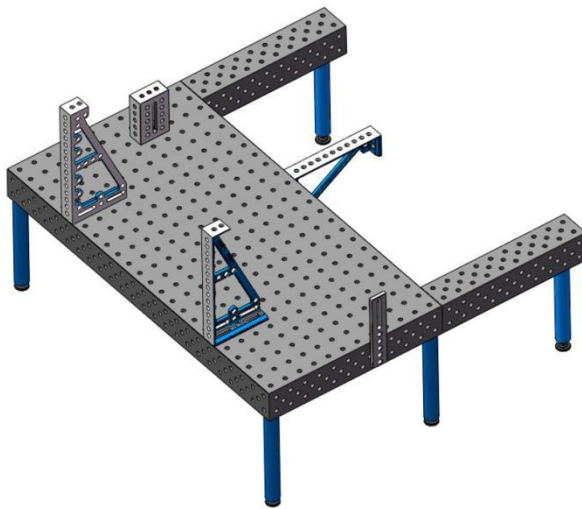


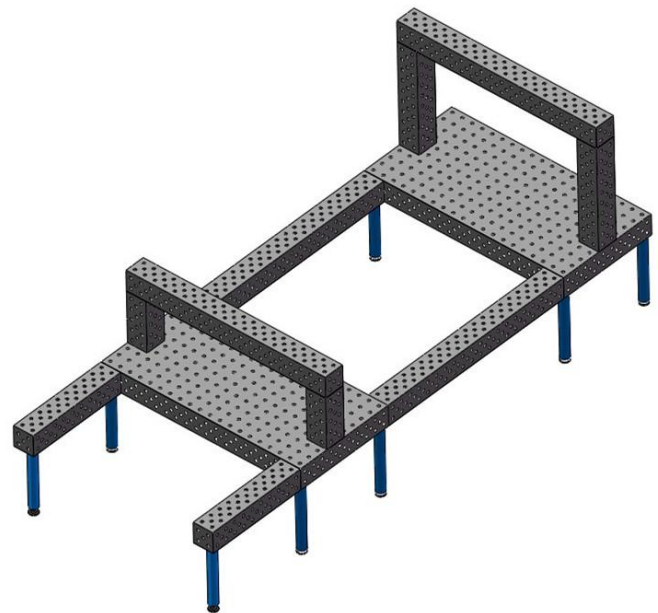
Table is a basic part of the fixture. It is a structure in the form of grid bores. According to diameter of bores, it is offered in two sizes 28 and 16 series. Table has five surfaces to be extended in five directions. There are variety of specifications. The smallest size is 1000 × 500mm, the largest for the 4000 × 2000mm.

工作台是三维工装的基本组成部分。它是一种网格孔形式的结构。根据孔的直径，有 28 号和 16 号两种型号。工作台有五个面要向五个方向延伸。台面有各种规格。最小的尺寸是 1000 × 500mm，最大的是 4000 × 2000mm。



*Table and table can be connected
Together for large workpiece.
可以通过连接台面夹紧大型工件*

*Table can be extended by some
modules
台面可以通过模块延伸*

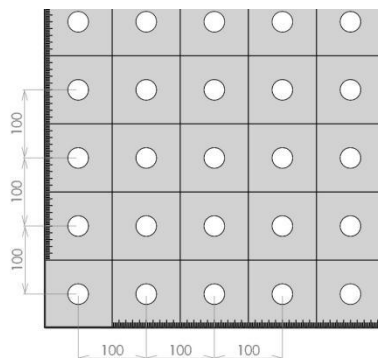
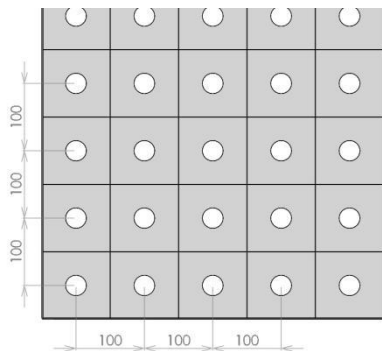


28

Table 台面

3 Dimension Table 三维台面

N Series N 系列



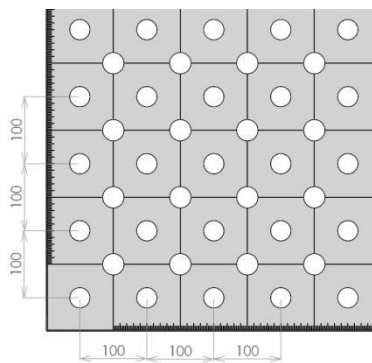
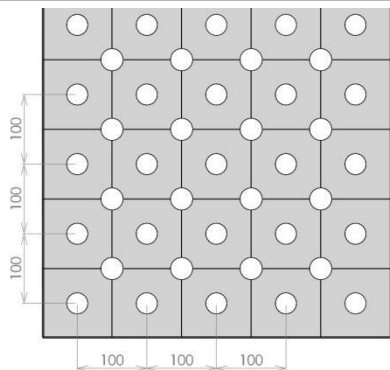
Size 尺寸 (mm)	N.W.净重 (kg)	B type 28-	D type 28-	H type 28-	HD type 28-	SHD type 28-
1000x1000	310	N28-01010-000	N28-01010-100	N28-01010-020	N28-01010-120	N28-01010-130
1200x1200	448	N28-01212-000	N28-01212-100	N28-01212-020	N28-01212-120	N28-01212-130
1500x1000	485	N28-01510-000	N28-01510-100	N28-01510-020	N28-01510-120	N28-01510-130
1500x1500	673	N28-01515-000	N28-01515-100	N28-01515-020	N28-01515-120	N28-01515-130
2000x1000	613	N28-02010-000	N28-02010-100	N28-02010-020	N28-02010-120	N28-02010-130
2400x1200	867	N28-02412-000	N28-02412-100	N28-02412-020	N28-02412-120	N28-02412-130
3000x1500	1258	N28-03015-000	N28-03015-100	N28-03015-020	N28-03015-120	N28-03015-130
4000x2000	2400	N28-04020-000	N28-04020-100			

28

Table 台面

3 Dimension Table 三维台面

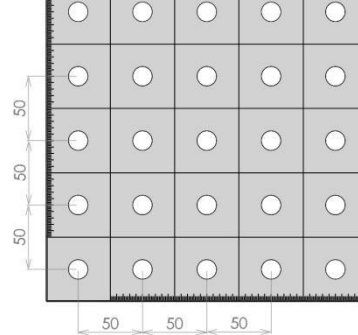
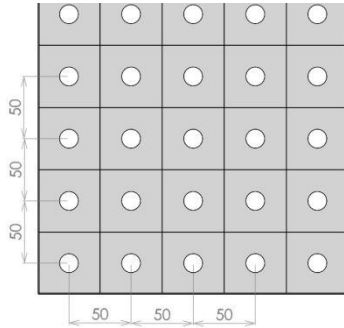
P Series P 系列



Size 尺寸 (mm)	N.W 净重 (kg)	B type 28-	D type 28-	H type 28-	HD type 28-	SHD type 28-
1000x1000	344	P28-01010-001	P28-01010-101	P28-01010-021	P28-01010-121	P28-01010-131
1200x1200	482	P28-01212-001	P28-01212-101	P28-01212-021	P28-01212-121	P28-01212-131
1500x1000	519	P28-01510-001	P28-01510-101	P28-01510-021	P28-01510-121	P28-01510-131
1500x1500	707	P28-01515-001	P28-01515-101	P28-01515-021	P28-01515-121	P28-01515-131
2000x1000	626	P28-02010-001	P28-02010-101	P28-02010-021	P28-02010-121	P28-02010-131
2400x1200	901	P28-02412-001	P28-02412-101	P28-02412-021	P28-02412-121	P28-02412-131
3000x1500	1309	P28-03015-001	P28-03015-101	P28-03015-021	P28-03015-121	P28-03015-131
4000x2000	2451	P28-04020-001	P28-04020-101			

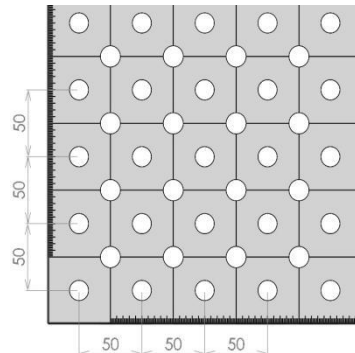
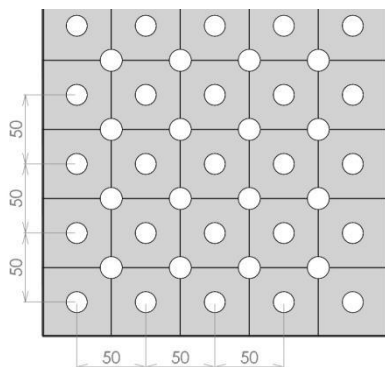
Other special specifications can be ordered 其他特殊规格可订购

N Series N 系列



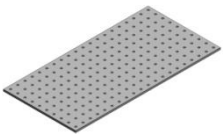
Size 尺寸 (mm)	N.W.净重 (kg)	B type 16-	D type 16-	H type 16-	HD type 16-	SHD type 16-
1000×500	76	N16-01005-000	N16-01005-100	N16-01005-020	N16-01005-120	N16-01005-130
1000x1000	144	N16-01010-000	N16-01010-100	N16-01010-020	N16-01010-120	N16-01010-130
1200x1200	174	N16-01212-000	N16-01212-100	N16-01212-020	N16-01212-120	N16-01212-130
1500x1000	188	N16-01510-000	N16-01510-100	N16-01510-020	N16-01510-120	N16-01510-130
1500x1500	326	N16-01515-000	N16-01515-100	N16-01515-020	N16-01515-120	N16-01515-130
2000x1000	252	N16-02010-000	N16-02010-100	N16-02010-020	N16-02010-120	N16-02010-130
2400x1200	354	N16-02412-000	N16-02412-100	N16-02412-020	N16-02412-120	N16-02412-130

P Series P 系列



Size 尺寸 (mm)	N.W.净重 (kg)	B type 16-	D type 16-	H type 16-	HD type 16-	SHD type 16-
1000×500	113	P16-01005-001	P16-01005-101	P16-01005-021	P16-01005-121	P16-01005-131
1000x1000	181	P16-01010-001	P16-01010-101	P16-01010-021	P16-01010-121	P16-01010-131
1200x1200	211	P16-01212-001	P16-01212-101	P16-01212-021	P16-01212-121	P16-01212-131
1500x1000	225	P16-01510-001	P16-01510-101	P16-01510-021	P16-01510-121	P16-01510-131
1500x1500	363	P16-01515-001	P16-01515-101	P16-01515-021	P16-01515-121	P16-01515-131
2000x1000	289	P16-02010-001	P16-02010-101	P16-02010-021	P16-02010-121	P16-02010-131
2400x1200	417	P16-02412-001	P16-02412-101	P16-02412-021	P16-02412-121	P16-02412-131

2 Dimension Table 二维台面

	Size 尺寸 (mm)	N.W 净重. (kg)	B type 28-	D type 28-	H type 28-	HD type 28-
	1000x1000	186	11010-000	11010-100	11010-020	11010-120
	1200x1200	276	11212-000	11212-100	11212-020	11212-120
	1500x1500	420	11515-000	11515-100	11515-020	11515-120
	2000x1000	386	12010-000	12010-100	12010-020	12010-120
	2400x1200	566	12412-000	12412-100	12412-020	12412-120
	1000x1000	220	11010-001	11010-101	11010-021	11010-121
	1200x1200	310	11212-001	11212-101	11212-021	11212-121
	1500x1500	488	11515-001	11515-101	11515-021	11515-121
	2000x1000	420	12010-001	12010-101	12010-021	12010-121
	2400x1200	600	12412-001	12412-101	12412-021	12412-121

More dimensions on request..更多尺寸敬请咨询

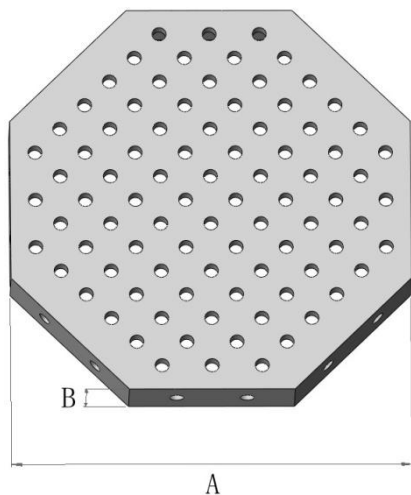
28

Table 台面

16

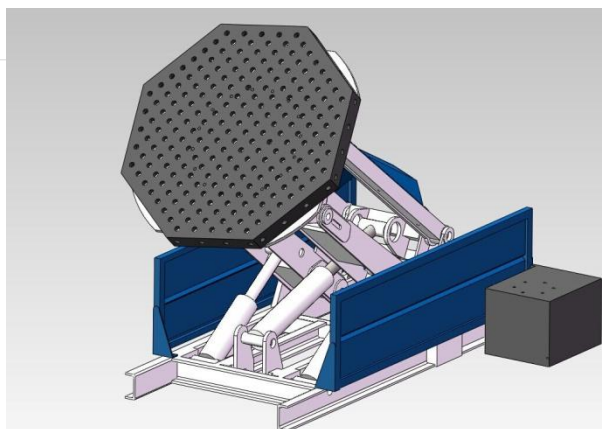
Polygon Table 多边形台面

Octagonal Platform 多边形台面



Description 描述

- Mainly used on a positioner of a robot cell.
- 9 sides for clamp, the fixturing are the same as the 3D table.
- More dimensions on request
- Connection size of the positioner is need before order.
- 主要用于机器人单元的定位器。
- 9 面夹紧，夹具固定方式与三维台面相同。
- 根据要求提供更多尺寸
- 定货前需要定位器的连接尺寸。



Description 八角形平台

A × B

Weight 重量

Item no.编号

Octagonal Platform Diagonal SW 600

SW 600×100

100

28-10600-000

Octagonal Platform Diagonal SW 800

SW 800×100

160

28-10800-000

Octagonal Platform Diagonal SW 1000

SW 1000×100

240

28-11000-000

Octagonal Platform Diagonal SW 1200

SW 1200×100

360

28-11200-000

Octagonal Platform Diagonal SW 600

SW 600×100

50

16-10600-000

Octagonal Platform Diagonal SW 800

SW 800×100

80

16-10800-000

Octagonal Platform Diagonal SW 1000

SW 1000×100

120

16-11000-000

Octagonal Platform Diagonal SW 1200

SW 1200×100

180

16-11200-000

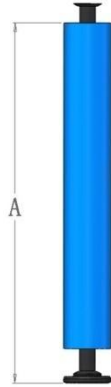
28

Legs 脚

16

Table Legs 桌脚

Table Legs 桌脚



Standard
标准



Telscoping
可伸缩



Wheel
带轮



Anchored
固定

Description 描述

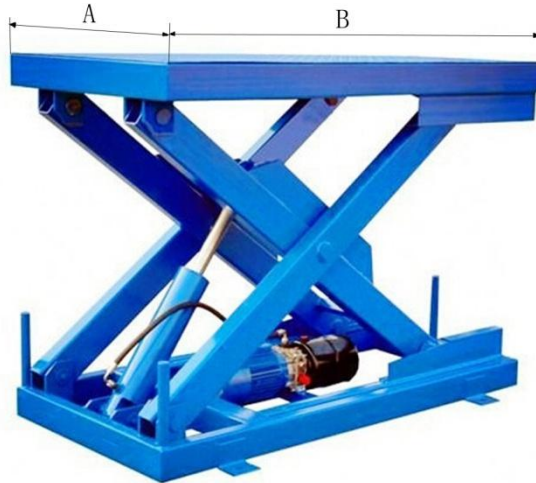
- All types of feet can be adjusted height $\pm 30\text{mm}$.
- Standard leg or anchored leg load is greater than 5 tons.
- Telscoping legs load is greater than 3 tons.
- Wheel leg max. load is 500 kg.
- 2.4m*1.2m table has 4 legs.
- 3m*1.5m table has 6 legs.
- More dimensions on request

- 所有类型的脚可调整高度 30mm。
- 标准腿或固定腿载荷大于 5 吨。
- 伸缩腿载荷大于 3 吨。
- 带轮最大负载为 500 公斤。
- 2.4 米*1.2 米台面有四条腿。
- 3 米*1.5 米台面有 6 条腿。
- 根据要求提供更多尺寸

Description 脚	A	Weight 重量	Item no.编号
Standard Leg 标准脚	650 $\pm$ 30	8.44	00-B0010-001
Standard Leg 标准脚	750 $\pm$ 30	9.24	00-B0010-011
Telscoping Leg 可伸缩	(550-900) $\pm$ 30	10.5	00-B0010-002
Wheel Leg with (without) Brake 带轮	650 $\pm$ 30	11.40 (10.70)	00-B0010-003(013)
Wheel Leg with(without) Brake 带轮	750 $\pm$ 30	12.20 (11.50)	00-B0010-023(033)
Anchored Leg 固定	650 $\pm$ 30	9.90	00-B0010-004

Hydraulic Lift 液压升降平台

NEW

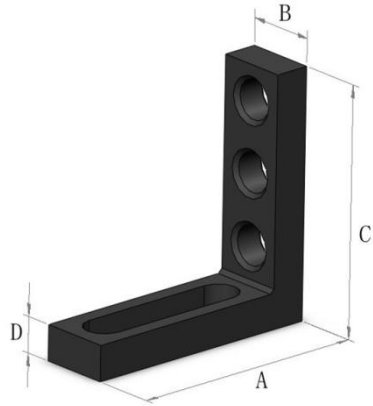


Description 描述

- Match with the table, lift to any comfortable working position.
- Max. load: 2, 3, 4.5 tons;
Or according to the need of the use configuration.
- Equipped with high performance of hydraulic pump station and electric control system.
- Further demensions on request
- 与工作台配合，升降到任何合适的工作位置。
- 最大负载:2、3、4.5 吨;或根据使用需要配置。
- 配置高性能液压泵站和电气控制系统。
- 更多尺寸请咨询

Description 液压升降平台	A×B	Weight 重量	Item no.编号
Hydraulic lift payload 2000 kg, height from 320 – 1220mm 液压举升载荷 2000 公斤，高度 320-1220mm	1300×1000	600	28-B1310-005
Hydraulic lift payload 3000 kg, height from 350 – 1550mm 液压举升载荷 3000 公斤，高度 350-1550mm	1800×1800	800	28-B1818-005
Hydraulic lift payload 4500 kg, height from 580 – 2080mm 液压举升载荷 4500 公斤，高度 580-2080mm	2500×1500	1500	28-B2515-005

2 Sided Locating Angle 双面定位角钢



Description 描述

- Commonly used angle.
- 2 sided locating and clamping.
- Many located options by combining the bores and slot.
- Can be a height adjustable surface by clamping the oblong slot.
- Black oxide finish.
- Precision scales on request.
- Optional: surface hardening treatment, stainless steel material.

- 常用角度。
- 2 侧定位和夹紧。
- 许多定位选项通过组合孔和槽。
- 可通过夹紧长方槽来调节表面高度。
- 黑色氧化处理。
- 可根据要求进行精确测量。
- 可选配表面硬化处理，不锈钢材质。



Description 双面平角钢 孔	A×B×C×D	Weight 重量	Item no.编号
2 Sided Angle L175 Bores / Slot	175×50×175×25	2.02	28-30175-000
2 Sided Angle L175 Slot / Slot	175×50×175×25	1.74	28-30175-001
2 Sided Angle L175 Bores / Bores	175×50×175×25	2.34	28-30175-002
2 Sided Angle L90 Bores / Slot	90×25×90×12	0.24	16-30090-000
2 Sided Angle L90Slot / Slot	90×25×90×12	0.20	16-30090-001
2 Sided Angle L90 Bores / Bores	90×25×90×12	0.28	16-30090-002

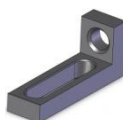
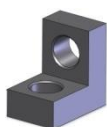
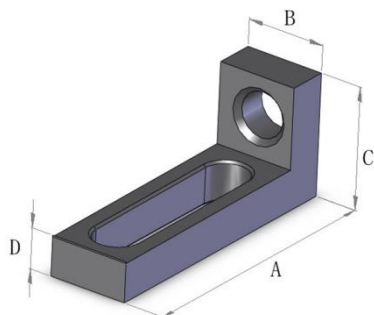
28

Angle 角钢

16

Two Work Sides 双面

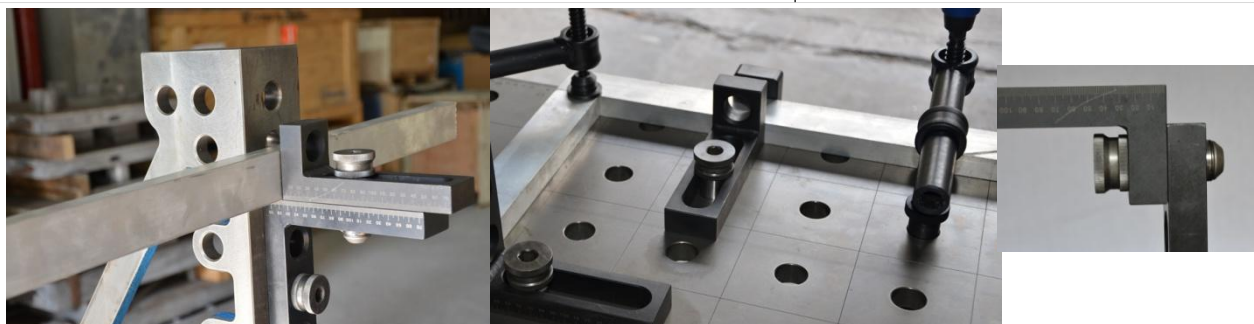
2 Sided Locating Angle Small 小型双面定位角钢



Description 描述

- Commonly used angle.
- 2 sided locating and clamping.
- Many located ways by combining the bores and slot.
- Can be a height adjustable surface by clamping the oblong slot.
- Black oxide finish.
- Precision scales on request.
- Optional: surface hardening treatment, stainless steel material.

- 常用角度。
- 2 侧定位和夹紧。
- 许多定位方式，通过组合孔和槽。
- 可通过夹紧长方槽来调节表面高度。
- 黑色氧化处理。
- 可根据要求进行精确测量。
- 可选配:表面硬化处理，不锈钢材质。



Description 双面角钢 孔	A×B×C×D	Weight 重量	Item no.孔
2 Sided Angle L75 Bore / Bore	75×75×50×25	0.98	28-30075-000
2 Sided Angle L175 Bore / Slot	175×50×75×25	1.40	28-30175-003
2 Sided Angle L37.5 Bore / Bore	37.5×37.5×25×12	0.12	16-30037-000
2 Sided Angle L90 Bore / Slot	90×25×37.5×12	0.16	16-30090-003

28

Angle 角钢

16

Two Work Sides 双面

2 Sided Locating Angle 双面定位角钢



Description 描述

- Commonly used angle.
- 2 sided locating and clamping.
- Many located ways by combining the bores and slot.
- Can be a height adjustable surface by clamping the oblong slot
- Can be a table extension for light workpiece.
- For high workpiece.
- Black oxide finish.
- Precision scales on request.
- Optional: surface hardening treatment.
- 常用角度。
- 2 侧定位和夹紧。
- 许多定位方式，通过组合孔和槽。
- 可通过夹紧长方槽实现高度可调的表面
- 可作为轻型工件工作台的加长件。
- 用于高工件。
- 黑色氧化处理。
- 可根据要求进行精确测量。
- 可选:表面硬化处理。



Description 双面角钢孔	A×B×C×D	Weight 重量	Item no.编号
2 Sided Angle L275 Bores / Slot	175×50×275×25	2.74	28-30275-000
2 Sided Angle L500 Bores / Slot	200×75×500×25	9.70	28-30500-004
2 Sided Angle L140 Bores / Slot	90×25×140×12	0.32	16-30140-003
2 Sided Angle L300 Bores / Slot	150×50×300×12	2.13	16-30300-004
2 Sided Angle L500 Bores / Slot	150×50×500×12	3.00	16-30500-004

28

Angle 角钢

16

Three Work Sides 三面

3 Sided Locating Angle 三面定位角钢



Description 描述

- 3 sided locating and clamping.
- Many located ways by combining the bores and slot.
- Can be a height adjustable surface by clamping the oblong slot.
- Can be a table extension for light workpiece.
- For high workpiece.
- Black oxide finish.
- Precision scales on request.
- Optional: surface hardening treatment.

- 3 侧定位和夹紧。
- 通过组合孔和槽定位方式。
- 可通过夹紧长方槽来调节表面高度。
- 可作为轻型工件工作台的加长件。
- 用于高工件。
- 黑色氧化处理。
- 可根据要求进行精确测量。
- 可选:表面硬化处理。



Description 三面角钢顶部带孔

A×B×C×D×E

Weight 重量

Item no.编号

3 Sided Angle L200, Top one bore.

175×50×200×25×75

2.70

28-30200-001

3 Sided Angle L200, Top two bores.

175×50×200×25×125

2.90

28-30200-002

3 Sided Angle L300, Top two bores.

225×50×300×25×125

3.80

28-30300-002

3 Sided Angle L150, Top one bore.

90×25×150×25×35

0.65

16-30150-001

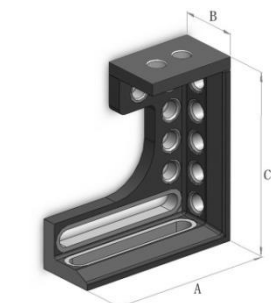
28

Angle 角钢

16

Four Work Sides 四面

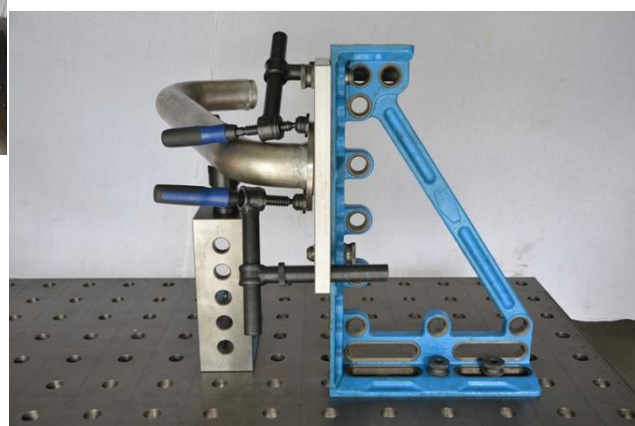
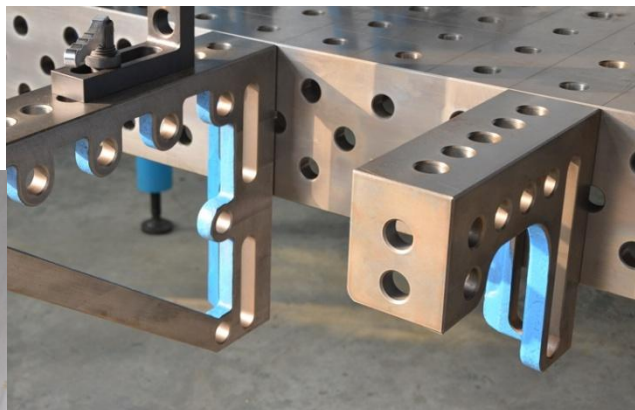
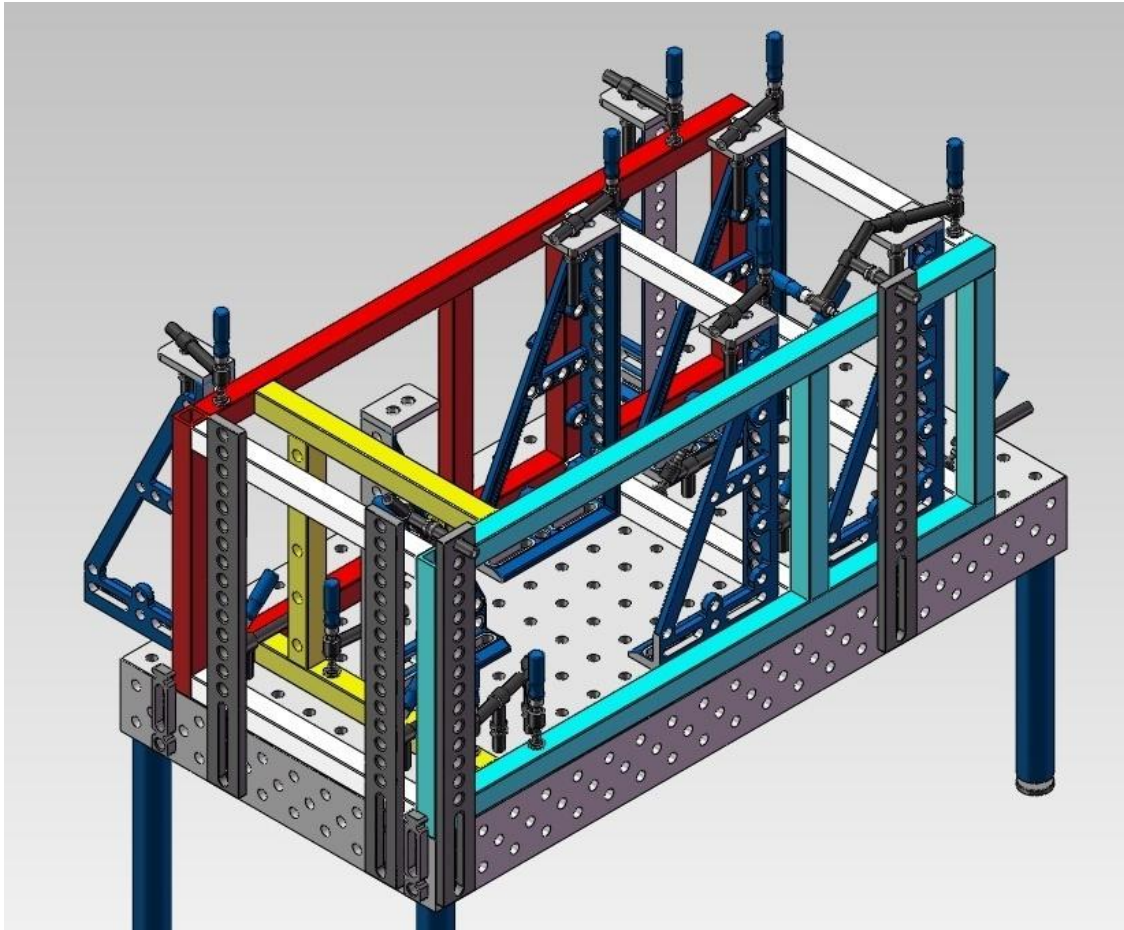
4 Sided Locating Angle 四面定位角钢



Description 描述

- Multiduty angle.
- 4 support surfaces for locating and clamping.
- Multiple adjustment by combining the bores and slot.
- Can be a stop and table extension for heavy workpiece.
- Precision scales on request.
- Ordering in pairs is recommended.
- Material: QT500;
Tensile Strength: 500MPa.
- Surface hardening treatment.
- 多用角。
- 4 个定位和夹紧支撑面。
- 结合孔槽进行多重调整。
- 可以是一个停止和表扩展为重型工件。
- 可根据要求进行精确测量。
- 建议成对订购。
- 材料:QT500;
- 抗拉强度:500 mpa。
- 表面硬化处理。

Description 四面定位角钢	A×B×C	Weight 重量	Item no.编号
4 Sided Locating Angle L300, Right	275×100×300	11.10	28-30300-020
4 Sided Locating Angle L300, Left	275×100×300	11.10	28-30300-021
4 Sided Locating Angle L600, Right	375×100×600	19.54	28-30600-020
4 Sided Locating Angle L600, Left	375×100×600	19.54	28-30600-021
4 Sided Locating Angle L800, Right	375×100×800	24.40	28-30800-020
4 Sided Locating Angle L800, Left	375×100×800	24.40	28-30800-021
4 Sided Locating Angle L200, Right	137.5×50×200	1.70	16-30200-020
4 Sided Locating Angle L200, Left	137.5×50×200	1.70	16-30200-021
4 Sided Locating Angle L400, Right	187.5×50×400	3.58	16-30400-020
4 Sided Locating Angle L400, Left	187.5×50×400	3.58	16-30400-021
4 Sided Locating Angle L600, Right	187.5×50×600	5.20	16-30600-020
4 Sided Locating Angle L600, Left	187.5×50×600	5.20	16-30600-021



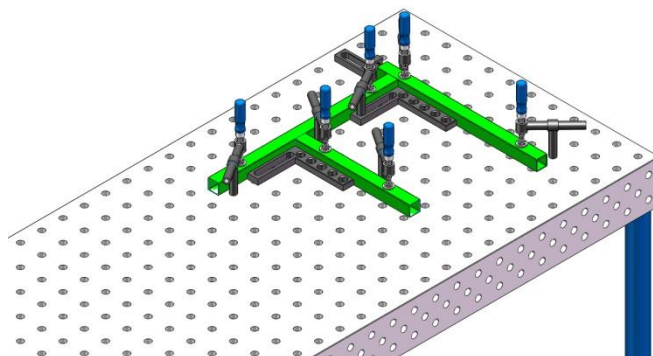
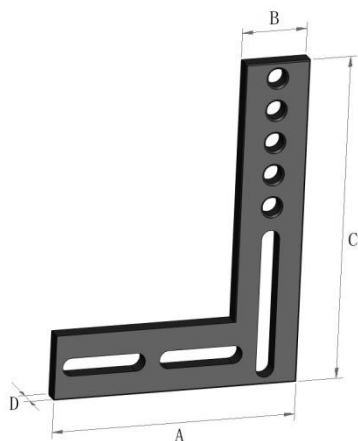
28

Angle 角钢

16

Flat Angle 平角钢

Flat Angle 平角钢



Description 描述

- Locating at 90° angles by interior and exterior.
- Multiple options by combining the bores and slots.
- Optional: surface hardening treatment.

- 按内外 90 度角定位。
- 通过组合孔和槽的多种选择。
- 可选:表面硬化处理。

Description 平角钢

A×B×C×D

Weight 重量

Item no.编号

Flat Angle 175

175×50×175×25

1.85

28-35175-000

Flat Angle 275

225×50×275×25

3.00

28-35275-000

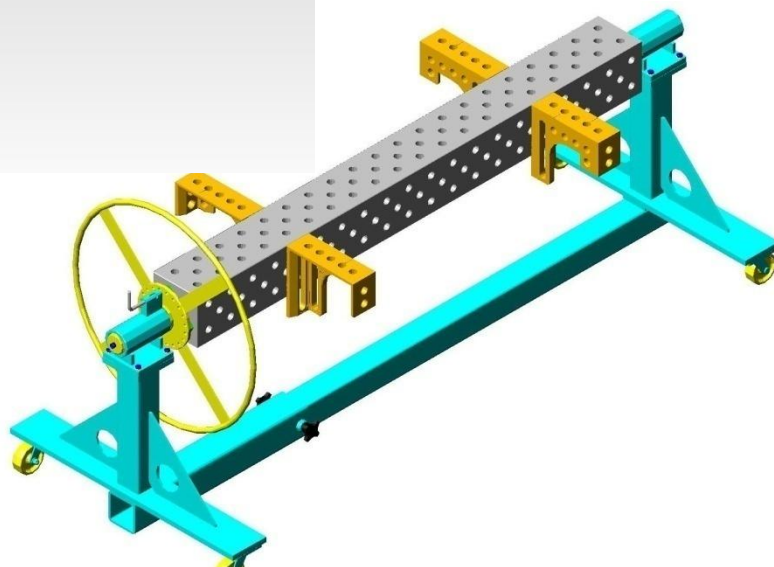
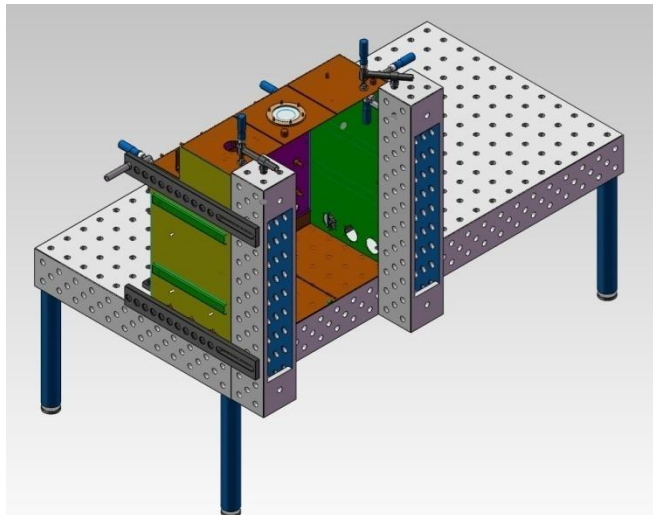
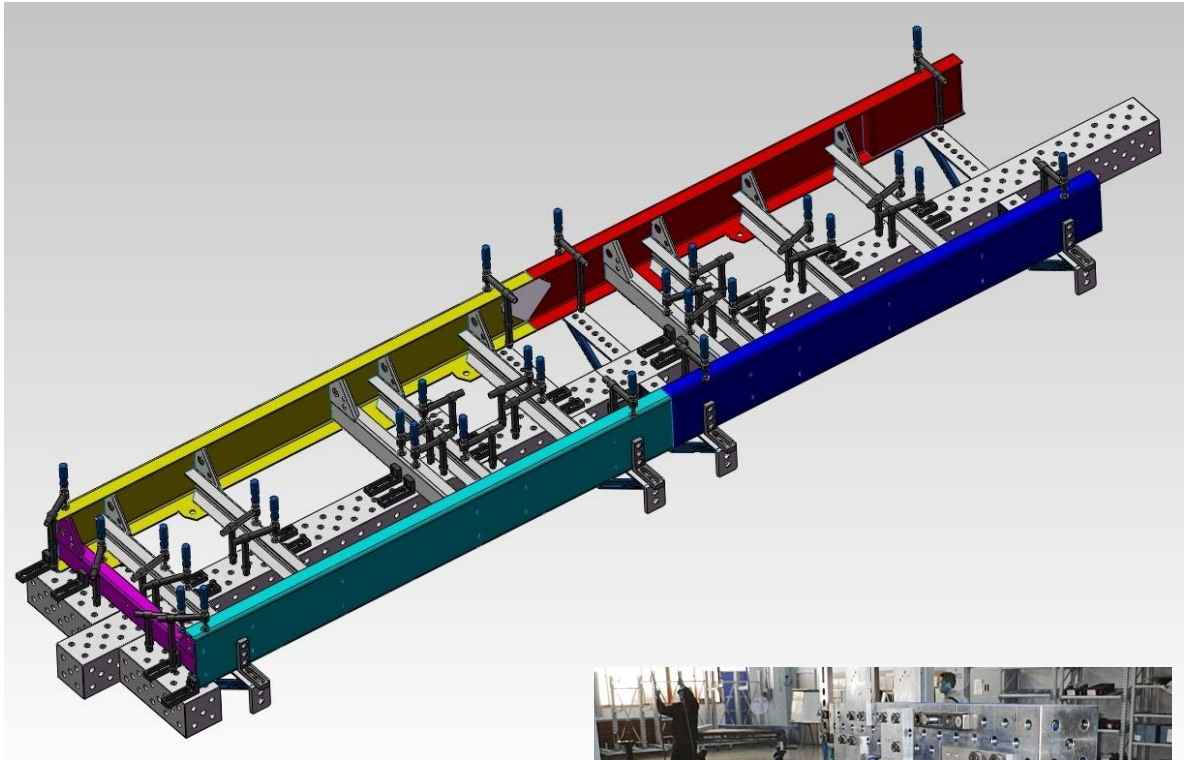
Flat Angle 325	225×50×325×25	3.50	28-35325-000
Flat Angle 500	375×100×500×25	11.84	28-35500-000
Flat Angle 250	187.5×50×250×12	1.46	16-35250-000

28

Block 定位块

16

Examples 案例



28

Block 定位块

16

U-shape Block U 型块

U-shape Block U 型块

— 5 sides support surfaces.

— Can be used for table extension. When as a cantilever frame, from 1000mm length need one table leg for support. When between two tables, from 2000mm length need one table leg for support.

— Can be used as height extension. Connect with several tables or other components.

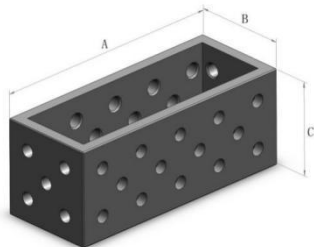
— Optional: surface hardening treatment.

-5 面支撑面。

-可用于表扩展。当作为悬臂框架时，从 1000mm 的长度需要一个桌腿来支撑。当两个桌子之间，从 2000 毫米长度需要一个桌子腿的支持。

-可作为高度的延伸。连接多个表或其他组件。

-可选:表面硬化处理。



Description 描述	A×B×C	Weight 重量	Item no.编号
U-shape Block 500×200 U 型块	500×200×200	55	28-40050-000
U-shape Block 1000×200 U 型块	1000×200×200	102	28-40100-000
U-shape Block 1200×200 U 型块	1200×200×200	120	28-40120-000
U-shape Block 1500×200 U 型块	1500×200×200	180	28-40150-000
U-shape Block 2000×200 U 型块	2000×200×200	200	28-40200-000
U-shape Block 2400×200 U 型块	2400×200×200	240	28-40240-000
U-shape Block 3000×200 U 型块	3000×200×200	285	28-40300-000
U-shape Block 4000×200 U 型块	4000×200×200	374	28-40400-000
U-shape Block 500×400 U 型块	500×400×200	81	28-40050-001
U-shape Block 1000×400 U 型块	1000×400×200	149	28-40100-001
U-shape Block 1200×400 U 型块	1200×400×200	174	28-40120-001
U-shape Block 1500×400 U 型块	1500×400×200	219	28-40150-001
U-shape Block 2000×400 U 型块	2000×400×200	281	28-40200-001
U-shape Block 2400×400 U 型块	2400×400×200	329	28-40240-001
U-shape Block 3000×400 U 型块	3000×400×200	410	28-40300-001
U-shape Block 4000×400 U 型块	4000×400×200	534	28-40400-001
U-shape Block 500×100 U 型块	500×100×100	19	16-40050-000
U-shape Block 1000×100 U 型块	1000×100×100	38	16-40100-000

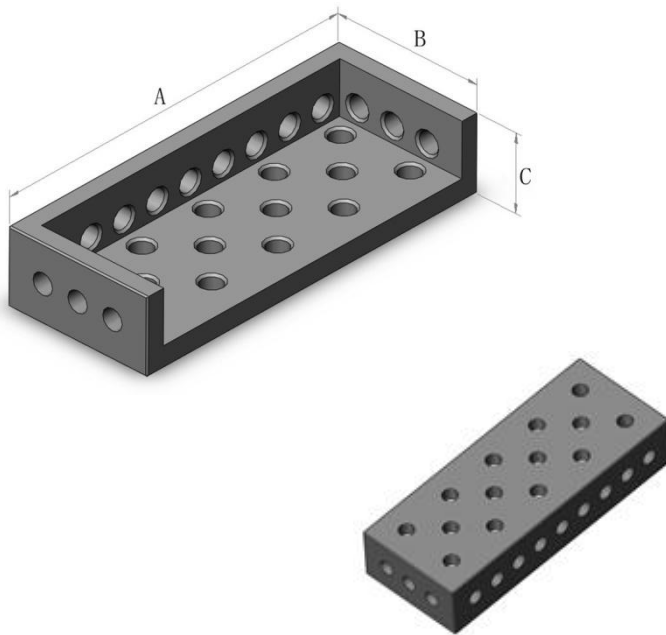
U-shape Block 1500×100 U 型块	1500×100×100	57	16-40150-000
U-shape Block 2000×100 U 型块	2000×100×100	93	16-40200-000

28

Block 定位块

L-shape Block L 型块

L-shape Block L 型块



Description 描述

- 4 sides support surfaces.
- Connect tables and other component by many ways.
- Can be used as table extension and height extension.
- Optional: surface hardening treatment.
- 4 侧支撑面。
- 通过多种方式连接表和其他组件。
- 可用于表格扩展和高度扩展。
- 可选: 表面硬化处理。



Description 描述	A×B×C	Weight 重量	Item no.编号
L-shape Block 500×200 L 型块	500×200×100	26	28-41050-001
L-shape Block 1000×200 L 型块	1000×200×100	52	28-41100-001
L-shape Block 1200×200 L 型块	1200×200×100	63	28-41120-001

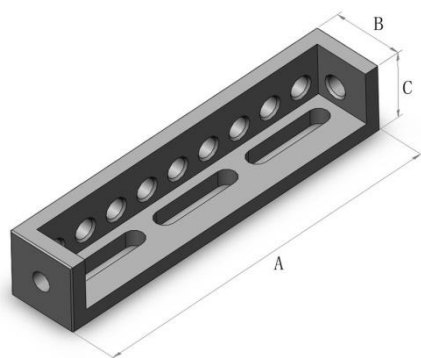
L-shape Block 1500×200 L 型块	1500×200×100	79	28-41150-001
L-shape Block 2000×200 L 型块	2000×200×100	106	28-41200-001

28

Block 定位块

Connection Angle 连接角钢

Connection Angle 连接角钢



Description 描述

- 4 sides support surfaces.
 - Connect angles and tables.
 - Can be table extension.
 - Suitable for small space position.
 - Optional: surface hardening treatment.
-
- 4 个支撑面。
 - 连接角钢和台面。
 - 可以对台面进行扩展。
 - 适用于小空间位置。
 - 可选: 表面硬化处理。

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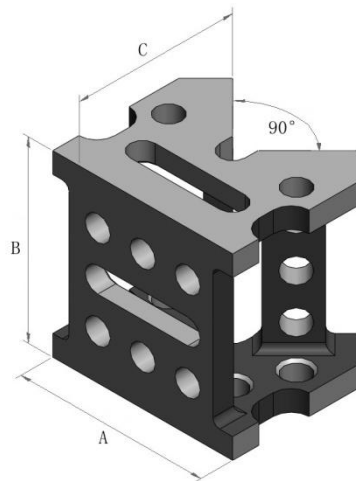
Description 描述	A×B×C	Weight 重量	Item no. 编号
Connection Angle 连接角钢	500×100×100	15	28-43050-000

28

Block 定位块

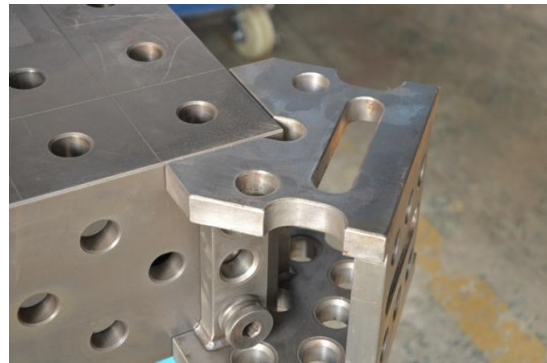
Corner Module 拐角挡块

Corner Module 拐角挡块



Description 描述

- Multiduty block. 90° opening.
 - Positioning Right Angle type workpiece.
 - Extensions on the corner of tables.
 - Locating large circular pipes.
 - Optional: surface hardening treatment.
-
- 多用块。90 度开放。
 - 定位直角型工件。
 - 扩展在台面的角落。
 - 定位大型圆形管道。
 - 可选: 表面硬化处理。



Description 描述

A×B×C

Weight 重量

Item no. 编号

Corner Module 拐角挡块

200×200×175

14

28-92020-000

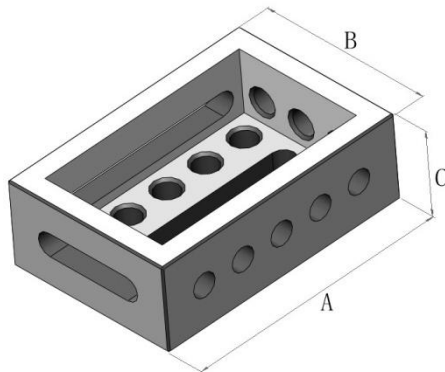
28

Block 定位块

16

Support Module 支撑块

Support Module 支撑块



28-92020-001



28-93020-005

Description 描述

- Multiduty block.
- Height direction supporting and positioning.
- Table and other modules extension.
- Optional: surface hardening treatment.
- 多用块。
- 高度方向的支撑和定位。
- 台面等模块扩展。
- 可选:表面硬化处理。



Description 描述

A×B×C

Weight 重量

Item no.编号

Support Module 支撑块

300×200×100

15.00

28-93020-001

Support Frame 支撑块

300×200×75

3.10

28-93020-005

Support Module 支撑块

150×100×50

1.98

16-91510-001

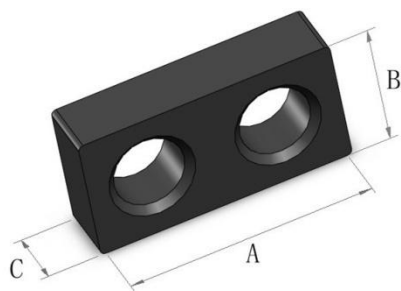
28

Stop 通用定位块

16

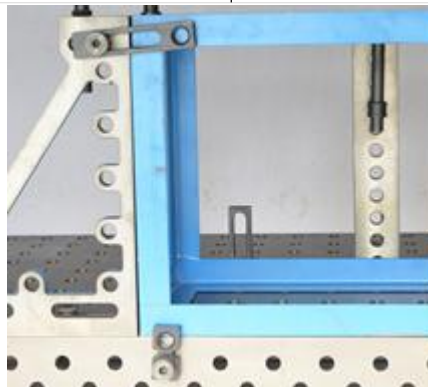
Universal Stop 通用定位块

Small Stop 小型



Description 描述

- Commonly used stop.
- Suitable for small space position.
- Black oxide finish.
- Optional: surface hardening treatment.
- 适用于有限空间位置。
- 黑色氧化处理。
- 可选:表面硬化处理。



Description 描述	A×B×C	Weight 重量	Item no. 编号
Small Stop 100 小型定位块	100×50×25	0.65	28-50010-000
Small Stop 55 小型定位块	55×25×12	0.08	16-50055-000

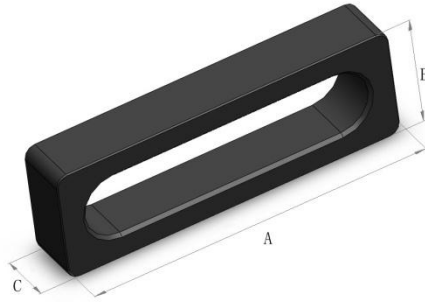
28

Stop 通用定位块

16

Universal Stop 通用定位块

Slot Stop 凹槽定位块



Description 描述

- Commonly used stop
- 100mm length oblong slot for adjustment
- Black oxide finish
- Precision scales on request
- Optional: surface hardening treatment.
- 100mm 长可调长方槽
- 黑色氧化表面
- 按要求精密刻度
- 可选: 表面硬化处理。



Description 描述	A×B×C	Weight 重量	Item no. 编号
Slot Stop 150 凹槽定位块	150×50×25	0.90	28-50150-000
Slot Stop 75 凹槽定位块	75×25×12	0.18	16-50075-000

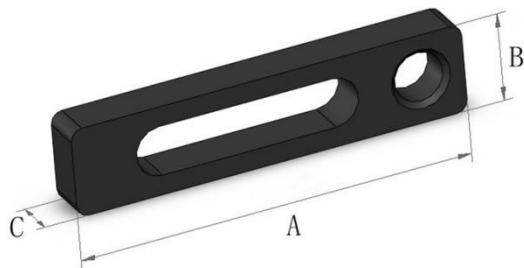
28

Stop 通用定位块

16

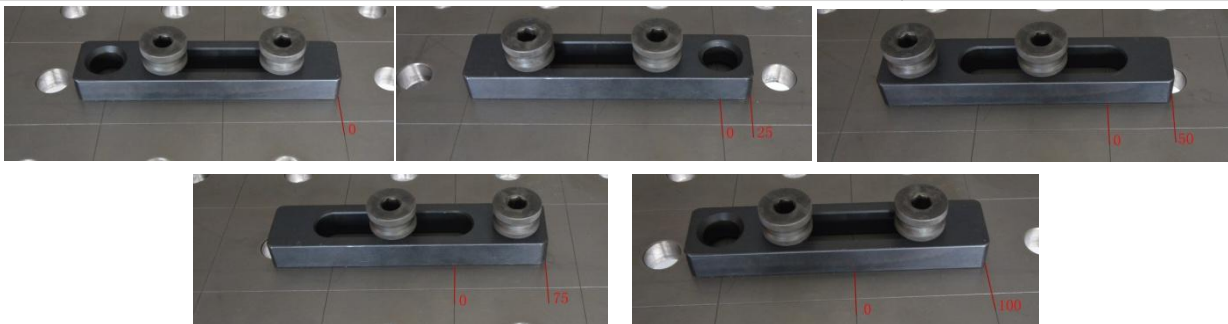
Universal Stop 通用定位块

Standard Stop 标准型



Description 描述

- Commonly used stop.
- Many located options by combining the bores and slot.
- 100mm (28) / 50mm (16) length oblong slot for adjustment
- Standard stops form multiples of 25mm (28) / 12.5mm (16) dimension chain.
- Black oxide finish.
- Precision scales on request.
- Optional: surface hardening treatment.
- 通过孔和插槽定位。
- 100mm (28) / 50mm(16)长方槽调整用。
- 可实现 25mm (28) / 12.5mm(16)网格尺寸链。
- 黑色氧化处理。
- 可根据客户要求定做。
- 可选:表面硬化处理。



Description 描述	A×B×C	Weight 重量	Item no. 编号
Standard Stop 225 标准型	225×50×25	1.32	28-50022-000
Standard Stop 300 标准型	300×50×25	1.80	28-50030-000
Standard Stop 500 标准型	500×50×25	3.22	28-50050-000
Standard Stop 115 标准型	115×25×12	0.14	16-50011-000
Standard Stop 150 标准型	150×25×12	0.25	16-50015-000

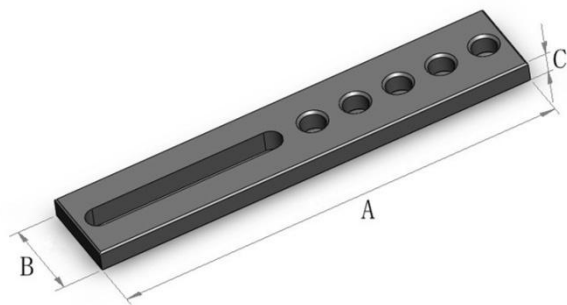
28

Stop 通用定位块

16

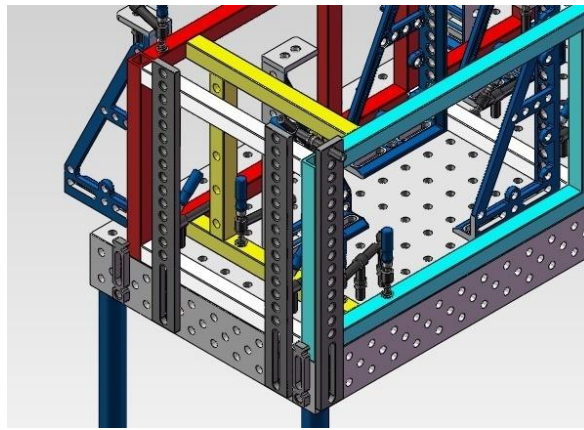
Plate Stop 定位板

Plate Stop 定位板



Description 描述

- Commonly used as a side stop.
- 200mm (28) / 100mm (16) long slot allows for infinite adjustment.
- Black oxide finish.
- Optional: surface hardening treatment.
- 常用作侧面定位。
- 200mm (28) / 100mm (16)长槽可无限调节。
- 黑色氧化处理。
- 可选: 表面硬化处理。



Description 描述	A×B×C	Weight 重量	Item no.编号
Plate stop 500 定位板	500×100×25	7.00	28-50050-001
Plate stop 800 定位板	800×100×25	14.00	28-50080-001
Plate stop 1000 定位板	1000×100×25	16.48	28-50100-001
Plate stop 250 定位板	250×50×12	0.90	16-50025-001
Plate stop 400 定位板	400×50×12	1.48	16-50040-001

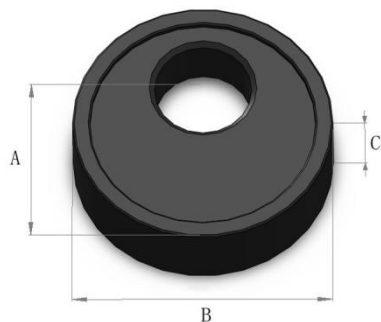
28

Stop 通用定位块

16

Eccentric Stop 离心定位盘

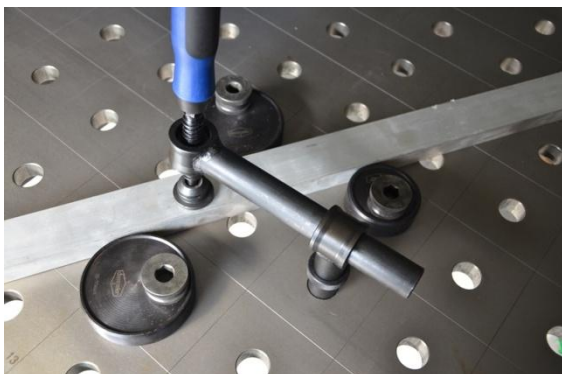
Eccentric Stop 离心定位盘



28-52075-000



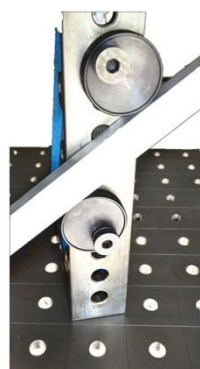
28-52100-000



Description 描述

- Use as stop or a support for irregular distance adjustment.
- Connect with standard bolt, infinitely adjusted by rotating.
- Suitable for small space position.
- Black oxide finish.

- 用作定位或支持不规则的距离调整。
- 与标准螺栓连接，旋转无限调节。
- 适用于有限空间位置。
- 黑色氧化处理。



Description 描述

A×B×C

Weight 重量

Item no.编号

Eccentric stop Φ75 离心定位盘

50×75×25

0.70

28-52075-000

Eccentric stop Φ100 离心定位盘

75×100×25

1.30

28-52100-000

Eccentric stop Φ45 离心定位盘

45×12

0.13

16-52045-000

Eccentric stop Φ75 离心定位盘

75×12

0.39

16-52075-000

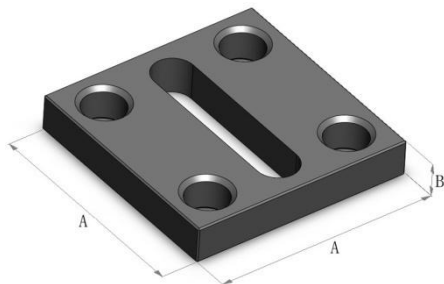
28

Stop 通用定位块

16

Adapter Plate 连接板

Adapter Plate 连接板



Description 描述

- When location dimension less than 100mm (28) / 50mm (16) or table system bores can not be reached.
- Connect 3D table system bores with components.
- Black oxide finish.
- 定位尺寸小于 100mm (28) / 50mm (16)或无法触及台面网格时使用。
- 连接三维台面和其他组件。
- 表面黑色氧化

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Description 描述	A × B	Weight 重量	Item no.编号
Adapter plate 连接板	150 × 25	3.18	28-51515-000
Adapter plate 连接板	75 × 12	0.36	16-57575-000

28

Stop 通用定位块

Angle Plate 角度盘

Angle Plate 角度盘



Description 描述

- Easy to locate angle on the table.
- Quick locating at 15°, 30°, 45°, 60°
- Slot can be adjusted from 0° to 90°.
- Black oxide finish.

- 在台面上易于定位角度
- 快速定位在 15,30,45,60
- 凹槽可以调整从 0 到 90。
- 表面黑色氧化处理。



Description 描述

Angle Plate 角度盘

$\Phi A \times B$

$\phi 250 \times 150 \times 5$

Weight 重量

0.88

Item no. 编号

28-52515-003

28

Stop 通用定位块

Angle Block 角度块

Angle Block 角度块



28-52020-004



28-52020-005

Description 描述

- Multifunctional stop.
- Every 15° quick locating.
- Slot can be adjusted from 0° to 90°.
- Black oxide finish.
- 每 15 度快速定位。
- 凹槽可从 0 调整到 90。
- 表面黑色氧化处理。



Description 描述

A×B×C

Weight 重量

Item no.编号

Angle Block, Right 角度块, 右

200x200x75

7.30

28-52020-004

Angle Block, Left 角度块, 左

200x200x75

7.30

28-52020-005

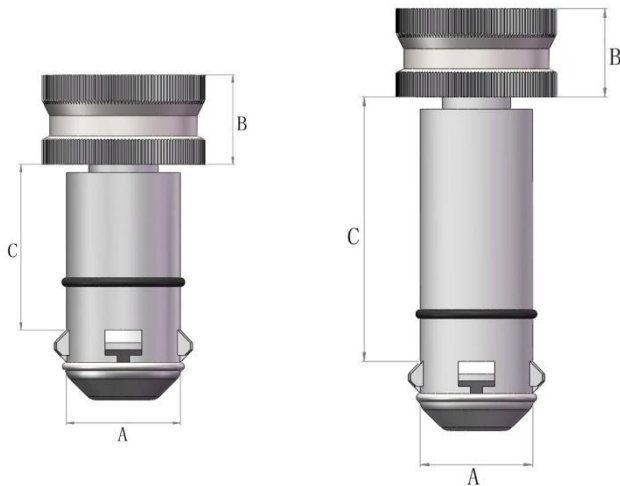
28

Bolt 销子

16

STQ Bolt STQ 销

STQ Bolt STQ 销



28

Locking force approx. 2 tons

Shearing force approx. 15 tons

Tightening torque: 60 Nm

锁紧力约 2 吨

剪切力约 15 吨

拧紧力矩: 60 Nm

16

Locking force approx. 1 tons

Shearing force approx. 5 tons

Tightening torque: 2 Nm

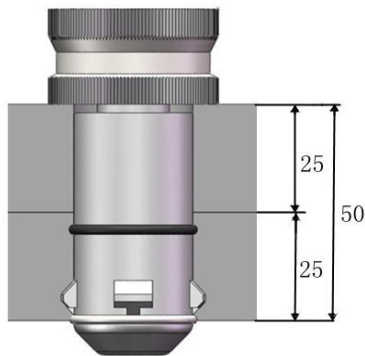
锁紧力约 1 吨

剪切力约 5 吨

拧紧力矩: 2 Nm

Description 描述

- New type of advanced design.
 - 4 Cones design makes surface contact.
 - Have guide groove to make lock and unlock more freely.
 - Take away hoop and 4 cones out for easy cleaning.
 - No damage to the reverse of system bores.
 - Using by one hand.
 - Connect table with table, stop, angle, adapter plates, transport rings, etc.
 - Clamp by hex wrench SW14 (28) / SW 8 (16).
 - Surface HRC50.
- 新型先进设计。
- 4 个锥体设计使表面接触。
- 有导向槽，使锁和解锁更自由。
- 取出铁环和 4 个锥体，以便清洗。
- 系统反孔无损坏。
- 单手使用。
- 用六角扳手 SW14 (28) / SW 8 (16) 将工作台与工作台、止动器、角钢、连接板、输送环等连接起来
- HRC50 表面。



Description 描述	$\Phi A \times B$	Weight 重量	Item no. 编号
STQ Bolt short STQ 销	$(28-0.01) \times 20$	0.60	28-60041-001
STQ Bolt long STQ 销	$(28-0.01) \times 20$	0.80	28-60041-002
Bolt short 短销	$(16-0.01) \times 12$	0.08	16-60041-001
Bolt long 长销	$(16-0.01) \times 12$	0.10	16-60041-002

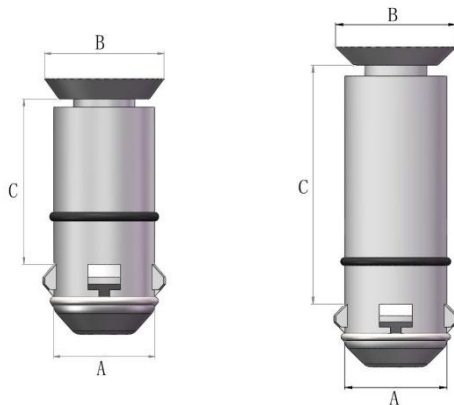
28

Bolt 销子

16

STQ Countersunk Bolt STQ 沉头销

STQ Countersunk Bolt STQ 沉头销



Description

- Countersunk bolt head.
- Only use in bores, not for slots
- 4 Cones design makes space contact with the reverse of system bores.
- Have guide groove to make a lock and unlock more freely.
- Take away hoop and 4 cones out for easy cleaning.
- Connect table with table, stop, angle, adapter plates, transport rings, etc. no interference.
- Clamp by hex wrench SW8.
- Surface HRC50.

- 沉头螺栓头。
- 只用于钻孔，不用于槽
- 4 锥设计使空间与系统钻孔的背面接触。
- 有导向槽，使锁和解锁更自由。
- 取出铁环和 4 个锥体，以便清洗。
- 连接台面与定位块，角钢，角度盘，连接板，运输环等。
- 用六角扳手 SW8 夹紧。
- HRC50 - 表面。



Description 描述	$\Phi A \times \Phi B$	Weight 重量	Item no. 编号
STQ Countersunk Bolt short STQ 沉头销	$(28-0.01) \times 31.6$	0.24	28-60042-001
STQ Countersunk Bolt long STQ 沉头销	$(28-0.01) \times 31.6$	0.36	28-60042-002

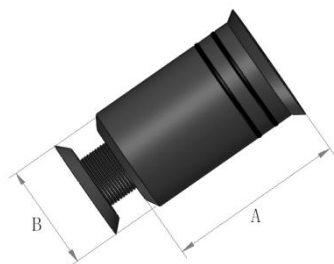
28

Bolt 销子

16

Connection Bolt 连接销

Connection Bolt 连接销



Description 描述

- Be used for long term connection.
- Both ends have countersunk bolt heads locked.
- Use for system bores.
- Clamp by hex wrench SW10 (28) / SW6 (16).

- 用于长期连接。
- 两端有楔形埋头螺栓头锁定。
- 用于系统钻孔。
- 用六角扳手 SW10 (28) / SW6(16)夹紧。



Description 描述	A × ΦB	Weight 重量	Item no.编号
Connection Bolt short 连接销	35.5 × 28	0.18	28-60003-000
Connection Bolt long 连接销	45 × 28	0.26	28-60003-002
Connection Bolt short 连接销	17 × 16	0.04	16-60003-000
Connection Bolt long 连接销	25 × 16	0.05	16-60003-002

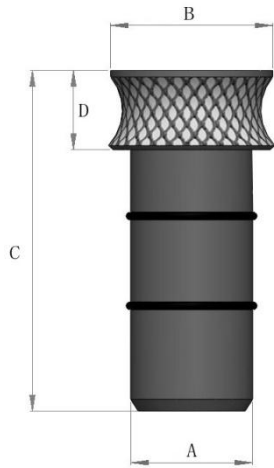
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Bolt 销子

16

Positioning Bolt 定位销

Positioning Bolt 定位销



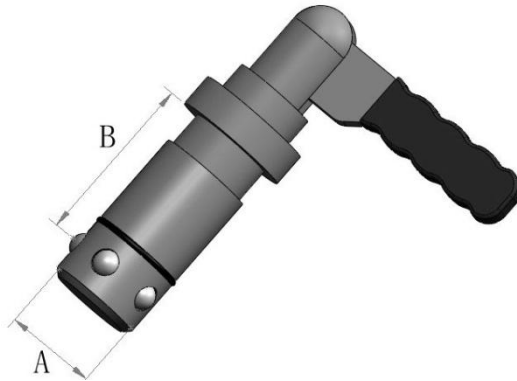
Description 描述

- Positioning without locking.
- Usually use with STQ bolt together.
- Economical substitute for a 2nd Clamping bolt.
- 定位无锁定。
- 通常与 STQ 螺栓一起使用。
- 经济型替代第二夹紧螺栓。

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Description 定位销	$\Phi A \times \Phi B \times C \times D$	Weight 重量	Item no. 编号
Positioning bolt	$28 \times 40 \times 74 \times 25$	0.28	28-60009-000
Positioning bolt	$16 \times 25 \times 37 \times 25$	0.08	16-60009-000

Quick Clamping Bolt 快速夹紧销



Description 描述

- 360° rotating.
 - More quickly and flexible clamping workpiece.
 - Positioning firmly.
 - High locking and shearing force.
 - Using by one hand.
 - Plastic coated or chrome plated handle.
-
- 360° 旋转。
 - 夹紧工件更快更灵活。
 - 牢固定位。
 - 高锁紧力和剪切力。
 - 单手使用。
 - 塑料涂层或镀铬处理。



Description 快速夹紧销

$\Phi A \times B$

Weight 重量

Item no. 编号

Quick Clamping Bolt

$(28-0.01) \times (31-50)$

0.62

28-60007-000

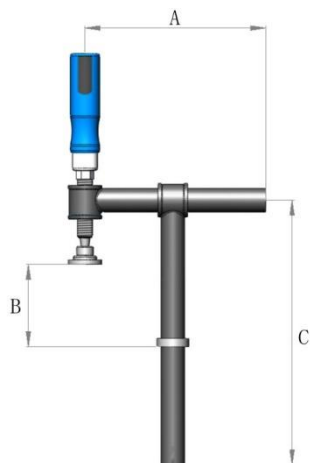
28

Clamp 夹具

16

Clamp 180° 180°夹钳

Screw Clamp 180° 180°夹钳



Description 描述

- Rubber and plastic handle feeling comfortable, non-skid.
- Oval handle makes more powerful.
- Clamp by hex wrench makes much tighter.
- Each part can be used separately and recombined to other kinds of clamps.
- Handle is replaceable.
- Replace with a variety of clamping pad.
- Clamp horizontal and vertical distances are adjustable.

橡胶和塑料手柄手感舒适, 不打滑。

-椭圆形手柄更有力。

-用六角扳手夹紧会紧得多。

-每个部件可以单独使用, 且可重新组合成其他类型的夹具。

-手柄可更换。

-更换各种夹紧垫。

-夹紧水平和垂直距离可调。

Description 描述	A × B span × C	Weight 重量	Item no. 编号
Screw Clamp 180° / 220 180° 夹钳	220 × max.140 × 220	2.00	28-85022-000
Screw Clamp 180° / 350 180° 夹钳	220 × max.270 × 350	2.38	28-85035-000
Screw Clamp 180° / 500 180° 夹钳	220 × max.420 × 500	2.81	28-85050-000
Screw Handle 螺旋手柄	H=250	0.6	28-87020-000
Pipe 220 管道	Φ28 x 220	0.685	28-85022-100
Pipe 350 管道	Φ28 x 350	1.06	28-85035-100
Pipe 500 管道	Φ28 x 500	1.49	28-85050-100
Stop Ring 止动环	Φ28 x 10	0.035	28-87003-000
Screw Clamp 180° / 50 180° 夹钳	130 × max.90 × 130	0.52	16-85013-000

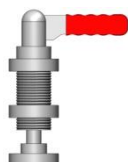
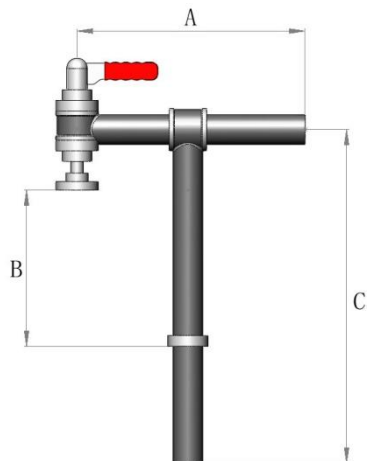
28

Clamp 夹具

16

Clamp 180° 180° 夹钳

Quick Clamp 180° 180° 快速夹钳



Description 描述

- Faster clamping.
- Higher clamping force less effort.
- 360° rotating.
- Each part can be used separately and recombined to other kinds of clamps.
- Handle is replaceable.
- Replace with a variety of clamping pad.
- Clamp horizontal and vertical distances are adjustable.
- Plastic coated or chrome plated handle.
- 快速夹紧。
- 夹紧力高，省力。
- 360° 旋转。
- 每个部件可以单独使用，并重新组合成其他类型的夹具。
- 手柄可更换。
- 更换各种夹紧垫。
- 夹紧水平和垂直距离可调。
- 塑料涂层或镀铬处理。

Description 描述		A × B span × C	Weight 重量	Item no. 编号
Quick Clamp 180° / 220	180° 夹钳	220 × max.140 × 220	2.23	28-85022-001
Quick Clamp 180° / 350	180° 夹钳	220 × max.270 × 350	2.60	28-85035-001
Quick Clamp 180° / 500	180° 夹钳	220 × max.420 × 500	3.03	28-85050-001
Quick handle	快速手柄	220	0.82	28-87020-001
Pipe 220	管道	Φ28 x 220	0.685	28-85022-100
Pipe 350	管道	Φ28 x 350	1.06	28-85035-100
Pipe 500	管道	Φ28 x 500	1.49	28-85050-100
Stop Ring	止动环	Φ28 x 10	0.035	28-87003-000
Quick Clamp 180° / 130	180° 夹钳	130 × max.90 × 130	0.58	16-85013-001

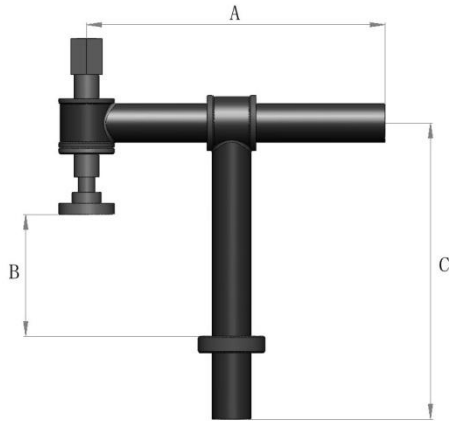
28

Clamp 夹具

16

Clamp 180°

Hex head Clamp 180° 180°六角头夹钳



Description 描述

- Highest clamp force.
- Each part can be used separately and recombined to other kinds of clamps.
- Handle is replaceable.
- Replace with a variety of clamping pad.
- Clamp horizontal and vertical distances are adjustable.
- Clamp by hex wrench SW14.

- 最高夹紧力。
- 每个部件可以单独使用，并重新组合成其他类型的夹具。
- 手柄可更换。
- 更换各种夹紧垫。
- 夹紧水平和垂直距离可调。
- 用六角扳手 SW14 夹紧。

Description 描述		A × B span × C	Weight 重量	Item no.编号
Hex head Clamp 180° / 220	180° 六角头夹钳	220 × max.140 × 220	1.79	28-85022-002
Hex head Clamp 180° / 350	180° 六角头夹钳	220 × max.270 × 350	2.16	28-85035-002
Hex head Clamp 180° / 500	180° 六角头夹钳	220 × max.420 × 500	2.59	28-85050-002
Hexagon Screw	六角螺钉	135	0.38	28-87020-002
Pipe 220	管道	Φ28 x 220	0.685	28-85022-100
Pipe 350	管道	Φ28 x 350	1.07	28-85035-100
Pipe 500	管道	Φ28 x 500	1.5	28-85050-100
Stop Ring	止动环	Φ28 x 10	0.035	28-87003-000
Hex head Clamp 180° / 130	180° 六角头夹钳	130 × max.90 × 130	0.50	16-85013-002

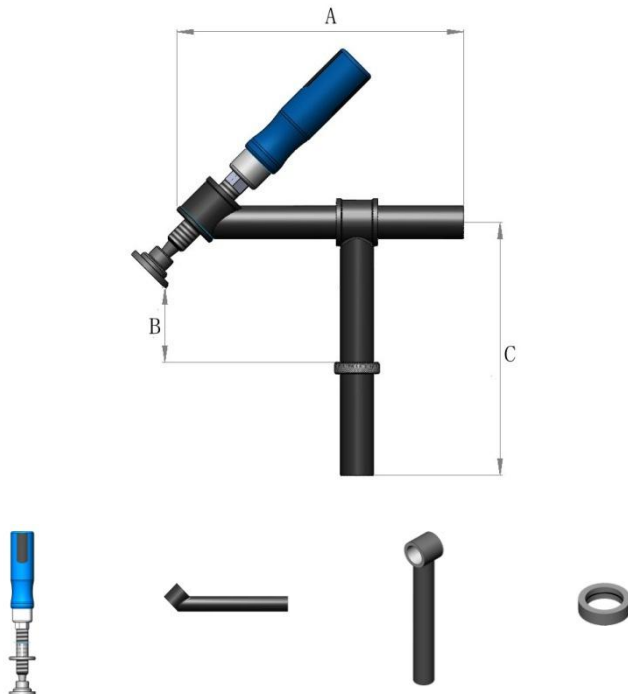
28

Clamp 夹具

16

Clamp 45° 45°夹钳

Screw Clamp 45° 45°夹钳



Description 描述

- Rubber and plastic handle feeling comfortable, non-skid.
- Oval handle makes more powerful.
- Clamp by hex wrench makes much tighter.
- Each part can be used separately and recombined to other kinds of clamps.
- Handle is replaceable.
- Replace with a variety of clamping pad.
- Clamp horizontal and vertical distances are adjustable.
- 橡胶和塑料手柄手感舒适，不打滑。
- 椭圆形手柄更强力。
- 六角扳手夹紧更强。
- 每个部件可以单独使用，并重新组合成其他类型的夹具。
- 手柄可更换。
- 更换各种夹紧垫。
- 夹紧水平和垂直距离可调。

Description 描述		A × B span × C	Weight 重量	Item no.编号
Screw Clamp 45° with Handle / 220	快夹	220 × max.140 × 220	2.02	28-89022-000
Screw Clamp 45° with Handle / 350	快夹	220 × max.270 × 350	2.4	28-89035-000
Screw Clamp 45° with Handle / 500	快夹	220 × max.420 × 500	2.83	28-89050-000
Screw Clamp	螺旋夹	250	0.6	28-87020-00
Pipe 45°	管道	220	0.7	28-85022-200
Pipe 220	管道	Φ28 x 220	0.685	28-85022-100
Pipe 350	管道	Φ28 x 350	1.06	28-85035-100
Pipe 500	管道	Φ28 x 500	1.49	28-85050-100
Stop Ring	止动环	Φ28 x 10	0.035	28-87003-000
Screw Clamp 45° with Handle / 130		130 × max.90 × 130	0.50	16-89013-000

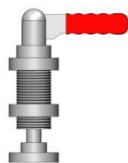
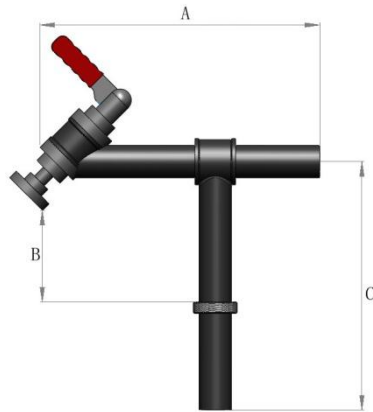
28

Clamp 夹具

16

Clamp 45° 45° 夹具

Quick Clamp 45° 45°快夹



Description 描述

- Faster clamping.
 - Higher clamping force less effort.
 - 360° rotating.
 - Each part can be used separately and recombined to other kinds of clamps.
 - Handle is replaceable.
 - Replace with a variety of clamping pad.
 - Clamp horizontal and vertical distance are adjustable.
 - Plastic coated or chrome plated handle.
- 快速夹紧。
- 夹紧力高，省力。
- 360° 旋转。
- 每个部件可以单独使用，并重新组合成其他类型的夹具。
- 手柄可更换。
- 更换各种夹紧垫。
- 夹头水平和垂直距离可调。
- 塑料涂层或镀铬处理。

Description 描述		A × B span × C	Weight 重量	Item no.编号
Quick Clamp 45° / 220	45° 快夹	220 × max.140 × 220	2.24	28-89022-001
Quick Clamp 45° / 350	45° 快夹	220 × max.270 × 350	2.62	28-89035-001
Quick Clamp 45° / 500	45° 快夹	220 × max.420 × 500	3.05	28-89050-001
Quick handle	快速手柄	220	0.82	28-87020-001
Pipe 45°	管道	220	0.7	28-85022-200
Pipe 220°	管道	Φ28 x 220	0.685	28-85022-100
Pipe 350°	管道	Φ28 x 350	1.06	28-85035-100
Pipe 500°	管道	Φ28 x 500	1.49	28-85050-100
Stop Ring°	止动环	Φ28 x 10	0.035	28-87003-000
Quick Clamp 45° / 130	45° 快夹	130 × max.130 × 130	0.58	16-89013-001

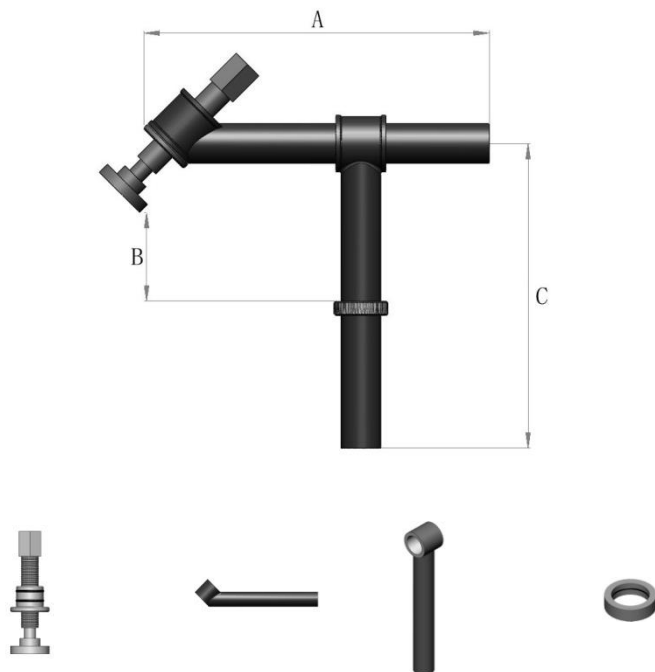
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Clamp 夹具

16

Clamp 45° 45°夹具

Hex head Clamp 45° 45°六角头夹



Description 描述

- Highest clamp force.
- Each part can be used separately and recombined to other kinds of clamps.
- Handle is replaceable.
- Replace with a variety of clamping pad.
- Clamp horizontal and vertical distance are adjustable.
- Clamp by hex wrench SW14.
- 最大夹紧力。
- 每个部件可以单独使用，并重新组合成其他类型的夹具。
- 手柄可更换。
- 更换各种夹紧垫。
- 夹头水平和垂直距离可调。
- 用六角扳手 SW14 夹紧。

Description 描述		A × B span × C	Weight 重量	Item no.编号
Hex head Clamp 45° / 220	45° 六角头夹钳	220 × max.140 × 220	1.8	28-89022-002
Hex head Clamp 45° / 350	45° 六角头夹钳	220 × max.270 × 350	2.18	28-89035-002
Hex head Clamp 45° / 500	45° 六角头夹钳	220 × max.420 × 500	2.61	28-89050-002
Hexagon Screw	六角头螺钉	135	0.38	28-87020-002
Pipe 45°	管道	220	0.7	28-85022-200
Pipe 220	管道	220	0.685	28-85022-100
Pipe 350	管道	Φ28 x 220	1.06	28-85035-100
Pipe 500	管道	Φ28 x 350	1.49	28-85050-100
Stop Ring	止动环	OD: Φ28, ID: Φ16, H: 30	0.035	28-87003-000
Hex head Clamp 45° / 130	45° 六角头夹钳	130 × max.130 × 130	0.46	16-89013-002

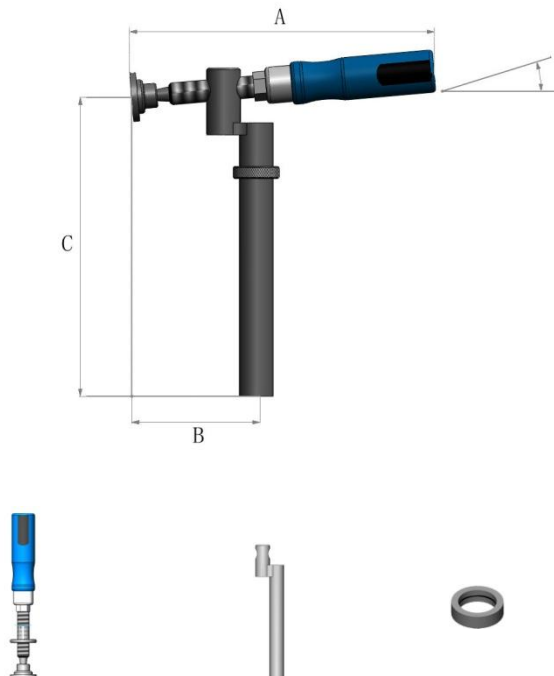
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Clamp 夹具

16

Clamp 90° 90° 夹钳

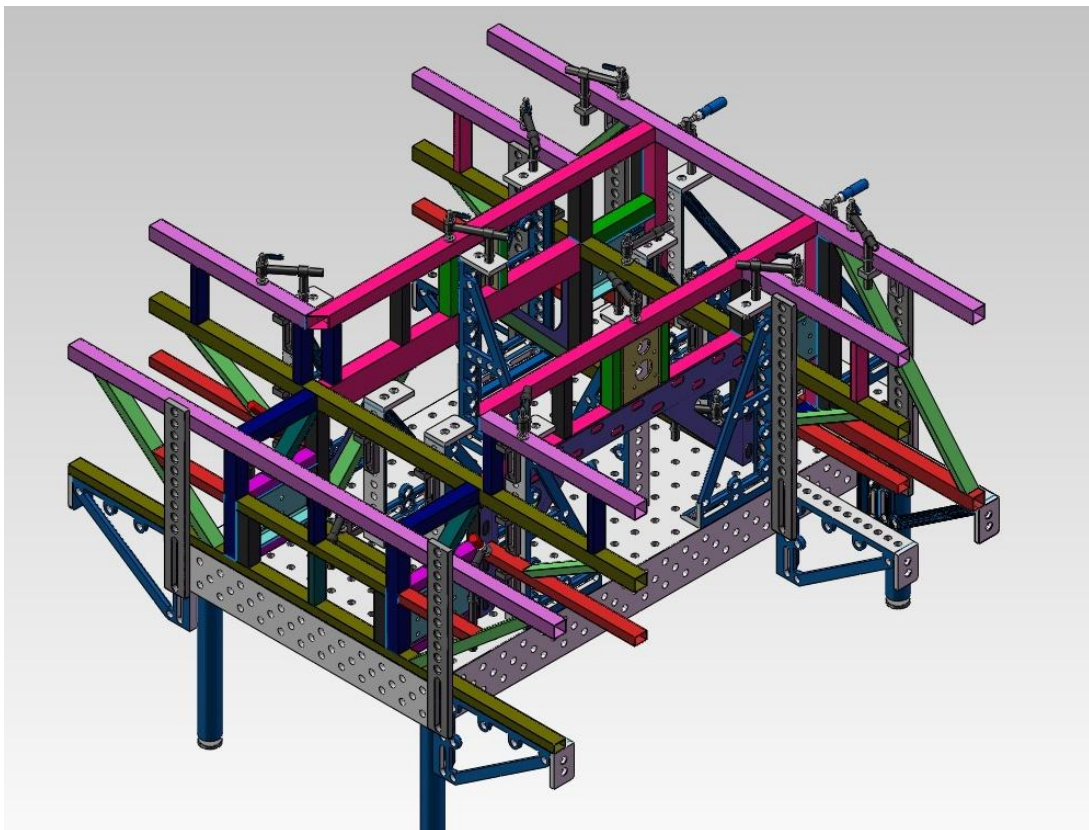
Screw Clamp 90° 90°螺旋夹具



Description 描述

- Rubber and plastic handle, feeling comfortable, non-skid.
 - Oval handle, can make more powerful.
 - Clamp by hex wrench makes much tighter.
 - Height adjustment with stop ring.
 - The clamping distance compensation 70mm.
 - Handle is replaceable.
 - Replace A variety of clamping pad.
- 橡胶和塑料把手，手感舒适，不打滑。
- 椭圆形手柄，可使更有力。
- 用六角扳手夹紧会紧得多。
- 高度调整与止动环。
- 夹紧距离补偿 70mm。
- 手柄可更换。
- 更换各种夹紧垫。

Description 描述		A×B span×C	Weight 重量	Item no.编号
Screw Clamp 90° with Handle / 220	90° 带手柄螺旋夹钳	250×max.100×220	1.26	28-88022-000
Screw Clamp 90° with Handle / 350	90° 带手柄螺旋夹钳	250×max.100×350	1.69	28-88035-000
Screw Clamp 90° with Handle / 500	90° 带手柄螺旋夹钳	250×max.100×500	2.12	28-88050-000
Screw Clamp	螺旋夹钳	250	0.6	28-87020-00
Pipe 90°	管道	220	0.62	28-85022-300
Pipe 90°	管道	350	1.05	28-85035-300
Pipe 90°	管道	500	1.48	28-85050-300
Stop Ring	止动环	Φ28 x 10	0.035	28-87003-000
Screw Clamp 90° with Handle / 150	90° 带手柄螺旋夹钳	150×—×170	0.30	16-88013-000



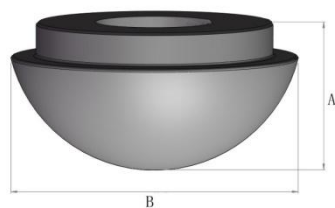
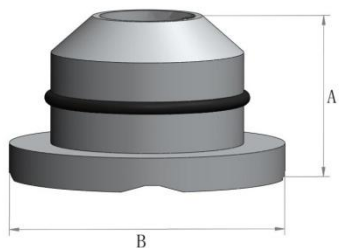
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Clamp 夹具

16

Clamping Pad 夹紧垫

General Clamping Pad 夹紧垫



Description 描述

- General pads clamp the common parts, inclined plane, small diameter pipe,
 - Ball head pads used in point contacts clamping.
 - Ball connect with screw clamp.
 - Easy to take down from clamps.
 - By rotating for all the surface contact.
 - Can insert into any system hole as a locating piece.
 - Various materials for choice.
 - Cross-shaped grooves for round or rectangular tubes to clamp.
- 普通垫片夹紧常用零件，斜面、小直径管，
- 球型垫片用于点接触夹紧。
- 球头与螺丝夹连接。
- 容易从夹具上取下。-通过旋转所有的表面接触。
- 可作为定位件插入任何系统孔内。
- 多种材料可供选择。
- 用于夹紧圆管或矩形管的十字槽。

Description 描述		A×ΦB	Weight 重量	Item no.编号
General Clamping Pad, Steel	铁质普通垫片	25x40	0.10	28-87011-010
General Clamping Pad, Stainless Steel	不锈钢普通垫片	22x40	0.1	28-87011-011
General Clamping Pad, Polyamide	聚酰胺普通垫片	22x40	0.02	28-87011-012
General Clamping Pad, Aluminium	铝质普通垫片	22x40	0.10	28-87011-019
Ball head Clamping Pad, Steel	铁质球形垫片	21x35	0.09	28-87011-003
Ball head Clamping Pad, Stainless steel	不锈钢球形垫片	21x35	0.09	28-87011-004
Ball head Clamping Pad, Polyamide	聚酰胺球形垫片	21x35	0.014	28-87011-005
Ball head Clamping Pad, Aluminium	铝质球形垫片	21x35	0.07	28-87011-020
General Clamping Pad, Stainless Steel	不锈钢普通垫片	13x22	0.019	16-87011-011
General Clamping Pad, Polyamide	聚酰胺普通垫片	13x22	0.004	16-87011-012
General Clamping Pad, Aluminium	铝质普通垫片	13x22	0.019	16-87011-019
Ball head Clamping Pad, Steel	铁质球形垫片	14x20	0.018	16-87011-003
Ball head Clamping Pad, Stainless steel	不锈钢球形垫片	14x20	0.018	16-87011-004
Ball head Clamping Pad, Polyamide	聚酰胺球形垫片	14x20	0.004	16-87011-005
Ball head Clamping Pad, Aluminium	铝质球形垫片	14x20	0.018	16-87011-020

28

Clamp 夹具

Clamp sleeve 衬套

Clamp sleeve 45° /90° 45° /90° 衬套



Description 描述

- Used as clamping position transformation of 45 ° or 90 °.
- Can be directly assembled clamp handle.
- The flexibility to bind with bolt, installed in any system bores.
- 可用于 45 ° 或 90 ° 夹紧定位
- 直接组装夹具手柄
- 可与销子一起灵活结合，安装在任何系统孔内

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Description 描述

Weight 重量

Item no.编号

Clamp sleeve 90° 90° 衬套

0.28

28-87034-000

Clamp sleeve 45° 45° 衬套

0.26

28-87035-000

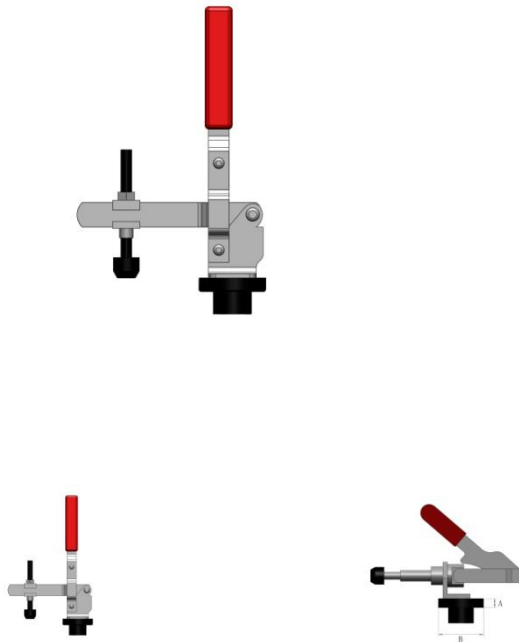
28

Clamp 夹具

16

Toggle Clamp 肘节夹

Toggle Clamp with Round Pad 带圆形衬垫肘节夹



Description 描述

- Round pad with vertical toggle clamp or horizontal toggle clamp.
- Suitable for fast clamping the light workpiece.
- Use for batch production.
- 带圆形衬垫垂直肘节夹或水平肘节夹
- 适用于快速夹紧轻量工件
- 用于批量生产

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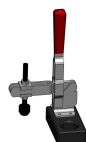
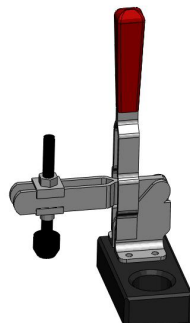
Description 描述		A × ΦB	Weight 重量	Item no. 编号
Vertical toggle clamp	垂直肘节夹	27 × 50	0.74	28-86001-000
Horizontal toggle clamp	水平肘节夹	27 × 50	0.74	28-86002-000
Vertical toggle clamp	垂直肘节夹	15 × 38	0.22	16-86001-001
Horizontal toggle clamp	水平肘节夹	15 × 38	0.22	16-86001-002

28

Clamp 夹具

Toggle Clamp 肘节夹

Toggle Clamp with Stop Piece 带挡块肘节夹



Description 描述

- Flexible clamping position.
- Suitable for fast clamping the light workpiece.
- Use for batch production.
- Option different type of toggle clamps.

- 快速夹紧定位
- 适用于快速夹紧轻工件。
- 用于批量生产。
- 可选择不同类型。

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Description 描述	A×ΦB	Weight 重量	Item no.编号
Vertical toggle clamp 垂直肘节夹	27×50	0.98	28-86001-001
Horizontal toggle clamp 水平肘节夹	27×50	1.08	28-86002-001

28

Clamp 夹具

16

Stop Ring 止动环

Stop Ring 止动环



Description 描述

- Use for all clamping tubes.
- Adjust clamps to any height.
- 适用于所有夹紧管。
- 调整夹具到任何高度。

Description 止动环

Weight 重量

Item no. 编号

Stop ring $\Phi 28 \times 10\text{mm}$

0.035

28-87003-000

Stop ring $\Phi 16 \times 6\text{mm}$

0.006

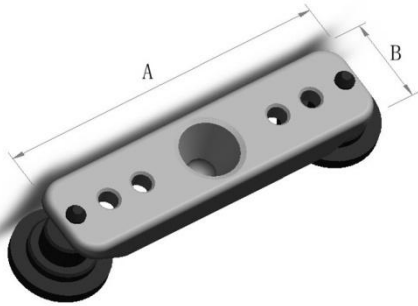
16-87003-000

28

Clamp 夹具

Clamping Bridge 夹紧桥

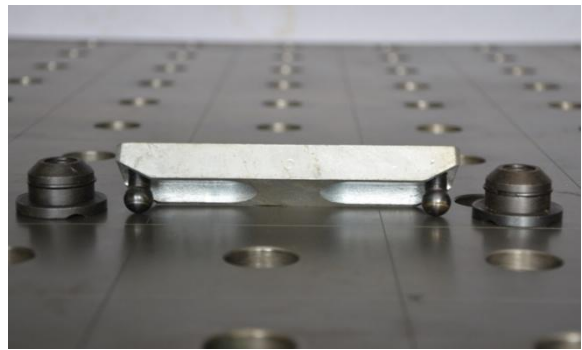
2P – Clamping Bridge 夹紧桥



Description 描述

- At the same time clamping two points.
- Clamping the different level of two points between 50 mm. The clamping points distance is adjustable.
- Can be used with any screw clamp.
- Galvanized surface.

- 同时夹紧两个点。
- 夹紧不同水平的两个点之间的 50mm。夹紧点距离可调。
- 可与任何螺丝夹使用。
- 镀锌表面。



Description 描述

2P – Clamping Bridge 夹紧桥

A × ΦB

130/97/65 × 35

Weight 重量

0.62

Item no.编号

28-87018-000

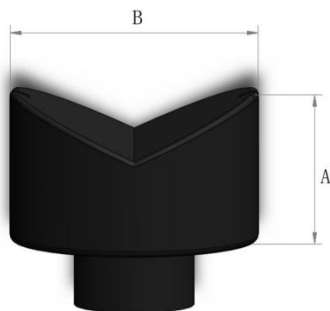
28

Support 支撑件

16

V-Block V 型块

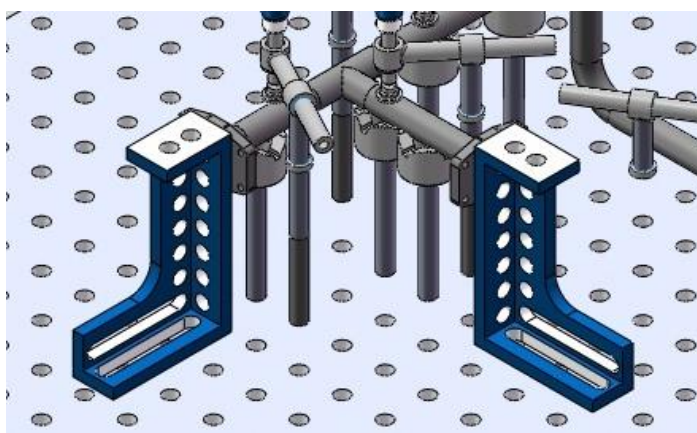
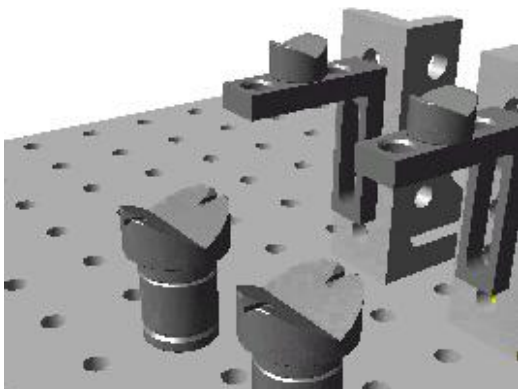
V-Block Ø 58 /130° 130° V 型块



Description 描述

- Apply to pipe and round workpiece.
- The diameter of workpiece can be up to 70mm.
- Fit any system bore with countersunk screw.

- 适用于管类及圆形工件。
- 工件直径可达 70mm。
- 适用于任何系统钻孔与沉头螺钉。



Description 描述		A × ΦB	Weight 重量	Item no.编号
V-Block Ø 58 /130°, Steel	铁质 V 型块	35 × 58	0.68	28-90058-000
V-Block Ø 58 /130°, Polyamide	聚酰胺 V 型块	35 × 58	0.14	28-90058-001
V-Block Ø 58 /130°, Stainless steel	不锈钢 V 型块	35 × 58	0.70	28-90058-002
V-Block Ø 50, 120°/90°, Steel	铁质 V 型块	35 × 50	0.36	16-90050-000
V-Block Ø 50, 120°/90°, Polyamide	聚酰胺 V 型块	35 × 50	0.38	16-90050-001
V-Block Ø 50, 120°/90°, Stainless steel	不锈钢 V 型块	35 × 50	0.06	16-90050-002

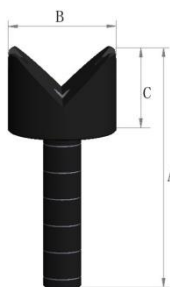
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Support 支撑件

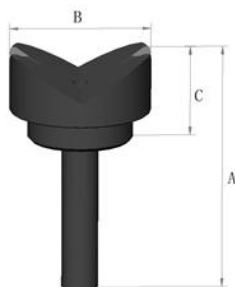
16

Cross V-Block 十字 V 型块

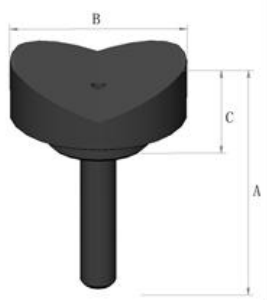
Cross V-Block with Shaft 带杆十字 V 型块



V-Block Ø 80 / 90°



V-Block Ø 110 / 120°



V-Block Ø 140 / 140°

Description 描述

- Apply to round and rectangular pipes.
- The diameter of workpiece can be up to 100mm, 180mm, 400mm.
- Fit any system bore.

- 适用于圆形和矩形管道。
- 工件直径可达 100mm、180mm、400mm。
- 适用于任何系统孔。

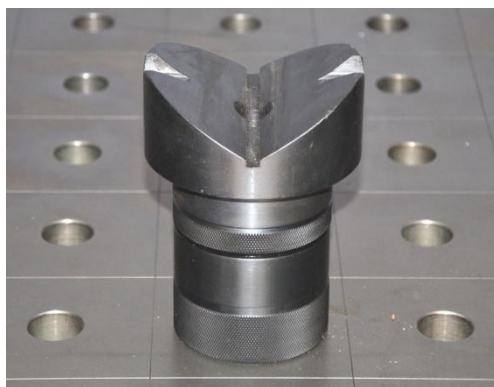
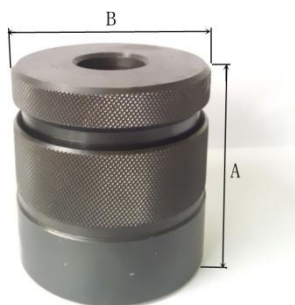
Description 描述	A × ΦB × C	Weight 重量	Item no. 编号
Cross V-Block Ø 80 / 90° with shaft, Steel 铁质带杆十字 V 型块	45 × 80 × 60	2.16	28-90080-000
Cross V-Block Ø 80 / 90° with shaft, Polyamide 聚酰胺带杆十字 V 型块	45 × 80 × 60	0.88	28-90080-001
Cross V-Block Ø 80 / 90° with shaft, Stainless steel 不锈钢带杆十字 V 型块	45 × 80 × 60	2.18	28-90080-002
Cross V-Block Ø 110 / 120° with shaft, Steel 铁质带杆十字 V 型块	190 × 110 × 70	3.70	28-90110-000
Cross V-Block Ø 110 / 120° with shaft, Polyamide 聚酰胺带杆十字 V 型块	190 × 110 × 70	1.10	28-90110-001
Cross V-Block Ø 110 / 120° with shaft, Stainless steel 不锈钢带杆十字 V 型块	190 × 110 × 70	3.82	28-90110-002
Cross V-Block Ø 140 / 140° with shaft, Steel 铁质带杆十字 V 型块	190 × 140 × 70	5.22	28-90140-000
Cross V-Block Ø 140 / 140° with shaft, Polyamide 聚酰胺带杆十字 V 型块	190 × 140 × 70	1.32	28-90140-001
Cross V-Block Ø 140 / 140° with shaft, Stainless steel 不锈钢带杆十字 V 型块	190 × 140 × 70	5.30	28-90140-002
Cross V-Block Ø 80, 120° / 90°, Steel 铁质十字 V 型块	50 × 80	1.46	16-90080-000
Cross V-Block Ø 80, 120° / 90°, Polyamide 聚酰胺十字 V 型块	50 × 80	1.46	16-90080-001
Cross V-Block Ø 80, 120° / 90°, Stainless steel 不锈钢十字 V 型块	50 × 80	0.22	16-90080-002

28

Support 支撑件

Height adjustment set 高度调整套

Height adjustment set 高度调整套



Description 描述

- Used with v- blocks, adjust the height of positioning location.
- Adjustable height 75-95 – mm.
- At the top of the hole can be directly use STQ bolt lock.

- 配合 v 型块使用，调整定位位置的高度。
- 可调高度 75-95 毫米
- 在孔的顶部可直接使用 STQ 螺栓锁紧。

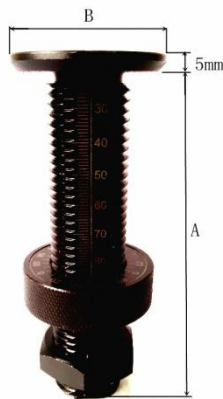
Description	A × ΦB	Weight 重量	Item no.编号
Height adjustment set 高度调整套	(75-95) × 80	2.34	28-90009-000

28

Support 支撑件

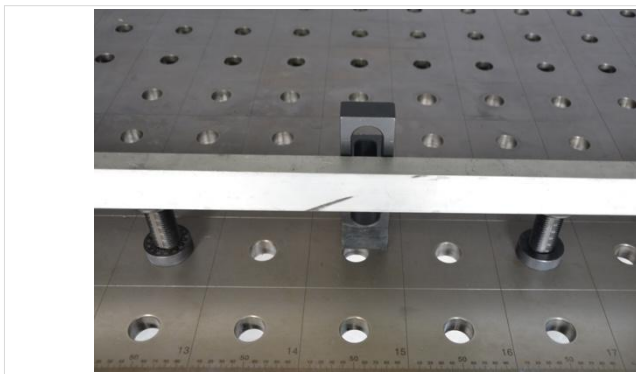
Adjustment Screw 调节螺钉

Precision Adjustment Screw



Description 描述

- Positioning the distance and height of the workpiece.
- The adjusting range 22-105 mm.
- Adjust the distance accuracy to 0.1 mm.
- The maximum load 10 KN.
- 定位工件的距离和高度。
- 调整范围 22-105 毫米。
- 调整距离精度到 0.1 毫米。
- 最大负载 10kn。



Description	A×B	Weight 重量	Item no.编号
Precision Adjustment Screw Φ50 精密调整螺钉		0.72	28-90005-000

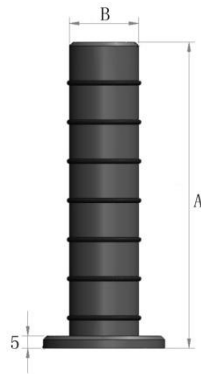
28

Support 支撑件

16

Adjustable Spacer 调节垫片

Adjustable Spacer Set 调节垫片套



Description 描述

- The thickness of the Spacer: 1、2、2.5、3、4、5、10、20、40、50mm.
- Positioning the distance or height: 5-100mm.
- Fits all system bores.
- Can be used with v-block.
- Combine with stop and angle, constitute all of the required sizes to position workpieces.

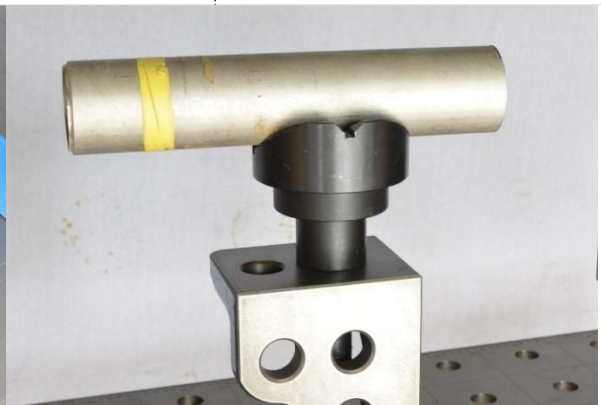
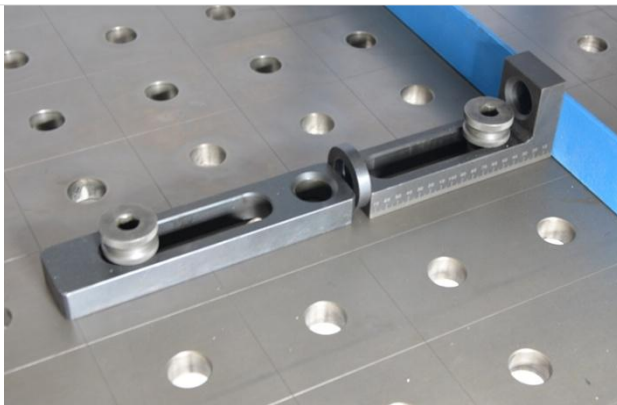
-垫片厚度: 1 2 2.5 3 4 5 10 20 40 50mm

-定位距离或高度: 5-100mm

-适用于所有系统的钻孔。

-可与 v 型块一起使用。

-结合止动和角度，构成工件定位所需的所有尺寸。



Description	A×ΦB	Weight 重量	Item no.编号
Spacer set 11- pieces 垫片套 11 片	(120+5) × 28	1.96	28-90001-000
Spacer set 9 - pieces 垫片套 9 片	(55+5) × 16	0.22	16-90001-000

28 Accessory 附件

16

Wrench, Transport Ring, Ground connector 扳手、运输环、接地器

Description		Description
	00-C0008-xxx	-Ball head hex wrench SW14 for STQ Bolt 28-60041-001(2) and table legs.
	00-C0016-001	- Ball head hex wrench SW10 for Connection Bolt 28-60003-000(2)
	28-C0015-000	- Ball head hex wrench SW8 for Bolt 16-60041-001(2) and STQ Countersunk Bolt 28-60042-001(2)
		- Ball head hex wrench SW6 for Connection Bolt 16-60003-000(2)7
		- Torque wrench of 28: 1/2" head with socket SW8 and SW14; Torque wrench of 16: 3/8" head with socket SW4、SW8.
		- Ground connector, use for 28 series and 16 series.
	00-C0001-000	Transport ring loads 2500kg.
		-用于 STQ 螺栓 28-60041-001(2)和桌腿的球型六角扳手 SW14。
		-连接螺栓用球头六角扳手 SW10 28-60003-000(2)
		-球型六角扳手 SW8 16-60041-001(2)和 STQ 沉头螺栓 28-60042-001(2)
		-球头六角扳手 16-60003-000(2)16 转矩扳手:3/8 头带套筒 SW4 SW8。
	28-C0009-000	-接地连接器，适用于 28 系列和 16 系列。
		-输送环载荷 2500kg。

Description 描述	Specification 规格	Weight kg 重量	Item no.编号
Hexagon wrench 六角扳手	SW 6	0.06	00-C0008-006
Hexagon wrench 六角扳手	SW 8	0.1	00-C0008-008
Hexagon wrench 六角扳手	SW 10	0.17	00-C0008-010
Hexagon wrench 六角扳手	SW 14	0.32	00-C0008-014
Special wrench 特殊扳手	250 x 40mm	0.72	00-C0016-001
Torque wrench 扭矩扳手	SW14, SW8	0.76	28-C0015-000
Transport ring 运输环		4.72	00-C0001-000

Ground connector	接地器		0.34	00-C0009-000
Hexagon wrench	六角扳手	SW 4	0.01	00-C0008-004
Hexagon wrench	六角扳手	SW 6	0.02	00-C0008-006
Hexagon wrench	六角扳手	SW 8	0.06	00-C0008-008
Torque wrench	扭矩扳手	SW8, SW4	0.52	16-C0015-000

28

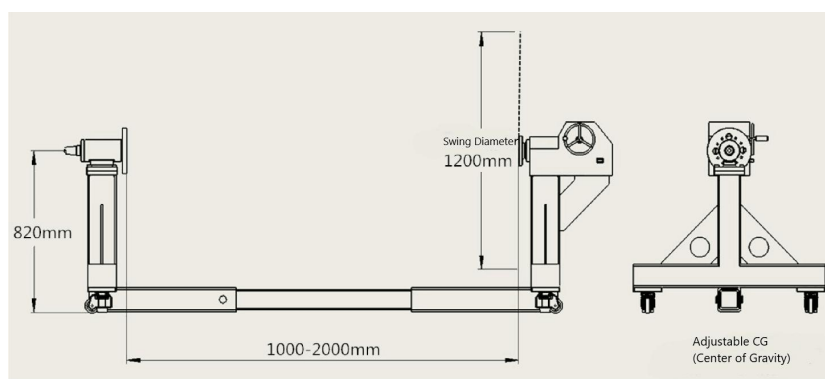
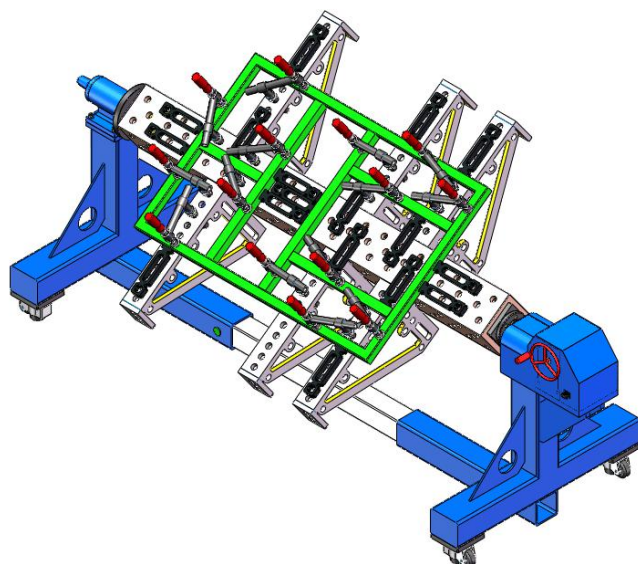
Modular Rollover Fixture 模块化旋转装置

16

Universal Manual Type 手动式

Description 描述

- Flexible fixture
- Suitable for kinds of workpieces in all position welding
- Multiple choices to any assembly of different workpieces
- Easy to operate by manual, electric and automatic drive
- 柔性夹具
- 适用于各种工件的全位置焊接
- 对不同工件的任意装配有多种选择
- 手动、电动、自动操作方便



Description 描述

L x W x H mm	长宽高	2900 x 1000 x 1000
Rotating speed rpm	旋转速度	0-2

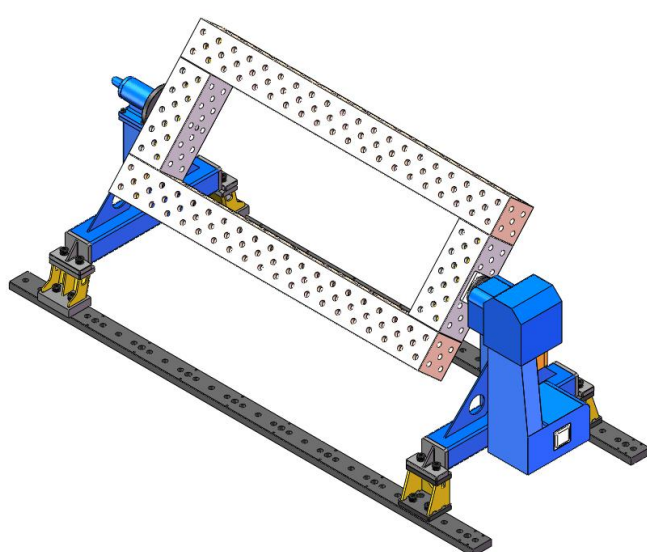
Max. load kg	最大负载	2000
Form of rotation	旋转方式	Manual type 手动
Model	型号	RF-21200M

28

Modular Rollover Fixture 模块化旋转装置

16

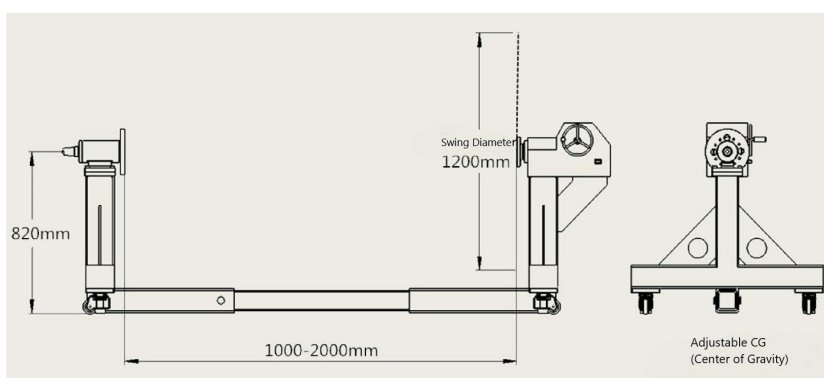
Universal Electric Type 电动



Description 描述

- Flexible fixture
- Suitable for kinds of workpieces in all position welding
- Multiple choices to any assembly of different workpieces
- Easy to operate by manual, electric and automatic drive

- 柔性夹具
- 适用于各种工件的全位置焊接
- 对不同工件的任意装配有多种选择
- 手动、电动、自动操作方便



Description 描述

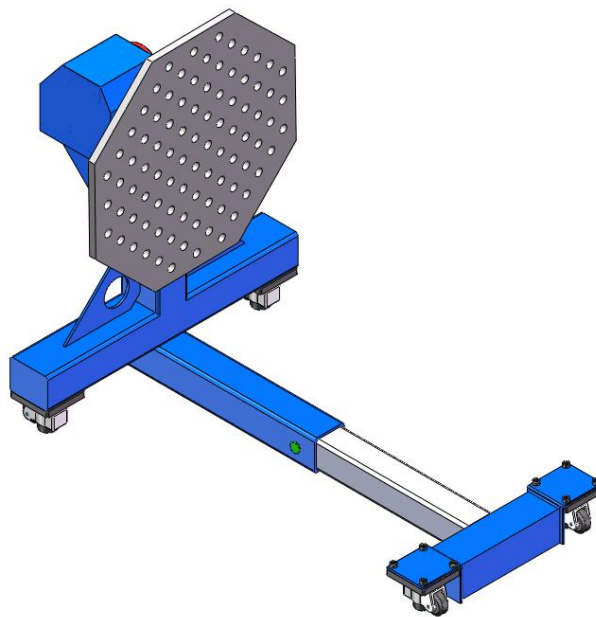
L x W x H mm	长宽高	2900 x 1000 x 1000
Rotating speed rpm	旋转速度	0-2
Max. load kg	最大负载	2000
Form of rotation	旋转方式	Electric type 电动

28

Modular Rollover Fixture 模块化旋转装置

16

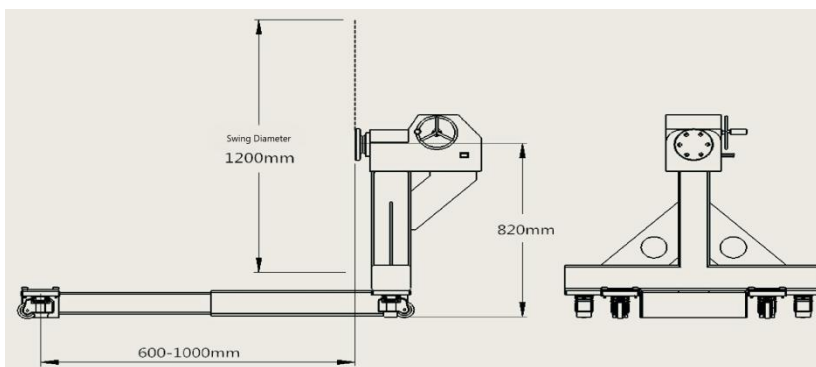
Single-sided Electric/Manual Type 单边电动/手动



Description

- Flexible tooling
- Suitable for all kinds of parts welding in the ideal position
- Multiple choices
- Any combinations of different parts
- Easy to operate
- Manual, Electric, Automatic drive

- 柔性夹具
- 适合各部分各位置理想焊接
- 更多选择
- 可结合不同部位
- 简单操作
- 手动、电动、机械驱动



Description 描述

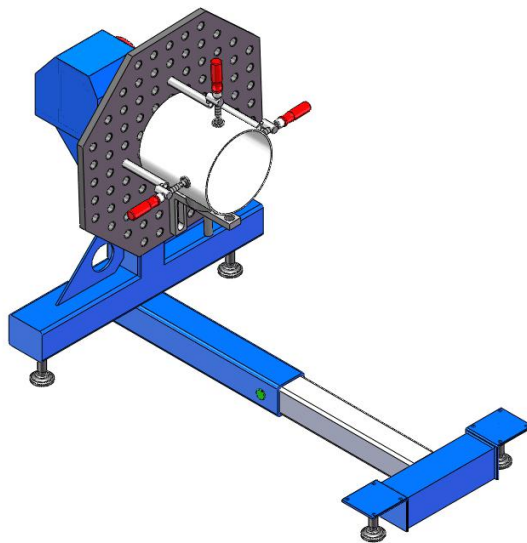
L x W x H mm 长宽高	1900 x 1000 x 1000
Rotating speed rpm 旋转速度	0-2
Load torque Nm 最大负载	800
Form of rotation 旋转方式	Manual type 手动

28

Modular Rollover Fixture 模块化旋转装置

16

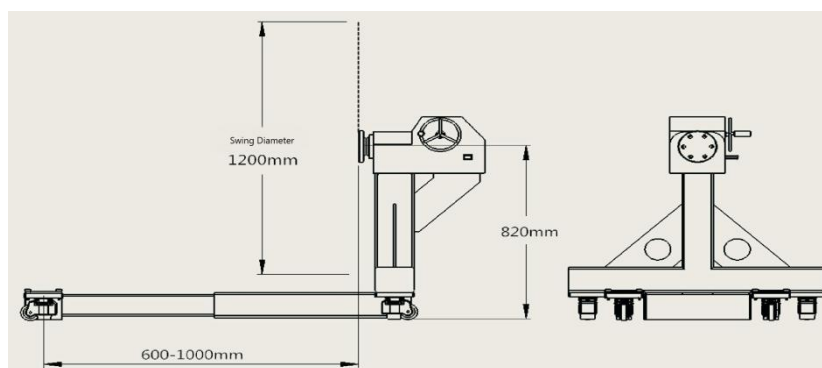
Single-sided Electric/Manual Type 单边电动/手动



Description 描述

- Flexible tooling
- Suitable for all kinds of parts welding in the ideal position
- Multiple choices
- Any combinations of different parts
- Easy to operate
- Manual, Electric, Automatic drive

- 柔性夹具
- 适合各部分各位置理想焊接
- 更多选择
- 可结合不同部位
- 简单操作
- 手动、电动、机械驱动



Description 描述

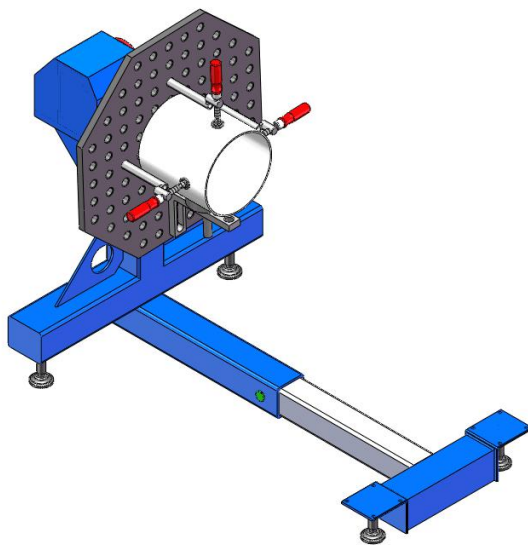
L x W x H mm	长宽高	1900 x 1000 x 1000
Rotating speed rpm	旋转速度	0-2
Load torque Nm	最大负载	800
Form of rotation	旋转方式	Electric type 电动
Model	型号	RF-11200E

28

Modular Rollover Fixture 模块化旋转装置

16

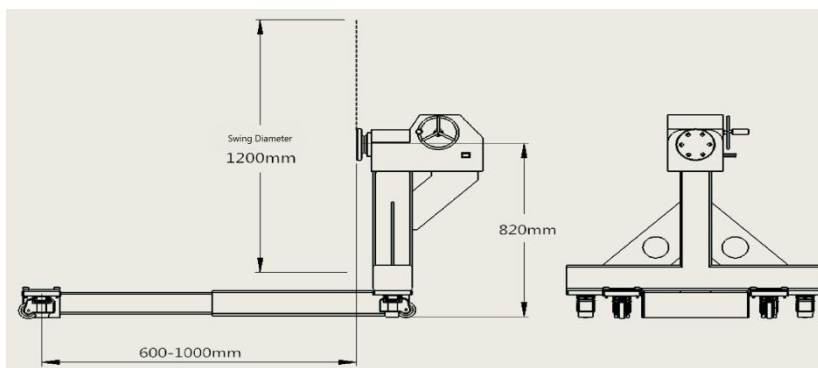
Single-sided Electric/Manual Type 单边电动/手动



Description 描述

- Flexible tooling
Suitable for all kinds of parts welding in the ideal position
- Multiple choices
Any combinations of different parts
- Easy to operate
- Manual, Electric, Automatic drive

- 柔性夹具
- 适合各部分各位置理想焊接
- 更多选择
- 可结合不同部位
- 简单操作
- 手动、电动、机械驱动



Description 描述

L x W x H mm	长宽高	1900 x 1000 x 1000
Rotating speed rpm	旋转速度	0-2
Load torque Nm	最大负载	800
Form of rotation	旋转方式	Electric type 电动
Model	型号	RF-11200E

