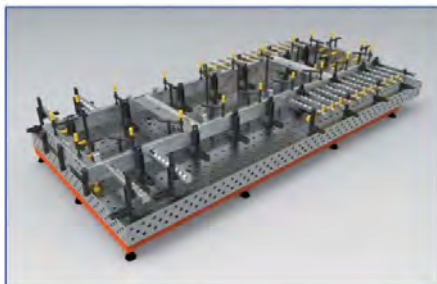


平台框架焊接 Platform Frame Welding



平台翻转焊接 Platform Flip Welding



平台管道焊接 Platform Pipeline Welding



平台汽车车架焊接 Platform Vehicle Frame Welding



平台柔性焊接 Flexible Welding of Platform

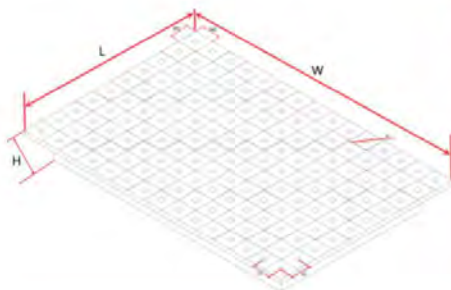


二维焊接工作台 2D Welding Table



二维焊接工作台上表面分布有水平/垂直的孔。焊接工作台带有100×100毫米的网格以及内径为28毫米或16毫米的网孔。

The 2D welding workbench has horizontal/vertical holes on surface. The welding bench has 100 *100 mm grid system and 28 mm or 16 mm installation mesh holes.



技术参数 technical parameter

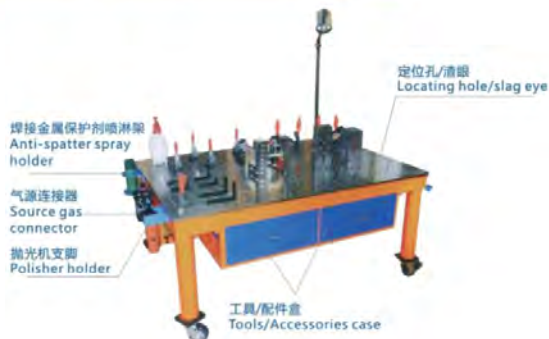
规格 (LxWxH) 及材质 Specifications	材质 Material
1000x1000x150mm	a、Q345钢板焊接, b、高硬度钢板焊接
1200x1200x150mm	a、Q345钢板焊接, b、高硬度钢板焊接
1500x1500x150mm	a、Q345钢板焊接, b、高硬度钢板焊接
2000x1000x150mm	a、Q345钢板焊接, b、高硬度钢板焊接
2400x1200x150mm	a、Q345钢板焊接, b、高硬度钢板焊接
3000x1500x150mm	a、Q345钢板焊接, b、高硬度钢板焊接
4000x2000x150mm	a、Q345钢板焊接, b、高硬度钢板焊接

- 孔径 (hole diameter): $A = \phi 28.065 \sim \phi 28.149\text{mm}$
- 孔距 (hole center): $L1 = 100 \pm 0.05\text{mm}$
- 割线 (groove): 割线间距 (groove spacing) $W1 = 100 \pm 0.05\text{mm}$
- 平面度 (flatness): $0.1/1000\text{mm}$
- 垂直度 (verticality): $0.1/200\text{mm}$
- 表面粗糙度 (surface roughness): Ra1.6
- 承重 (load): 标准型 (standard type) 2T, 框架型 (frame type) 5T
- 硬度 (hardness): 材料本体硬度 (material body hardness)

28系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2811001	1000x800x150	235.00
YP2811002	1000x1000x150	270.00
YP2811003	1200x1200x150	370.00
YP2811004	1500x1000x150	400.00
YP2811005	1500x1500x150	595.00
YP2811006	2000x1000x150	515.00
YP2811007	2400x1200x150	700.00
YP2811008	3000x1500x150	1100.00

16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP1611001	1000x800x100	150.00
YP1611002	1000x1000x100	177.00
YP1611003	1200x800x100	168.00
YP1611004	1200x1200x100	250.00
YP1611005	1500x1000x100	285.00
YP1611006	1500x1500x100	362.00
YP1611007	2000x1000x100	340.00
YP1611008	2400x1200x100	490.00

好焊接工作台 Good Welding Table

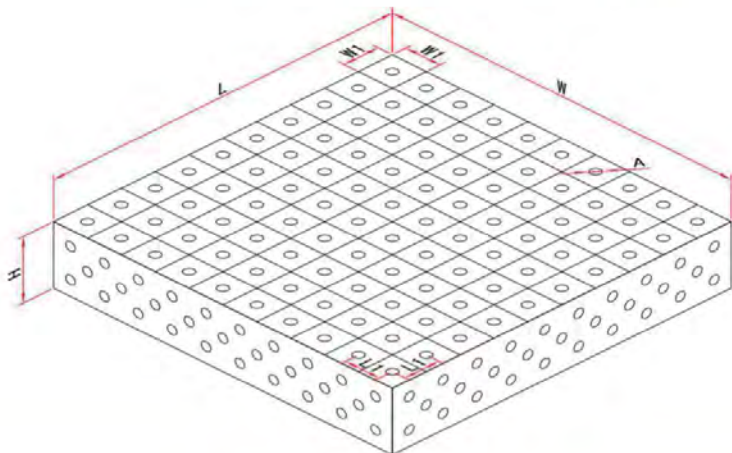


好焊接工作台集焊接、组装和检查功能于一体。具有100%的可交互性可以提高你的工作效率30%~50%。

Good welding workbench integrates welding, assembly and inspection functions. It has 100% Interactivity can improve work efficiency by 30% to 50%.

28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2813001	1000x800x700	310.00	YP1613001	1000x800x700	215.00
YP2813002	1200x800x700	355.00	YP1613002	1200x800x700	240.00
YP2813003	1500x1000x700	500.00	YP1613003	1500x1000x700	310.00
YP2813004	2000x1000x700	615.00	YP1613004	2000x1000x700	395.00

三维柔性焊接平台 3D Flexible Welding Platform



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)

规格 Specifications	材质 Material
1000x1000x100mm	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
1200x1200x100mm	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
1500x1500x100mm	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
2000x1000x100mm	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
2400x1200x100mm	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接

2、孔径 (aperture): $A = \phi 16.065 \text{---} \phi 16.149 \text{mm}$

3、孔距 (Hole spacing): $L1 = 50 \pm 0.05 \text{mm}$

4、刻线 (Scribe): 刻线间距 (Line spacing) $W1 = 50 \pm 0.05 \text{mm}$

5、平面度 (Flatness): $0.1/1000 \text{mm}$

6、垂直度 (Verticality): $0.1/200 \text{mm}$

7、表面粗糙度 (Surface roughness): $Ra 1.6$

8、承重 (Bearing): 标准型 (Standard type) 2T, 框架型 (Frame type) 5T

9、硬度 (hardness): 材料本体硬度 (Hardness of Material Body)



三维柔性焊接平台

焊接工作台带有100×100毫米的网络以及内径为28毫米或16毫米的网孔，可以扩展在所有5个维度方向上进行作业。焊接工作台的尺寸可以扩展。它的成分是高强度的优质钢。每条边都可以通过支撑角和铰链扩展到800毫米。如果使用U型方块和支撑腿，它可以扩展得更长。（通过连接铰链）。

The welding workbench has 100 *100 mm grid system and 28 mm or 16 mm installation mesh holes which can be extended operation in 5 DOF.

The size of the welding workbench can be expanded. Its composition is high quality strength steel.

Each side can be extended to 800 mm by supporting angle and hinge, and even longer if U-shaped blocks and supporting (by connecting hinges).

28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2810001	1000×1000×200	345.00	YP1610001	1000×500×100	82.00
YP2810002	1200×1200×200	455.00	YP1610002	1000×1000×100	156.00
YP2810003	1500×1000×200	480.00	YP1610003	1200×800×100	142.00
YP2810004	1500×1500×200	725.00	YP1610004	1200×1200×100	210.00
YP2810005	2000×1000×200	655.00	YP1610005	1500×1000×100	232.00
YP2810006	2400×1200×200	870.00	YP1610006	1500×1500×100	345.00
YP2810007	3000×1500×200	1365.00	YP1610007	2000×1000×100	297.00
YP2810008	4000×2000×200	2375.00	YP1610008	2400×1200×100	453.00



渗氮炉设备

渗氮，是在一定温度下一定介质中使氮原子渗入工件表层的化学热处理工艺。气体渗氮是把工件放入密封容器中，通以流动的氨气并加热，保温较长时间后，氨气热分解产生活性氮原子，不断吸附到工件表面，并扩散渗入工件表层内，从而改变表层的化学成分和组织，获得优良的表面性能。

渗氮后的工件得到高的表面硬度、耐磨性、疲劳强度、抗咬合性、抗大气和过热蒸汽腐蚀性能力、抗回火软化能力，并降低缺口敏感性。

Nitriding is a heat treatment process in which nitrogen atoms are infiltrated into the workpiece surface in a certain medium and temperature. Gas nitriding is to put the workpiece into a sealed container and heat it with flowing ammonia. After a long time of heat preservation, ammonia thermal decomposition produces active nitrogen atoms, which are continuously adsorbed to the workpiece surface and diffused into the workpiece surface, thus changing the chemical composition and structure of the surface layer and obtaining excellent surface performance.

After nitriding, products can get high surface hardness, wear resistance, fatigue strength, anti-occlusion, anti-atmospheric and superheated steam corrosion, anti-tempering softening ability and notch sensitivity.



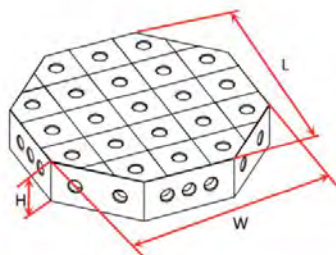
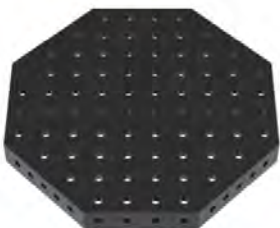
渗氮三维柔性焊接平台

八角焊接工作台 Octangle Welding Table



八角焊接工作台应用于使用定位器的机器人单元中。它具备与三维焊接工作台相同的夹持能力。

Octagonal welding table is used on positioner in robot unit. It has the same clamping ability as the three-dimensional welding table.



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)	
规格 (Specification)	材质 (Material)
800x800x200mm	a. Q345钢板焊接, b. 高硬度钢板焊接
1000x1000x200mm	a. Q345钢板焊接, b. 高硬度钢板焊接
1200x1200x200mm	a. Q345钢板焊接, b. 高硬度钢板焊接
1400x1400x200mm	a. Q345钢板焊接, b. 高硬度钢板焊接
2、孔径 (Hole size): A = ϕ 28.065 — ϕ 28.149mm	
3、孔距 (Hole spacing): L1 = 100 \pm 0.05mm	
4、刻线 (Groove): 刻线间距 (Groove spacing) W1 = 100 \pm 0.05mm	
5、平面度 (Flatness): 0.1/1000mm	
6、垂直度 (Perpendicularity): 0.1/200mm	
7、表面粗糙度 (Surface roughness): Ra1.6	
8、硬度 (Hardness): 材料本体硬度 (Hardness of material body)	

技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)	
规格 (Specification)	材质 (Material)
600x600x100mm	a. Q345钢板焊接, b. 高硬度钢板焊接
800x800x100mm	a. Q345钢板焊接, b. 高硬度钢板焊接
1000x1000x100mm	a. Q345钢板焊接, b. 高硬度钢板焊接
1200x1200x100mm	a. Q345钢板焊接, b. 高硬度钢板焊接
1400x1400x100mm	a. Q345钢板焊接, b. 高硬度钢板焊接
2、孔径 (Hole size): A = ϕ 16.065 — ϕ 16.149mm	
3、孔距 (Hole spacing): L1 = 50 \pm 0.05mm	
4、刻线 (Groove): 刻线间距 (Groove spacing) W1 = 50 \pm 0.05mm	
5、平面度 (Flatness): 0.1/1000mm	
6、垂直度 (Perpendicularity): 0.1/200mm	
7、表面粗糙度 (Surface roughness): Ra1.6	
8、硬度 (Hardness): 材料本体硬度 (Hardness of material body)	

28系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP2812001	800x800x200	220.00
YP2812002	1000x1000x200	310.00
YP2812003	1200x1200x200	405.00
YP2812004	1400x1400x200	615.00

16系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP1620001	600x600x100	58.00
YP1620002	800x800x100	92.00
YP1620003	1000x1000x100	130.00
YP1620004	1200x1200x100	185.00
YP1620005	1400x1400x100	250.00

平台支撑件 Platform support

标准支脚 Standard Legs



标准支脚有多种长度（满足特殊长度需求）。它可被调节至35毫米的高度。

Standard legs have a variety of lengths to meet special length requirements. It can be adjusted to 35 mm height.



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)	
规格 (Specification)	材质 (Material)
Φ89X200MM	45#钢
Φ89X350MM	45#钢
Φ89X450MM	45#钢
Φ89X620MM	45#钢

2、喷漆 (Painting) : 蓝色 (Blue)

3、调节方式 (Adjustment mode) : 螺栓调节脚 (Bolt adjusting foot)

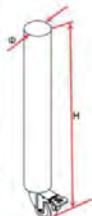
28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2871001	Φ89x200	6.00	YP2871001	Φ89x200	215.00
YP2871002	Φ89x350	7.00	YP2871002	Φ89x350	240.00
YP2871003	Φ89x450	8.50	YP2871003	Φ89x450	310.00
YP2871004	Φ89x620	10.50	YP2871004	Φ89x620	395.00

万向轮支脚(带刹车) Legs With Universal Castor(With Brake)



万向轮支脚(带刹车)给工作台带来的不仅是稳固, 还有灵动。它可以在房间内无限制地被移动, 通过使用刹车可以把它直接锁定在工作区。

The universal wheel support (with brake) brings not only stability but also agility to the worktable. It can be moved everywhere in the room and can be locked directly in the workspace by brakes.



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)	
规格 (Specification)	材质 (Material)
Φ89X200MM	45#钢
Φ89X350MM	45#钢
Φ89X450MM	45#钢
Φ89X620MM	45#钢

2、喷漆 (Painting) : 蓝色 (Blue)

3、移动方式 (Movement mode) : 万向轮 (Universal wheel)

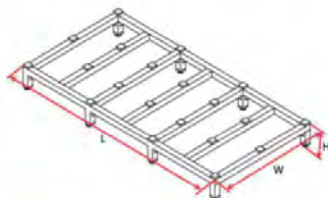
28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2871101	Φ89x200	9.00	YP2871101	Φ89x200	9.00
YP2871102	Φ89x350	10.50	YP2871102	Φ89x350	10.50
YP2871103	Φ89x450	11.00	YP2871103	Φ89x450	11.00
YP2871104	Φ89x620	13.50	YP2871104	Φ89x620	13.50

框架支撑 Frame support



框架支撑特别适用于大型或重工件。结合焊接工作台、由螺栓固定在基础轨道上以确保工作安全。框架的高度是620毫米或350毫米。特殊尺寸可以定制。

The frame support is especially suitable for large or heavy parts. It can be combined with the welding table, fixed on the basic track rails by bolts to ensure the safety. The height of the frame is 620 mm or 350 mm. Special size can be customized.



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)

规格 Specification	材质 Material
1000X1000X400mm	方钢
1200X1200X400mm	方钢
1500X1000X400mm	方钢
1500X1500X400mm	方钢
2000X1000X400mm	方钢
2400X1200X400mm	方钢
3000X1500X400mm	方钢
4000X2000X400mm	方钢

2、喷漆 (Painting): 蓝色 (Blue)

3、调节方式 (Adjustment mode): 螺栓调节脚 (Bolt adjusting feet)

28系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2871301	1000x1000x400	95
YP2871302	1200x1200x400	125
YP2871303	1500x1000x400	175
YP2871304	1500x1500x400	245
YP2871305	2000x1000x400	210
YP2871306	2400x1200x400	31
YP2871307	3000x1500x400	412
YP2871308	4000x2000x400	550

16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP1671301	1000x1000x400	72.00
YP1671302	1200x800x400	68.00
YP1671303	1200x1200x400	97.00
YP1671304	1500x1000x400	132.00
YP1671305	1500x1500x400	205.00
YP1671306	2000x1000x400	188.00
YP1671307	2400x1200x400	275.00

液压剪升降机 Hydraulic Scissor Lift



液压剪升降机配有液压控制系统用于快速高度调整。更容易与重型件的组装与焊接。最大提升重量是2吨。

The hydraulic shear elevator is equipped with hydraulic control system for rapid height adjustment and easy to assemble and weld with heavy parts. The maximum lifting weight is 2 tons.

28系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2871401	2000x1000	385.00
YP2871402	2400x1200	465.00

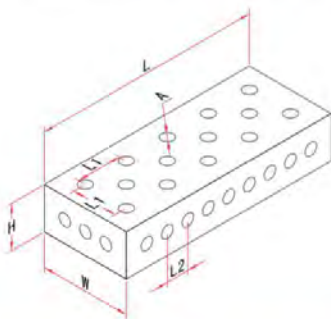
L形方箱 L-Shaped box



L型方块适用于工作台扩展（4边），垂直设置，也作为一个坚固的两个焊接工作台之间的连接。通过与其他方块的衔接实现多重夹持，以满足五面和斜孔加工需求。它被应用于定位高度，扩展宽度和辅助其它配件。

L-shaped blocks are suitable for workbench expansion (4 sides), vertical settings, and also serve as a strong connection between two welding workbenches.

Multi-clamping is realized by linking with other blocks to meet the processing requirements of five-sided and inclined holes. It is used to locate height, extend width and assist other accessories.



技术参数 Technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)

规格 Specification	材质 Material
200x100x50mm	Q345钢板焊接
300x100x50mm	Q345钢板焊接
500x100x50mm	Q345钢板焊接

2、孔径 (mm): A=φ16.065——φ16.149mm

3、孔距 (mm spacing): L1=50±0.05mm, L2=25±0.05mm

4、平面度 (flatness): 0.1/1000mm

5、垂直度 (verticality): 0.1/200mm

6、表面粗糙度 (Surface roughness): Ra3.2

7、硬度 (hardness): 材料本体硬度 (Hardness of Material Body)

28系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2821001	500x200x100	26.00
YP2821002	1000x200x100	52.00
YP2821003	1200x200x100	60.00
YP2821004	1500x200x100	75.00

16系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP1621001	200x100x50	3.00
YP1621002	300x100x50	4.00
YP1621003	500x100x50	6.50

U形方箱 U-Shaped box

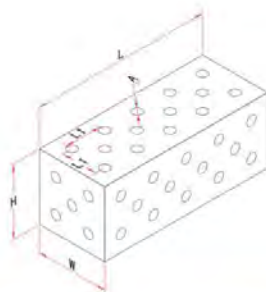


U形方块是适合于工作台扩展(5边), 垂直设置, 也作为一个坚固的两个焊接工作台之间的连接。通过与其它方块的衔接实现多重夹持, 以满足五面和斜孔加工需求。

它被应用于定位高度, 扩展宽度和辅助其它配件。

The U-shaped block is suitable for workbench expansion (5 sides), vertical settings, and also serves as a strong connection between two welding workbenches. Multi-clamping is realized by linking with other blocks to meet the processing requirements of five-sided and inclined holes.

It is used to locate height, extend width and assist other accessories.



技术参数 technical parameter

1. 规格 (LxWxH) 及材质 Specification (LxWxH) and Material	
规格 Specification	材质 Material
150x100x50mm	Q345钢板焊接
250x100x50mm	Q345钢板焊接
300x100x50mm	Q345钢板焊接
200x100x100mm	Q345钢板焊接
300x100x100mm	Q345钢板焊接
500x100x100mm	Q345钢板焊接
1000x100x100mm	Q345钢板焊接
1500x100x100mm	Q345钢板焊接
2. 孔位 (mm): A = φ 16.065 — φ 16.149mm	
3. 孔距 (mm): L1 = 25 ± 0.05mm	
4. 平面度 (mm): 0.1/1000mm	
5. 垂直度 (mm): 0.1/200mm	
6. 表面粗糙度 (Surface roughness): Ra3.2	
7. 硬度 (Hardness): 材料本体硬度 (Material Hardness)	

28系列 series			28系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2821001	500x200x200	55.00	YP2820101	500x200x200	62.00
YP2821002	1000x200x200	102.00	YP2820102	1000x200x200	115.00
YP2821003	1200x200x200	124.00	YP2820103	1200x200x200	138.00
YP2821004	1500x200x200	152.00	YP2820104	1500x200x200	171.00
YP2821005	2000x200x200	200.00	YP2820105	2000x200x200	230.00
YP2821006	2400x200x200	235.00	YP2820106	2400x200x200	270.00
YP2821007	3000x200x200	315.00	YP2820107	3000x200x200	315.00
YP2821008	4000x200x200	418.00	YP2820108	4000x200x200	418.00
YP2821009	1200x400x200	160.00	YP2820109	1200x400x200	170.00
YP2821010	2400x400x200	376.00	YP2820110	2400x400x200	395.00
16系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP1621001	150x100x50	2.50	YP1620004	200x100x100	5.80
YP1621002	250x100x50	4.00	YP1620005	300x100x100	8.00
YP1621003	300x100x50	4.80	YP1620006	500x100x100	13.50

角型支承块 Angular support block

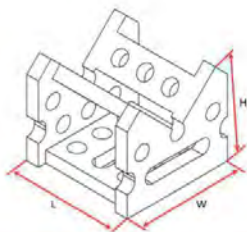


拐角处连接块有定位的功能。它还可以扩展焊接平台。常用作对角桌平台的扩展。

五个夹面用于夹紧，轴承或定位表面。

The corner connection block has the function of positioning. It can expand the welding platform and widely used as an extension of the diagonal table platform.

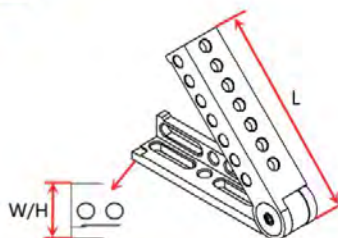
Five clamping surfaces are used for clamping or bearing positioning.



技术参数 technical parameter

1. 规格 (LxWxH) 及材质 (Dimension (L, W, H) and Material)	
规格 Specification	材质 Material
200x200x175 ± 0.1mm	45#钢
2. 孔径 (mm): A = φ28.065 — φ28.149mm	
3. 孔距 (mm spacing): L1 = 50 ± 0.05mm	
4. 垂直度 (mm/m): 0.1/200mm	
5. 表面粗糙度 (Surface roughness): Ra3.2	
6. 硬度 (mm/m): HRC15-28	

角度器 Angular instrument



技术参数 technical parameter

1. 规格 (LxWxH) 及材质 (Dimension (L, W, H) and Material)	
规格 Specification	材质 Material
500X100X100 ± 0.1mm	45#钢
2. 孔径 (mm): A = φ28.065 — φ28.149mm	
3. 孔距 (mm spacing): L1 = 50 ± 0.05mm	
4. 垂直度 (mm/m): 0.1/200mm	
5. 表面粗糙度 (Surface roughness): Ra3.2	
6. 硬度 (mm/m): HRC15-28	

角度调整器通过借助流体力学加紧原理可以保持高强度的张角状态。张角的无级变化范围从0-225°。

The angle adjuster can keep high strength angular structure within the hydrodynamic tightening principle. The free variation range of angle is from 0 to 225 degrees.

28系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP2870001	500x100x100	26.00

16系列 series

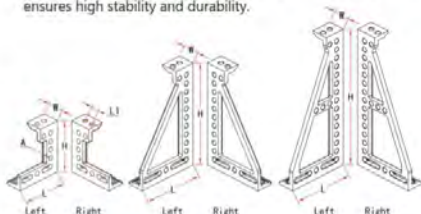
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP1670001	250x50x50	3.00

支撑角铁 Supporting angle iron



支架型用于支撑工件，定位正确的角度和平台扩展。特种铸造保证高稳定性和耐用性。

The bracket block is used to supporting, positioning the required angle and platform expand. Special casting process ensures high stability and durability.



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)

规格 Specifications	材质 Material
150x50x200mm (Left)	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
150x50x200mm (Right)	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
200x50x400mm (Left)	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
200x50x400mm (Right)	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
200x50x600mm (Left)	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接
200x50x600mm (Right)	a、HT300铸造, b、Q345钢板焊接, c、高硬度钢板焊接

2、孔径 (aperture): $A = \phi 1.065 \text{---} \phi 16.149\text{mm}$

3、孔距 (hole spacing): $L1 = 25 \pm 0.05\text{mm}$

4、垂直度 (Verticality): $0.1/200\text{mm}$

5、表面粗糙度 (Surface roughness): $Ra3.2$

6、硬度 (hardness): 材料本体硬度 (Hardness of Material Body)

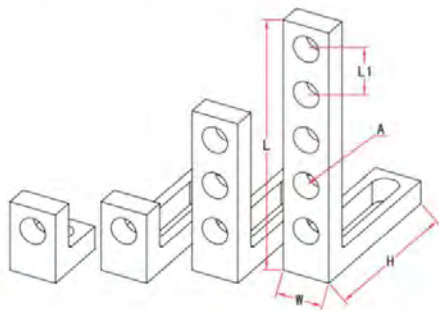
28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP2822101	300x275x100(L)	14.00	YP1622101	200x150x50(L)	2.50
YP2822102	300x275x100(R)	14.00	YP1622102	200x150x50(R)	2.50
YP2822103	600x375x100(L)	25.00	YP1622103	400x200x50(L)	5.00
YP2822104	600x375x100(R)	25.00	YP1622104	400x200x50(R)	5.00
YP2822105	800x375x100(L)	32.00	YP1622105	600x200x50(L)	7.00
YP2822106	800x375x100(R)	32.00	YP1622106	600x200x50(R)	7.00

定位角尺 Positioning angle ruler



定位角尺是一个可调方块，可以多方面地配合钻孔和方孔使用。高度面是可以根据焊接要素的具体要求进行调整的。这个元件非常适用于作为限位块针对于大型工件的加工。

The positioning angle ruler is an adjustable square which can be used in many ways with boreholes and square holes. The height surface can be adjusted according to the specific requirements of welding. This product is very suitable for processing large parts as a limit stop.



技术参数 technical parameter

1. 规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)

规格 (Specification)	材质 (Material)
75x50x75 ± 0.1mm	Q345钢板焊接
175x50x75 ± 0.1mm	Q345钢板焊接
175x50x175 ± 0.1mm(Hole/Hole)	Q345钢板焊接
175x50x175 ± 0.1mm(Slots/Slots)	Q345钢板焊接
175x50x175 ± 0.1mm(Hole/Slots)	Q345钢板焊接
175x50x275 ± 0.1mm	45#钢

2. 孔径 (Hole Dia) A=φ28.065—φ28.149mm

3. 孔距 (Hole Spacing) L1=50±0.05mm

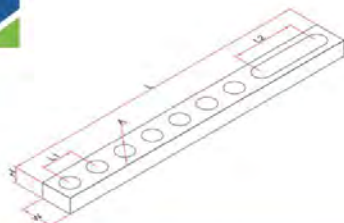
4. 垂直度 (Perpendicularity) 0.1/200mm

5. 表面粗糙度 (Surface Roughness) Ra3.2

6. 硬度 (Hardness) HRC15-28

28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2830001	75x50x75	1.00	YP1630001	50x25x40	0.13
YP2830002	175x50x75	1.50	YP1630002	90x37.5x25	0.15
YP2830003	175x50x175(H/H)	2.50	YP1630003	90x25x90(H/H)	0.28
YP2830004	175x50x175(S/S)	1.80	YP1630004	90x25x90(S/S)	0.20
YP2830005	175x50x175(H/S)	2.20	YP1630005	90x25x90(H/S)	0.24
YP2830006	275x50x175	3.00	YP1630006	140x25x90	0.32

定位平尺 Positioning ruler



技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)		
规格 Specification	材质 Material	
100x50x25 ± 0.1mm	45#钢	
150x50x25 ± 0.1mm	45#钢	
225x50x25 ± 0.1mm	45#钢	
300x50x25 ± 0.1mm	45#钢	
500x50x25 ± 0.1mm	45#钢	
800x100x25 ± 0.1mm	45#钢	
1000x100x25 ± 0.1mm	45#钢	

2、孔径 (mm): A = $\phi 28.065$ — $\phi 28.149$ mm

3、孔距 (mm): L1 = 50 ± 0.05 mm; L2 = 100 ± 0.05 mm

4、平面度 (mm): 0.1/1000mm

5、表面粗糙度 (Surface roughness): Ra3.2

6、硬度 (Hardness): HRC18-25

定位平尺可以通过贯穿两组钻孔将两部分紧密连接在一起。它特别在受限制空间里有非常有用。

The positioning ruler can tightly connect the two parts through two groups of boreholes. It is particularly useful in restricted spaces.

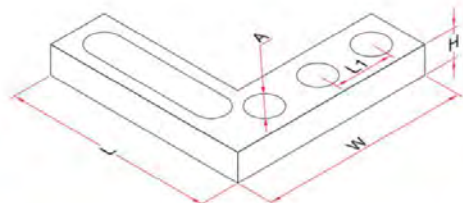
28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2831001	100x50x25	0.80	YP1631001	50x25x12	0.10
YP2831002	150x50x25	0.80	YP1631002	90x25x12	0.12
YP2831003	225x50x25	1.30	YP1631003	110x25x12	0.15
YP2831004	300x50x25	2.00	YP1631004	140x25x12	0.20
YP2831005	500x75x25	5.80	YP1631005	190x25x12	0.25
YP2831006	800x75x25	9.00	YP1631006	250x50x12	1.00
YP2831007	1000x100x25	12.00	YP1631007	400x50x12	1.60

平面角尺 Planar angle ruler



平面角尺可以进行任意调整并能精确定位，可以用于45°、90°、135°、180°的定位和夹紧。

The planar angle ruler can be adjusted arbitrarily and positioned accurately. It can be used for positioning and clamping of 45 degree, 90 degree, 135 degree and 180 degree.



技术参数 technical parameter

- 规格 (LxWxH) 及材质 (Classification (LxWxH) and Material)

规格 Specification	材质 Material
175x175x25 ± 0.1mm	45#钢
500x375x25 ± 0.1mm	45#钢
275x175x25 ± 0.1mm	45#钢
- 孔径 (Aperture): A = φ 28.065 — φ 28.149mm^{5#} 钢
- 孔距 (Pitch spacing): L1 = 50 ± 0.05mm
- 平面度 (Flatness): 0.1/1000 mm
- 垂直度 (Perpendicularity): 0.1/200mm
- 表面粗糙度 (Surface roughness): Ra3.2
- 硬度 (Hardness): HRC18-25

28系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2832001	175x175x25	2.00
YP2832002	275x225x25	3.00
YP2832003	325x225x25	3.50
YP2832004	500x375x25	12.00

16系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP1632002	90x90x12	0.17
YP1632003	275x200x12	1.60

V型定位件 V-type positioner



V型定位件主要用于管件的定位和支撑, 可以把V型定位件插在平台或其他定位元件的任何孔内支撑定位工件。

The V-type positioning product is mainly used for positioning and supporting for pipe fittings. It can be inserted into any hole of platform or other positioning elements to support positioning work pieces.

技术参数 technical parameter

- 规格 (LxWxH) 及材质 (Classification (LxWxH) and Material)

规格 Specification	材质 Material
175x175x25 ± 0.1mm	45#钢
500x375x25 ± 0.1mm	45#钢
275x175x25 ± 0.1mm	45#钢
- 孔径 (Aperture): A = φ 28.065 — φ 28.149mm
- 孔距 (Pitch spacing): L1 = 50 ± 0.05mm
- 平面度 (Flatness): 0.1/1000 mm
- 垂直度 (Perpendicularity): 0.1/200mm
- 表面粗糙度 (Surface roughness): Ra3.2
- 硬度 (Hardness): HRC18-25

28系列 series

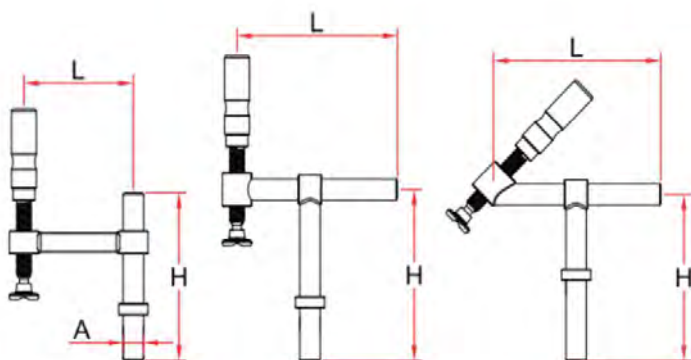
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2833001(FE)	Φ58X50(H)-90°	0.55
YP2833101(AI)	Φ58X50(H)-90°	0.70
YP2833201(NI)	Φ58X50(H)-90°	0.70
YP2833002(FE)	Φ58X50(H)-120°	0.58
YP2833102(AI)	Φ58X50(H)-120°	0.70
YP2833202(NI)	Φ58X50(H)-120°	0.70
YP2833003(FE)	Φ58X50(H)-150°	0.66
YP2833103(AI)	Φ58X50(H)-150°	0.70
YP2833203(NI)	Φ58X50(H)-150°	0.70
YP2833004	Φ110X120(H)-120°	3.00
YP2833005	Φ140X120(H)-140°	5.00

28系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP1633001(FE)	Φ50x34-90°/120°	0.30
YP1633101(AI)	Φ50x34-90°/120°	0.10
YP1633201(NI)	Φ50x34-90°/120°	0.06
YP1633002(FE)	Φ70x34-120°	0.50
YP1633102(AI)	Φ70x34-120°	0.18
YP1633202(NI)	Φ70x34-120°	0.10



螺旋压紧器 Compressor



固定式

可调节式

45度式

压紧件分为固定式、可伸缩式、45° 90° 180° 压紧器。

压紧器用于工件的压紧和固定，在不同定位情况下工件可能活动时选择不同的压紧器，来固定工件。

The compressors are divided into fixed type, divine retractable type and 45/90/180 degree compactor.

Compressor is used for fixing parts. When the parts may move under different positions, so different compactors are selected to fix them.

技术参数 technical parameter

1、名称/规格 (LxH) Name/Specification (LxH)	
名称 Name	规格 Specification
固定式	150x300mm
固定式	150x500mm
可调节式	300x300mm
可调节式	300x500mm
45度式	300x300mm
45度式	300x500mm
2、外径 (OUTER DIAMETER) : A=φ27.979——φ28.000mm	
3、表面粗糙度 (SURFACE FINISH) : Ra3.2	



YP2854101



YP2854102



YP2854103



YP2853201



YP2850201



YP2851101

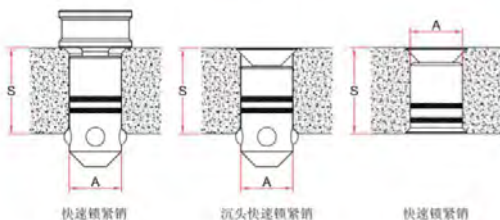
28系列 series			28系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2850001	300x300	2.50	YP1650101	200x200	1.50
YP2850101	300x300	2.50	YP1650201	200x200	1.50
YP2850201	300x300	2.50	YP1650301	200x200	1.50
YP2851001	300x150	1.80	YP1651101	200x200	1.00
YP2851101	300x150	1.80	YP1651201	200x200	1.00
YP2852001	300x300	2.50	YP1652101	200x200	1.50
YP2852101	300x300	2.50	YP1652201	200x200	1.50
YP2853201	300x300	2.50	YP1652301	200x200	1.50
YP2854001	YP-12132	0.80	YP1654001	YP-12132	0.60
YP2854002	YP-305-CM	0.80	YP1654002	YP-305-CM	0.60
YP2854002	YP-304-CM		YP1654002	YP-304-EM	
YP2854003	YP-203-FL	0.80	YP1654101	YP-12130	1.00
YP2854101	YP-12265	1.30	YP1654102	YP-305-EM	1.00
YP2854102	YP-305-EM	1.30	YP1654102	YP-304-EM	
YP2854102	YP-304-EM		YP1654103	YP-200-WL	1.00
YP2854103	YP-200-WL	1.30			

锁紧销 Lock pin



固定螺栓对于整个系统而言是一个基本加紧元件。它经过热处理，研磨和抛光。所有零件都可以通过固定螺栓紧密地结合在一起。

The fixed bolt is a basic tightening element in the whole system. It is heat treated, grounded and polished. All parts can be tightly bonded together by our high tightening performance bolts.



快速锁紧销

沉头快速锁紧销

快速锁紧销

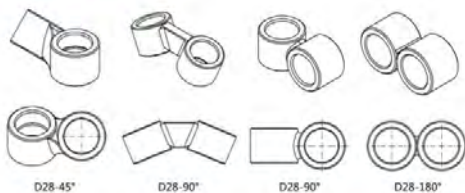
技术参数 Technical parameter

1. 规格 (LxWxH) 及材质 (Specification (LxWxH) and Material)	
规格 (Specification)	材质 (Material)
快速锁紧销/S=50 ± 5mm	45#钢
快速锁紧销/S=75 ± 5mm	45#钢
沉头快速锁紧销/S=50 ± 5mm	45#钢
沉头快速锁紧销/S=75 ± 5mm	45#钢
沉头锁紧销/S=50 ± 5mm	45#钢
沉头锁紧销/S=75 ± 5mm	45#钢
2. 外径 (Outside diameter): A = φ27.979 — φ28.000mm	
3. 表面粗糙度 (Surface roughness): Ra0.8	
4. 硬度 (Hardness): HRC28-32	

<p>快速锁紧销 Fast locking pin</p> <p>快速锁紧销可用于经常需要拆卸的地方 Fast locking pins can be used where they are often disassembled.</p>	<p>磁性锁紧销 Magnetic lock pin</p> <p>磁性锁紧销用于特殊场合需要磁性固定之工具 A tool for fast clamping, threadless applications with magnetic locks.</p>	<p>手柄型锁紧销 Handle type locking pin</p> <p>手柄型锁紧销可用于不能安装普通锁紧销的地方 Handle-type locking pins can be used where it is not often necessary to be disassembled.</p>	<p>沉头锁紧销 Headless type locking pin</p> <p>沉头锁紧销可用于不能安装普通锁紧销的地方 The counternut locking pins can be used where it is not often necessary to be disassembled.</p>
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28系列 series			16系列 series		
零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)	零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight(Kg)
YP2860001	Φ28x50	0.55	YP1660001	Φ16x24	0.10
YP2860002	Φ28x75	0.70	YP1660002	Φ16x36	0.15
YP2860103	Φ28x50	0.60	YP1660101	Φ16x24	0.10
YP2860201	Φ28x50	0.65	YP1661101	Φ16x24	0.04
YP2861001	Φ28x50	0.20	YP1661102	Φ16x36	0.08
YP2861002	Φ28x75	0.25	YP1662001	Φ28x24	0.04
YP2861101	Φ28x50	0.30	YP1662002	Φ28x36	0.08
YP2862001	Φ28x25	0.30			
YP2862002	Φ28x50	0.35			

夹紧转角套 Clamping corner sleeve



夹紧转角套是钢制抛光过的。组件包括夹紧夹头, 夹紧管和定位螺栓。通过与定位和夹紧螺栓或连接螺栓的配合, 夹紧套筒可以被收紧在一起。

The clamping angle sleeve is made of polished steel. The assembly includes clamping chuck, clamping pipe and tightening bolt. By cooperating with positioning and clamping bolts or connecting bolts, the clamping sleeve can be tightened stably.

技术参数 technical parameter

1、规格 (LxWxH) 及材质 (Specification & Clamping pipe Material)

规格 (Specification)	材质 (Material)
D28X45°	45#钢
D28X90°	45#钢
D28X90°	45#钢
D28X180°	45#钢

2、孔径 (Hole diameter): $A = \phi 16.065 \rightarrow \phi 16.149\text{mm}$

3、孔距 (Pitch): $L1 = 50 \pm 0.05\text{mm}$, $L2 = 25 \pm 0.05\text{mm}$

4、处理方式 (Treatment method): 渗氮发黑 (Nitriding and blackening)

28系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP2880301	$\phi 28901$	0.30
YP2880302	$\phi 28451$	0.30
YP2880303	$\phi 28180$	0.25
YP2880304	$\phi 28901$	0.25

16系列 series

零件号 Part NO.	规格 (毫米) Specification (mm)	重量 (千克) Weight (Kg)
YP2880301	$\phi 16-90^\circ$	0.10
YP2880302	$\phi 16-45^\circ$	0.10
YP2880303	$\phi 16-180^\circ$	0.10
YP2880304	$\phi 16-90^\circ$	0.10

附件车 Clamping corner sleeve



配件车具备足够的空间存放工具

The accessories cart has enough space to store tools



产品概述 Product Overview

铸铁平板又称铸铁平台，在实际应用又分为：检验平台、划线平台、测量平台、装配平台、研磨平台、焊接平台、铆焊平台、基础平台、工作平台、三坐标平台等。

The cast iron workbench is abbreviated as platform. According to practical application, they can be divided into several categories as below: inspection platform, scribed platform, measuring platform, assembly platform, grinding platform, welding platform, riveted platform, foundation platform, working platform, and three-coordinates platform.

产品特点 Product characteristics

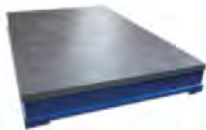
铸铁平台平板总体结构基本上是箱体式和筋板式，工作面有长方形、正方形或圆形，材料为HT200-300，按精度加工划分有：精刨、刮研工艺两种。平板平台工作面上可加工V形、T形、U形槽、燕尾槽、圆孔、长孔等，是用于工件、设备检测、划线、装配、焊接、组装、铆焊的平面基准量具。

The structure of cast iron platform is box type or ribbed type. The working surface is rectangular, square or circular, and the material is HT200 or HT300(GG20 or GG30). There are two types according to the different processing: planing and scraping. The platform can be machined with V-shaped, T-shaped, U-shaped grooves, swallow tail grooves, round holes, long holes. It is basic tools used for parts installation, quality inspection, marking, assembling, welding, or riveting etc.

产品性能 Product performance

铸铁平板(平台)在使用磨损后，可以重新调试或刮研恢复其精度。在正确使用的前提下，铸铁平板可以使用三十年。铸铁平板(平台)也可用涂色法检验零件平面度，具有准确、直观、方便 的优点。在经过刮研的平板平台上推动表座、工件比较顺畅，无发涩感觉，方便了测量，保证了测量准确度。铸铁平板(平台)的铸铁质量和热处理质量也对平板使用性能产生较大影响：或因残存较大内应力使工作面变形；或因不耐磨使精度不能保持；或因刮削困难得不到数值小的粗糙度。因此使用铸铁平板(平台)必须注意生铁材料的选择，采用时效处理等方法消除铸铁平板(平台)的残余应力。

The cast iron platform can be re-debugged or scraped to restore its accuracy after wear. Normally the platform can be used for 30 years under the correct conditions. This platform can also be used to test the flatness of parts by coloring method, which has the advantages of accuracy, intuition and convenience. After scraping and grinding, the measuring gauge and parts can be propelled smoothly on the flat platform without astringency, which facilitates the measurement and ensures the accuracy. The raw material quality and heat treatment of cast iron platform also have a great impact on the service performance, because of the large residual internal stress, the working face is deformed; or wear to lose accuracy; or because of scraping difficulties, the roughness of the plate is bad. Therefore, the iron raw material must be paid attention, our company select HT200 or 300(GG20 or 30) and do the aging treatment to eliminate the residual stress of raw material.



平面焊接平台
Planar Welding Platform

焊接平台用来进行工件的焊接工艺，和铆焊平板不同，上面没有孔，工作面为平面或T型槽。高强度铸铁HT200-300工作面硬度为HB170-240，经过两次人工处理（人工退火600度-700度和自然时效2-3年）使用该产品的精度稳定，耐磨性能好。

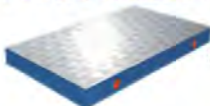
The welding platform is used for the welding process of parts. Normally there are no holes on it and the surface is flat or T-groove. The raw material is high strength cast iron HT200 or 300(GG20 or GG30), the hardness of working surface is HB170-HB240. After two steps of heat treatments (artificial annealing 600-700 degrees and natural aging 2-3 years), the product has stable precision and good wear resistance.

铸铁平台工作面T型槽，主要用来固定工件，是钳工工人用来调试设备，装配设备，维修设备的基础工作平面。

The T-groove of cast iron platform working surface is mainly used to fix parts. It is the basic working plane for debug, assemble and repair.



焊接T型槽平板
Welded T-groove plate



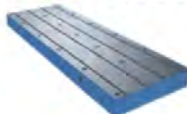
检验平台
Inspection Platform

适用于各种检验工作，精密测量用的基准平面；用于机床机械检验测量基准；检查零件的尺寸精度或形位公差，并作精密划线，在机械制造中也是不可缺少的基本工具。

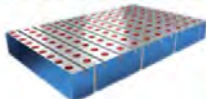
The inspection platform is basic tool in quality control. It is suitable for all kinds of inspection work and precise measurement of the reference plane, used for machine tool measurement, checking the tolerance of parts including the dimension and position.

焊接平台一般只要采用正确的方法使用和保养，使用寿命很长，工作面的精度可以保持使用2年以上。

The welded platform is used and maintained in the right way and It can keep long service life. The accuracy of working surface can be maintained for more than 2 years.



焊接平板
Welded plate



铆焊平板
Riveted plate

高强度铸铁HT200-300工作面硬度为HB170-240，经过两次人工处理（人工退火600度-700度和自然时效2-3年）使用铆焊平板/铆焊平台精度稳定，耐磨性能好。

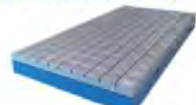
The hardness of HT200-300 working face of high strength cast iron is HB170-240. After two manual treatments (artificial annealing 600 degrees-700 degrees and natural aging 2-3 years), the riveting plate/riveting platform has stable precision and good wear resistance.

适用于各种检验工作，精密测量的基准平面，用于机床检验测量基准；检查零件的尺寸精度或形位偏差，并做精密划线，在机械制造中也是不可缺少的基本工具。

The scraping and lapping platform is basic tool in machine manufacturing. It is suitable for all kinds of inspection work, precise measurement of the reference plane, for machine tool inspection and measurement benchmark, for checking the dimensional accuracy or form and position deviation of parts and components, and for precise marking.



刮研平板
Scraping and lapping plate



装配平板
Assembly plate

装配平台应用于动力机械设备的装配及调试，表面带有T形槽，可以固定动力机械设备，要求较大的装配平台，可以拼装使用。

The assembly platform is used in the assembly and debugging of machinery equipment. It has T-groove on the surface and can fix machinery equipment. It requires a larger working surface and can be assembled.