The company develops zero-point quick-change systems, produces and sells various types of precision vises, zero-point fixtures, self-centering vises, zero-point positioning systems, three-four-five-axis professional fixtures, multi-station vises, multi-station reference seats, etc.

ZPP CNC
Zero Point Prince

ZERO POINT CLAMPING SYSTEM

Accurate • Efficient • Flexible

- Automobile Manufacturing
- Hardware Processing
- Aviation Industry
- Machine Manufacturing
- Heavy Industry

01.Modular 5Axis Pyramid 01

02.Quick Release Jaws Vise 04

03.Manual Vise Series 16

04.Pneumatic Vise Series(With Pressurization) 21

05.Pneumatic Vise Series(Pneumatic Type) 23

06.Zero Point Clamping(Aluminum Base) 25

07.Zero Point Clamping(Steel Base) 27

08.High Precision Zero Point Clamping 37

09.High Precision Pneumatic Zero Point Clamping 41

10.Pull Studs Series 46

11.Dovetail Fixture Series 49

12.ER Clamping Series 52

13.Modular Combination Series 55

14.Modular Set Series 60

15.L Plate Series 63

16.5Axis Pyramid Series 66

17.Run_out Tester 71

18.Unilateral Positioner 74

19.Horizontal Milling Machine Tombstone 76

20.Precision Bench vise 80

21.Hydraulic Stamping Units 83

22.Pneumatic Zero Point Clamp Series 85

01 Modular 5Axis Pyramid

5Axix 4Position System

5Axis Double Workstation install CV255125 vise

5Axis Double Workstation install two CV155125 vises

Modular Combination Show

96mm Vertical And Horizontal Modular Combination

96mm to 52mm Schematic Diagram

96mm Integrated Vertical And Horizontal Zero Point Clamping

52mm and 96mm Vertical And Horizontal Zero Point Clamping

4Axis Modular Combination Kit

4Axis Bridge Plate Installed With 3Statio Vises

4Axis Bridge Plate Installed With 3Station Pneumatic Vises

02 Quick Release Jaws Vise

Quick-Release Self-Centering vise Jaw Description

The quick-Release self-centering vise jaws require no screws for locking. The jaws are fixed through a wedge structure, and can be detached or installed in just seconds. The installation features high positioning accuracy, with no upward warping of the jaws. Different types of jaws can be quickly switched to meet various machining requirements.

Vise Operating Instruction

Aluminum Soft Jaw

Install Jaws In Reverse

Quick Release Aluminum Jaw Installation Diagram

Double Station vise

Accessory Series

Quick Release Hardened Jaws

Aluminum Jaws

Vise clamp mounting block

Quick Release Vise Screw Kit

Aluminum Jaw Quick Release Kit

Manual Quick Release Series HP10077

HP10077 (Steel Jaw)

Product Parameter

- Model: HP10077 (Steel Jaw)
- Size: 100*77*57mm
- Material: Hardened Steel
- Forward Clamping: 0-37mm
- Reverse Clamping: 43-70mm
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 2.25kg

HP10077 (Aluminum Jaw)

Product Parameter

- Model: HP10077 (Aluminum Jaw)
- Size: 100*77*80mm
- Material: Hardened Steel + Aluminum Jaw
- Forward Clamping: 77*100mm (Clamping Range)
- Aluminum Jaw: 77*45*30mm(Size can be customized)
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 2.8kg

Manual Quick Release Series HP15077

HP15077 (Steel Jaw)

Product Parameter

- Model: HP15077 (Steel Jaw)
- Size: 150*77*57mm
- Material: Hardened Steel
- Forward Clamping: 0-85mm
- Reverse Clamping: 43-120mm
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 2.8kg

HP15077 (Aluminum Jaw)

Product Parameter

- Model: HP15077 (Aluminum Jaw)
- Size: 150*77*80mm
- Material: Hardened Steel + Aluminum Jaw
- Forward Clamping: 77* 150mm (Clamping Range)
- Aluminum Jaw: 77*45*30mm(Size can be customized)
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 3.5kg

Manual Quick Release Series HP15077

HP15077 (Double Jaw)

Product Parameter

- Model: HP15077 (Double Jaw)
- Size: 150*77*57mm
- Material: Hardened Steel
- Forward Clamping: 0-37mm
- Reverse Clamping: 26-54mm
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 3.2kg

Manual Quick Release Series HP155130

HP155130 (Steel Jaw)

Product Parameter

- Model: HP155130 (Steel Jaw)
- Size: 155*130*74.5mm
- Material: Hardened Steel
- Forward Clamping: 0-78mm
- Reverse Clamping: 56-125mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 6.7kg

Manual Quick Release Series HP155130

HP155130 (Aluminum Jaw)

Product Parameter

- Model: HP155130 (Aluminum Jaw)
- Size: 155*130*93mm
- Material: Hardened Steel + Aluminum Jaw
- Forward Clamping: 130*150mm (Clamping Range)
- Aluminum Jaw: 130*50*35mm(Size can be customized)
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 7.3kg

HP155130 (Double Station)

Product Parameter

- Model: HP155130 (Double Station)
- Size: 155*130*74.5mm
- Material: Hardened Steel
- Forward Clamping: 0-33mm
- Reverse Clamping: 38-57mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 7.4kg

Manual Quick Release Series HP255130

HP255130 (Base Series)

Product Parameter

- Model: HP255130 (Base Series)
- Size: 330*175*124mm
- Material: Hardened Steel
- Forward Clamping: 0-177mm
- Reverse Clamping: 56-225mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 15.3kg

HP255130 (Steel Jaw)

Product Parameter

- Model: HP255130 (Steel Jaw)
- Size: 255*130*74.5mm
- Material: Hardened Steel
- Forward Clamping: 0-177mm
- Reverse Clamping: 56-225mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 9.5kg

Manual Quick Release Series HP255130

HP255130 (Aluminum Jaw)

Product Parameter

- Model: HP255130 (Aluminum Jaw)
- Size: 255*130*93mm
- Material:Hardened Steel + Aluminum Jaws
- Forward Clamping: 130*250mm (Clamping Range)
- Aluminum Jaws: 130*50*35(Size can be customized)
- Clamping force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 9.8kg

HP255130 (Double Station)

Product Parameter

- Model: HP255130 (Double Station)
- Size: 255*130*74.5mm
- Material:Hardened Steel
- Forward Clamping: 0-82mm
- Reverse Clamping: 38-106mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 10.2kg

Manual Quick Release Series HP300160

HP300160 (Base Series)

Product Parameter

- Model: HP300160 (Base Series)
- Size: 375*205*136.5mm
- Material:Hardened Steel
- Forward Clamping: 0-209mm
- Reverse Clamping: 76-275mm
- Clamping Force: 22KN@80Nm
- Maximum Torque: 80Nm
- Weight: 23.8kg

HP300160 (Steel Jaw)

Product Parameter

- Model: HP300160 (Steel Jaw)
- Size: 300*160*86.5mm
- Material: Hardened Steel
- Forward Clamping: 0-209mm
- Reverse Clamping: 76-225mm
- Clamping Force: 22KN@80Nm
- Maximum Torque: 80Nm
- Weight: 15.7kg

Manual Quick Release Series HP300160

HP300160 (Aluminum Jaw)

Product Parameter

- Model: HP300160 (Aluminum Jaw)
- Size: 300*160*107mm
- Material: Hardened Steel + Aluminum Jaw
- Forward Clamping: 160* 310mm(Clamping Range)
- Aluminum Jaw: 160*55*40(Size can be customized)
- Clamping Force: 22KN@80Nm
- Maximum Torque: 80Nm
- Weight: 16.2kg

HP300160 (Double Station)

Product Parameter

- Model: HP300160 (Double Station)
- Size: 300*160*86.5mm
- Material: Hardened Steel
- Forward Clamping: 0-98mm
- Reverse Clamping: 48-131mm
- Clamping Force: 22KN@80Nm
- Maximum Torque: 80Nm
- Weight: 16.8kg

Manual Quick Release Series CP155130

CP155130(Circular Base)

Product Parameter

- Model: CP155130(Circular Base)
- Size: D198*89.5mm
- Material: Hardened Steel
- Forward Clamping: 0-78mm
- Reverse Clamping: 56-125mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 11kg

The circular base vise can be directly installed on the 5-axis or can be combined with the zero point clamping for quick replacement and assembly.

03 Manual Vise Series

Vise Description

A vise that can clamp circle materials, with adjustable range and the clamping depth of 4mm

Jaw Installation Diagram

Accessory Series

Vise Jaw

Aluminum Jaw

Screw Kit

Vise clamp mounting block

Manual Series CV10075

CV10075(Steel Jaw)

Product Parameter

- Model: CV10075(Steel Jaw)
- Size: 100*75*56mm
- Material: Hardened Steel
- Forward Clamping: 0-41mm
- Reverse Clamping: 41-76mm
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 2.3kg

Manual Series CV15075

CV15075(Steel Jaw)

Product Parameter

- Model: CV15075(Steel Jaw)
- Size: 150*75*56mm
- Material: Hardened Steel
- Forward Clamping: 0-90mm
- Reverse Clamping: 41-126mm
- Clamping Force: 14KN@60Nm
- Maximum Torque: 60Nm
- Weight: 3kg

Manual Series CV155125

CV155125(Steel Jaw)

Product Parameter

- Model: CV155125(Steel Jaw)
- Size: 155*125*74.4mm
- Material: Hardened Steel
- Forward Clamping: 0-76mm
- Reverse Clamping: 56-127mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 7kg

Manual Series CV255125

CV255125(Steel Jaw)

Product Parameter

- Model :CV255125(Steel Jaw)
- Size: 255*125*74.4mm
- Material:Hardened Steel
- Forward Clamping: 0-177mm
- Reverse Clamping: 56-228mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 8.6kg

Manual Series DV155125

DV155125(Steel Jaw)

Product Parameter

- Model : DV155125(Steel Jaw)
- Size: 155*125*74.1mm
- Material:Hardened Steel
- Clamping Range: ø38- ø138mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 6.8kg

Manual Series TB255125

TB255125 (Double Station)

Product Parameter

- Model: TB255125 (Double Station)
- Size: 255*125*74.4mm
- Material:Hardened Steel
- Forward Clamping: 0-74mm
- Reverse Clamping: 32-110mm
- Clamping Force: 20KN@75Nm
- Maximum Torque: 75Nm
- Weight: 9.6kg

04 Pneumatic Vise Series(With Pressurization)

Pneumatic Vise Description

The pneumatic vise is integrally processed from heat-treated steel. It can be equipped with aluminum or steel jaws, with adjustable clamping range. It features pressure maintenance, and comes with air release and pressure boost interfaces, further enhancing the clamping force.

01 Jaw
02 Jaw Install block
03 Vise clamp mounting block
04 Lubricant Fill Port
05 Supercharger Air Intake
06 Unclamp
07 Vise Base

Forward Installation Jaws

Reverse Mounting Jaws

Reverse Backspace Mounting Jaw

Reverse Jaw Clamping Material

Aluminum Jaw Installation Diagram

Aluminum Jaw Diagram

Pneumatic Vise Series AH160

AH160(Pneumatic Vise)

Product Parameter

- Model AH160 (Pneumatic Vise)
- Size: 160*145*130mm
- Material: Hardened Steel
- Forward Clamping: 10-51mm/55-95mm 52-54mm (No within the clamping range)
- Reverse Clamping: 55-91mm/100-138mm 92-99mm (No within the clamping range)
- Clamping Force: 15KN@7bar(with pressurization)
- Weight: 16.5kg

05 Pneumatic Vise Series(Pneumatic Type)

Pneumatic Vise Description

The pneumatic vise adopts hard aluminum as the base material. The guide rail plate and jaw mounting slider are integrally processed and formed using heat-treated steel. It can install aluminum jaws and steel jaws, as well as hardened toothed jaws. The position of the toothed jaws can be adjusted based on the product size, providing flexibility and convenience. It can clamp rough materials and also process profiled jaws to meet various processing needs.

01 Adjustable Hard Jaw
02 Aluminum Jaws
03 Hardened vise Clamp Mounting Block
04 Vise Base
05 Hardened Guide Rail
06 Air In
07 Air Out

Jaw Assembly And Disassembly Diagram

Pneumatic Vise Series AR155-I

AR155-1 (Single Station)

Product Parameter

- Model: AR155-I(Single Station)
- Size: 155*155*126mm
- Material: Hardened Steel + Aluminum Base
- Jaw Width: 130mm(Size can be customized)
- Clamping Range: 130*145mm
- Clamping Force: 8-10KN@6-7bar
- Weight: 9.0kg

Pneumatic Vise Series AR155-II

AR155-II(Double Station)

Product Parameter

- Model: AR155-II(Double Station)
- Size: 155*155*126mm
- Material: Hardened Steel + Aluminum Base
- Jaw Width: 130mm(Size can be customized)
- Clamping Range: 130*65mm
- Clamping Force: 8-10KN@6-7bar
- Weight: 8.5kg

06 Zero Point Clamping(Aluminum Base)

Zero Point Clamping Description

Manual Zero Point Clamping (Economy Version) TA52

TA52-108

Product Parameter

- Model: TA52-108
- Size: 108*108*25mm
- Material: Hardened Aluminum + Steel Ring
- Weight: 1.1kg
- Mounting Hole: 4-M10
- Locking Force: 17KN

Manual Zero Point Clamping (Economy Version) TA9652

TA9652-155

Product Parameter

- Model: TA9652-155
- Size: 155*155*30mm
- Material: Hardened Aluminum + Steel Ring
- Weight: 2.2kg
- Mounting Hole: 4-M10
- Locking Force: 17KN

07 Zero Point Clamping(Steel Base)

Zero Point Clamping Description

Manual Zero Point Clamping(Precision Type) TS52

TS52-96 (Converter Plate)

Product Parameter

- Model:TS52-96 (96mm to 52mm)
- Size: 125*125*25mm
- Material: Hardened Stainless Steel
- Weight: 2.5kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

TS52-108

Product Parameter

- Model:TS52-108
- Size: 108*108*25mm
- Material: Hardened Stainless Steel
- Weight: 1.9kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

Manual Zero Point Clamping(Precision Type) TS52

TS52-120

Product Parameter

- Model:TS52-120
- Size:D120*25mm
- Material: Hardened Stainless Steel
- Weight: 1.7kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

TS52-170

Product Parameter

- Model:TS52-170
- Size: D170*25mm
- Material: Hardened Stainless Steel
- Weight: 3.7kg
- Mounting Hole: 6-M10
- Locking Force: 18KN

Manual Zero Point Clamping(Precision Type) TS52

TS52-210

Product Parameter

- Model:TS52-210
- Size: 210*108*25mm
- Material: Hardened Stainless Steel
- Weight: 3.6kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

TS52-210BS

Product Parameter

- Model:TS52-210BS
- Size: 275*153*75mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 7.9kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

Manual Zero Point Clamping(Precision Type) TS9652

TS9652-155

Product Parameter

- Model:TS9652-155
- Size:155*155*30mm
- Material: Hardened Stainless Steel
- Weight: 4.6kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

Manual Through-Hole Zero Point Clamping (Precision Type) TO9652

TO9652-200

Product Parameter

- Model:TO9652-200
- Size: D200*30mm
- Material: Hardened Stainless Steel
- Weight: 6.4kg
- Mounting Hole: 6-M10
- Locking Force :20KN

Manual Zero Point Clamping(Precision Type) TS96

TS96-155

Product Parameter

- Model: TS96-155
- Size: 155*155*30mm
- Material: Hardened Stainless Steel
- Weight: 4.8kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

TS96-178

Product Parameter

- Model :TS96-178
- Size: D178*30mm
- Material: Hardened Stainless Steel
- Weight: 4.2kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

Manual Zero Point Clamping(Precision Type) TS96

TS96-200

Product Parameter

- Model: TS96-200
- Size: D200*30mm
- Material: Hardened Stainless Steel
- Weight: 6.5kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

Manual Through-Hole Zero Point Clamping (Precision Type) TO96

TO96-200

Product Parameter

- Model:TO96-200
- Size: D200*30mm
- Material: Hardened Stainless Steel
- Weight: 6.2kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

Manual Zero Point Clamping(Precision Type) TS96

TS96-340BS

Product Parameter

- Model:TS96-340BS
- Size:415*200*100mm
- Material:Hardened Stainless Steel + Aluminum Base
- Weight:23.5kg
- Mounting Hole:10-M12
- Locking Force:20KN

TS96-340

Product Parameter

- Model: TS96-340
- Size: 340*155*30mm
- Material: Hardened Stainless Steel
- Weight:10.6kg
- Mounting Hole: 4-M10
- Locking Force: 20KN

Manual Zero Point Clamping(Precision Type) TS9652

TS9652-200

Product Parameter

- Model:TS9652-200
- Size: D200*30mm
- Material: Hardened Stainless Steel
- Weight: 6.4kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

Manual Through-Hole Zero Point Clamping (Precision Type) TO96130

TO96130-255

Product Parameter

- Model:TO96130-255
- Size: D255*30mm
- Material: Hardened Stainless Steel
- Weight: 9.7kg
- Mounting Hole: 6-M12
- Locking Force: 20KN

Manual Zero Point Clamping(Precision Type) TS130

TS130-195

Product Parameter

- Model: TS130-195
- Size: 195*195*30mm
- Material: Hardened Stainless Steel
- Weight: 7.5kg
- Mounting Hole:6-M12
- Locking Force: 20KN

TS96130-195

Product Parameter

- Model: TS96130-195
- Size: 195*195*30mm
- Material: Hardened Stainless Steel
- Weight:7.2kg
- Mounting Hole: 6-M12
- Locking Force: 20KN

08 High Precision Zero Point Clamping

Zero Point Clamping Description

High-precision manual Zero Point Clamping achieves loosening and locking by rotating the screw. four pull studs are positioned through tapered holes while simultaneously locking vertically downward, automatically compensating for the center position with zero clearance and high precision.

01 Pull Studs

02 Screw Dust Cover

03 Zero Point Base

04 Error-proof Screw Hole

05 Center datum Hole

06 Locking Cam

07 Drive Screw

08 Pull Studs

(Install for 96mm Zero Point Clamping)

Manual Zero Point Clamping（High Precision） PM52

PM52-120

Product Parameter

- Model:PM52-120
- Size: 120*120*30mm
- Material: Hardened Stainless Steel
- Weight: 2kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

PM52-139

Product Parameter

- Model: PM52-139
- Size: D139*30mm
- Material: Hardened Stainless Steel
- Weight: 2.85kg
- Mounting Hole: 4-M10
- Locking Force: 18KN

Manual Zero Point Clamping（High Precision） PM96

PM96-175BS(Base)

Product Parameter

- Model:PM96-175BS
- Size: 250*200*80mm
- Material: Hardened Stainless Steel
- Weight: 10.4kg
- Mounting Hole: 4-M12
- Locking Force: 20KN

PM96-175

Product Parameter

- Model: PM96-175
- Size: 175*155*30mm
- Material: Hardened Stainless Steel
- Weight: 5.3kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

Manual Zero Point Clamping（High Precision） PM96

PM96-160

Product Parameter

- Model:PM96-160
- Size: 160*160*30mm
- Material: Hardened Stainless Steel
- Weight: 4.9kg
- Mounting Hole: 6-M10
- Locking Force: 20KN

PM96-200

Product Parameter

- Model:PM96-200
- Size:D200*30mm
- Material: Hardened Stainless Steel
- Weight: 6.4kg
- Mounting Hole: 8-M10
- Locking Force: 20KN

09 High Precision Pneumatic Zero Point Clamping

Pneumatic Zero Point Clamping Description

High-precision pneumatic Zero Point Clamping locks through air pressure interruption and unlocks with air supply. four pull studs are positioned through tapered holes while vertically downward positioning and locking, automatically compensating the center position with zero clearance and high precision. The release mechanism includes lifting to prevent fixture adhesion due to air tightness, enabling quick change and disassembly. It can be applied in automation through electronic control

Pneumatic Zero Point Clamping（High Precision） AP52

AP52-125

Product Parameter

- Model: AP52-125
- Size: 125*125*30mm
- Material: Hardened Stainless Steel
- Weight: 2.8kg
- Mounting Hole: 4-M10
- Locking Force: 20KN@7bar

AP52-139

Product Parameter

- Model: AP52-139
- Size: D139*30mm
- Material: Hardened Stainless Steel
- Weight: 2.7kg
- Mounting Hole: 4-M10
- Locking Force: 20KN @7bar

Pneumatic Zero Point Clamping（High Precision） AP52

AP52-230

Product Parameter

- Model: AP52-230
- Size: 230*125*30mm
- Material: Hardened Stainless Steel
- Weight: 5.2kg
- Mounting Hole: 6-M10
- Locking Force: 20KN@7bar

AP52-2304

Product Parameter

- Model: AP52-2304
- Size: 230*230*30mm
- Material: Hardened Stainless Steel
- Weight: 9.2kg
- Mounting Hole: 10-M10
- Locking Force: 20KN@7bar

Pneumatic Zero Point Clamping（High Precision） AP96

AP96-160

Product Parameter

- Model: AP96-160
- Size: 160*160*30mm
- Material: Hardened Stainless Steel
- Weight: 5.2kg
- Mounting Hole: 4-M10
- Locking Force: 20KN@7bar

AP96-200

Product Parameter

- Model: AP96-200
- Size: D200*30mm
- Material: Hardened Stainless Steel
- Weight: 6.25kg
- Mounting Hole: 4-M10
- Locking Force:20KN@7bar

Pneumatic Zero Point Clamping（High Precision） AP96

AP96-352

Product Parameter

- Model: AP96-352
- Size: 352*160*30mm
- Material: Hardened Stainless Steel
- Weight: 11.4kg
- Mounting Hole: 8-M10
- Locking Force: 20KN@7bar

AP96-3604

Product Parameter

- Model:AP96-3604
- Size: 360*360*30mm
- Material: Hardened Stainless Steel
- Weight: 26.6kg
- Mounting Hole: 14-M10
- Locking Force: 20KN@7bar

10 Pull Studs Series

Pull Studs Series PM52

PM52 – Pull Studs

Product Parameter

- Model: PM52 – Pull Studs
- Size: D21.8*29mm
- Material: Hardened Stainless Steel
- Weight: 0.045kg
- Mounting Hole: M8
- Applicable Model:PM52 Series

Pull Studs Series PM96

PM96 – Pull Studs

Product Parameter

- Model: PM96 – Pull Studs
- Size: D21.9*29mm
- Material: Hardened Stainless Steel
- Weight: 0.05kg
- Mounting Hole:M10
- Applicable Model: PM96 Series

Pull Studs Series TS52

TS52- Pull Studs

Product Parameter

- Model: TS52- Pull Studs
- Size: D16*24.56mm
- Material: Hardened Stainless Steel
- Weight: 0.03kg
- Mounting Hole: M8
- Applicable Model: TS52 Series

Pull Studs Series TS96

TS96 – Pull Studs

Product Parameter

- Model:TS96 – Pull Studs
- Size: D20*29mm
- Material: Hardened Stainless Steel
- Weight: 0.046kg
- Mounting Hole: M10
- Applicable Model: TS96 Series

11 Dovetail Fixture Series

Dovetail Fixture Description

Dovetail Fixture V50

V50

Product Parameter

- Model: V50 (Dovetail Fixture)
- Size: 50*50*32mm
- Material: Hardened Stainless Steel
- Clamping Range: 23.5-25mm
- Dovetail Angle: 45°
- Weight: 0.52kg
- Locking Force: 20KN

Dovetail Fixture TS52

TS52-V50

Product Parameter

- Model: TS52-V50 (Dovetail Fixture)
- Size: 74*74*60mm
- Material: Hardened Stainless Steel + Aluminum Base
- Clamping Range: 23.5-25mm
- Dovetail Angle: 45°
- Weight: 1.0kg
- Locking Force: 20KN

Dovetail Fixture TS96

TS96-V50

Product Parameter

- Model: TS96-V50 (Dovetail Fixture)
- Size: 124*124*70mm
- Material: Hardened Stainless Steel + Aluminum Base
- Clamping Range: 23.5-25mm
- Dovetail Angle: 45°
- Weight: 2.0kg
- Locking Force: 20KN

12 ER Clamping Series

ER Clamping Description

ER Clamping Series TS52

TS52-ER32

Product Parameter

- Model: TS52-ER32
- Size: D96*83mm
- Material: Hardened Stainless Steel
- Weight: 2.1kg
- Clamping Range: 2-20mm

TS52-ER40

Product Parameter

- Model:TS52-ER40
- Size: D96*83mm
- Weight: 3.5kg
- Material: Hardened Stainless Steel
- Clamping Range: 3-26mm

ER Clamping Series TS96

TS96-ER32

Product Parameter

- Model:TS96-ER32
- Size: 130*130*116mm
- Material: Hardened Stainless Steel
- Weight: 4.6kg
- Clamping Range: 2-20mm

TS96-ER40

Product Parameter

- Model: TS96-ER40
- Size: 130*130*116mm
- Material: Hardened Stainless Steel
- Weight: 5.8kg
- Clamping Range:3-26mm

13 Modular Combination Series

Zero Point Clamping Description

It can be locked at any angle from 0° to 90°. The angle can be calibrated by dragging the watch on the machine tool through the program. The vise can be quickly changed and disassembled, and can be quickly changed in four directions to achieve 360° fixed-angle processing without dead corners. It is a rear-pull locking type

Modular Combination Series TS52

TS52-0090

Product Parameter

- Model: TS52-0090
- Size: 176*131*108mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 8.8kg
- Locking Force: 18KN
- Locking Method:52 Pull Studs

TS52-120R

Product Parameter

- Model: TS52-120R
- Size: 160*120*105mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 7.8kg
- Rotation Angle: 0-90° Adjustable
- Locking Force: 18KN
- Locking Method:Tension Bolt

Modular Combination Series TS52

TS52-9052

Product Parameter

- Model: TS52-9052
- Size: 130*108*81mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 4.3kg
- Locking Force: 18KN
- Locking Method: 52 Pull Studs

TS52-9096

Product Parameter

- Model: TS52-9096
- Size: 108*108*154mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 4.2kg
- Locking Force: 18KN
- Locking Method: 52 Pull Studs

Modular Combination Series TS96

TS96-0090

Product Parameter

- Model: TS96-0090
- Size: 241*155*181mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 24kg
- Locking Force: 20KN
- Locking Method: 96 Pull Studs

TS96-9096

Product Parameter

- Model: TS96-9096
- Size: 155*155*200mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight:10kg
- Locking Force: 20KN
- Locking Method: 96 Pull Studs

Modular Combination Series TS96

TS96-9690

Product Parameter

- Model:TS96-9690
- Size: 155*130*180mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 12.8kg
- Locking Force: 20KN
- Locking Method: 96 Pull Studs

Zero Point Clamping Centering Shaft

Centering Shaft

Product Parameter

- Size: Customized
- Material: S136H
- Installation: Screw locking

14 Modular Set Series

Module Combination Description

Modular combination of zero point enables rapid production of samples and small batches, minimizes the time spent on making temporary fixtures, not only improves production efficiency but also ensures product accuracy.

The modular combination is flexible and reliable, supporting switching between various forms of combinations for fixtures.

Modular Set Series TS52

TS52 Modular Combination

Product Parameter

- Model: TS52 Modular Combination
- Size: 320*180*183mm
- Material: Hardened Stainless Steel
  + Steel Base Plate
- Weight: 24kg
- Locking Force: 18KN
- Locking Method: 52 Pull Studs

Modular Set Series TS96

TS96 Modular Combination

Product Parameter

- Model: TS96 Modular Combination
- Size: 360*255*238mm
- Material: Hardened Stainless Steel
  + Steel Base Plate
- Weight: 53kg
- Locking Force: 20KN
- Locking Method: 96 Pull Studs

Zero Point Clamping Installation Plate TS52

TS52 Plate Base

Product Parameter

- Model: TS52-TB1
- Size: 320*180*28mm
- Material: S136H
- Weight: 11.3kg
- Mounting Hole: 4-M12

Zero Point Clamping Installation Plate TS96

TS96 Plate Base

Product Parameter

- Model: TS96-TB1
- Size: 360*225*28mm
- Material: S136H
- Weight: 16.3kg
- Mounting Hole: 4-M12

15 L Plate Series

L Plate Description

The 4axis L plate can be directly installed onto the 4axis rotary table by screwing, or a zero point clamping can be installed on the 4axis for quick replacement and installation of the l-plate.

L Plate Series

L170 (L Plate)

Product Parameter

- Model: L170 (L Plate)
- Size: D168*190mm
- Material: Hardened Steel
- Weight: 10.2kg
- Application Range: For ZPPCNC

L200 (L Plate)

Product Parameter

- Model: L200 (L Plate)
- Size: D198*235mm
- Material: Hardened Steel
- Weight: 20.6kg
- Application Range: For ZPPCNC

L Plate Series

L255 (L Plate)

Product Parameter

- Model:L255 (L Plate)
- Size: D248*290mm
- Material: Hardened Steel
- Weight: 31kg
- Application Range: For ZPPCNC

L Plate Centering Shaft

Centering Shaft

Product Parameter

- Size: Customized
- Material: S136H
- Installation Method: Screw locking

16 5Axis Pyramid Series

5Axis Pyramid Description

5Axis pyramid types are available in single station、2station、3station and 4 station configurations. Size and height can be customized, as well as the installation angle of the zero point clamping. Manual or pneumatic zero point clampings can be customized for installation, and the workstation mounting hole positions can be tailored to specific machine requirements.

5Axis Pyramid Series TS52

TS52-3P (3 Station)

Product Parameter

- Model: TS52-3P
- Size: D245*104mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 13.5kg
- Mounting Hole:3-M12
- Clamping Force: 18KN

TS52-215 (Square)

Product Parameter

- Model: TS52-215
- Size: D215*100mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 6.8kg
- Mounting Hole:6-M12
- Clamping Force: 18KN

5Axis Pyramid Series TS96

TO96-276 (Hollow Type)

Product Parameter

- Model:TO96-276
- Size: D276*120mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 15.6kg
- Mounting Hole:8-M12
- Clamping Force: 20KN

TS96-276 (Square)

Product Parameter

- Model:TS96-276
- Size: D276*120mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 15kg
- Mounting Hole:8-M12
- Clamping Force: 20KN

5Axis Pyramid Series TS96

TS96-276 (Circle)

Product Parameter

- Model:TS96-276
- Size: D276*120mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 16.5kg
- Mounting Hole:8-M12
- Clamping Force: 20KN

The 5axis pyramid can be quickly installed vise、three jaw chuck、dovetail fixture and custom fixture, enabling modular clamping.

5Axis Pyramid Series TS96

TS96-3P (3 Station)

Product Parameter

- Model:TS96-3P
- Size: D315*151.7mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 27.6kg
- Mounting Hole: 3-M12
- Clamping Force: 20KN

TS96-4P (4 Station)

Product Parameter

- Model:TS96-4P
- Size: D340*157.6mm
- Material: Hardened Stainless Steel + Aluminum Base
- Weight: 38.2kg
- Mounting Hole: 4-M12
- Clamping Force: 20KN

17 Run_out Tester

Run_out Tester Description

It is very necessary to measure the runout of the cutting tool before it is put on the machine. Correcting the cutting tool can improve the appearance of the product during processing and make the size after processing closer to the processing requirements. At the same time, it can eliminate the need to check the runout of the cutting tool on the machine tool, save the preparation time for machine tool debugging, and improve the production efficiency for medium and small-sized machining enterprises

QUICK OPERATION | PRECISE MEASURE | SMALL AND CONVENIENT

Run_out Tester Standard Version

BT30/BT40 Run_out Tester (Standard Model)

Product Parameter

- Model:BT30/BT40-S
- Size: D132*141.5mm
- Material:Hardened Stainless Steel + POM
- Weight: 4.5kg
- Model Type: BT

Run_out Tester Hand Version

The upgraded tool pendulum is driven by a hand-cranked tool holder. During the hand-cranking process, the tool holder rotates smoothly and flexibly. With the new transmission technology, there is no contact between the hand-cranked rotation shaft and the tool holder rotation shaft, eliminating the precision error caused by contact friction. It can rotate in both forward and reverse directions, and the large handle design allows for slow rotation

BT30/BT40 Run_out Tester (Hand Crank Version)

Product Parameter

- Model:BT30/BT40-H
- Size: D132*141.5mm
- Material:Hardened Stainless Steel + POM
- Weight: 4.5kg
- Model Type: BT

18 Unilateral Positioner

Unilateral Locator Description

Unilateral Positioner Series

DW-1 (Positioner)

Product Parameter

- Model: DW-1 (Positioner)
- Size: 55*18mm
- Material:Hardened Steel + Stainless Steel
- Features: Adjustable positioning length and angle

19 Horizontal Milling Machine Tombstone

Horizontal Milling Machine Tombstone Description

01 Rings

02 Optional Self-centering Vise

03 TS96-340 Zero Point Clamping

04 Multi-station Tombstone

05 Installation Base

Horizontal milling machine square table types include: two-station, three-station, and four-station configurations. Each station zero point clamping can simultaneously accommodate two vises and also supports custom installation of three vises. The height of the square table can be customizable and manual or pneumatic zero point clamping can be custom installed. The worktable mounting hole patterns can be customized

Horizontal Milling Machine Tombstone

Horizontal Milling Machine 3 Station Tombstone （TS96 Type）

TS96-HM400_3P

Product Parameter

- Model: TS96-HM400_3P
- Size: 300*300*428mm
- Material:Zero Point Clamp + Cast Iron
- Weight: 116kg
- Mounting Hole:Customized
- Clamping Force: 20KN

Horizontal Milling Machine Tombstone

Horizontal Milling Machine 4 Statuion Tombstone （TS96 Type）

TS96-HM400_4P

Product Parameter

- Model: TS96-HM400_4P
- Size: 300*300*428mm
- Material: Zero Point Clamp + Cast Iron
- Weight:135kg
- Mounting Hole:Customized
- Clamping Force: 20KN

Zero Point Clamping System | Three Jaw Chuck Series

Type	SC96-125	SC96-160	SC96-200	SC52-80	SC52-100	SC52-130
Chuck OD(mm)	125	160	200	80	100	130
Chuck ID(mm)	30	40	65	16	22	30
Forward clamping(mm)	2.5-40	3-55	4-85	2-22	2-30	2.5-40
Reverse clamping(mm)	38-110	55-145	65-200	22-63	30-80	38-110
Internal stay (mm)	38-125	50-160	65-200	25-70	30-90	38-125
Pull studs hole distance(mm)	96x96	96x96	96x96	52x52	52x52	52x52

20 Precision Bench vise

Precision Bench Vise Description

The clamping and jaw upwards accuracy of the jaws is 0.02mm. It can be positioned and rotated at 45 ° and 90°. It is suitable for cnc product processing. The jaws can be quickly changed, and the profiling jaws can be milled. Various types of jaws can be customized. It can be used for high-precision positioning assembly, debugging, etc., and the profiling assembly clamping position can be determined

Main features：

• High precision, quick-change jaws, customizable various jaws, easy to use, no shaking gap, can be positioned at 45° and 90°of rotation

• It is suitable for dust-free workshops, assembly rooms, laboratories, teaching, sample production and processing, etc

90° diagram

45° diagram

Rear View Diagram at 90°

Rear View Diagram at 0°

0° side view

Bench vise Series

TH1-A (Precision Bench Vise)

Product Parameter

- Model: TH1-A (Precision Bench Vise)
- Size: 577*168*255.6mm
- Material:Hardened Stainless Steel + Aluminum
- Clamping Range: 0-127 (Expandable)
- Weight: 20kg
- Adjustable Angle: 0-90°

21 Hydraulic Stamping Units

Hydraulic Stamping Units Description

It adopts hydraulic drive, with a maximum clamping force of 5 tons and a maximum biting force of 50 kn

The tooth shape of the clamp mouth can be customized. The blank clamping height is 2.5mm, and it is suitable for blanks with hrc45°or less

The stroke size adjustment is quick, with fine-tuning, With rough casting positioning device

Depth after toothed clamping:

For hrc35 and below, the bite depth is 0.25- 0.3mm;

For hrc35-45, the bite depth is 0.15- 0.25mm

Clamping Schematic Diagram

Install To Vise Diagram

Clamp mark

01 Barometer
02 Hydraulic Pressure Gauge
03 Central Engraving Cutter
04 Hydraulic C ylinder Base
05 Push Board
06 Clamping schematic Plate
07 Rings
08 Clamping Schematic Base
09 Adjustable leveling feet
10 Guard Plate
11 Unilateral Positioner
12 Positioning Column Handle
13 Baffle Screw
14 Stroke Position Base

Hydraulic Stamping Units

YC-M1 (Stamping Units)

Product Parameter

- Model: YC-M1 (Stamping Units)
- Size: 635*130*257mm
- Material:Hardened Stainless Steel
- Clamping Range: 20-300mm
- Clamping Force: 50KN
- Weight: 20kg

22 Pneumatic Zero Point Clamp Series

Description

Pneumatic Zero Point Clamp Series ZP Type

ZP130-200 (Square Zero Point Clamping)

Product Parameter

- Model: ZP130-200 (Square Single Station)
- Size: 200*160*55mm
- Material:Hardened Stainless Steel
- Weight: 9.0 kg
- Mounting Hole:4-M12
- Clamping Force: 20KN/7bar

ZP130-168 (Circle Zero Point Clamping)

Product Parameter

- Model: ZP130-168 (Circle Single Station)
- Size: D168*55mm
- Material:Hardened Stainless Steel
- Weight: 4.9kg
- Mounting Hole:4-M12
- Clamping Force: 20KN/7bar

Pneumatic Zero Point Clamp Series ZP Type

ZP130-4018 (Double Station)

Product Parameter

- Model:ZP130-4018 (Double Station)
- Size :400*180*55mm
- Material:Hardened Stainless Steel
- Weight: 20.5 kg
- Mounting Hole: 6-M12
- Clamping Force: 20KN/7bar

ZP130-4036 (Four Station)

Product Parameter

- Model:ZP130-4036 (Four Station)
- Size :400*360*55mm
- Material:Hardened Stainless Steel
- Weight: 41.0kg
- Mounting Hole: 9-M12
- Clamping Force: 20KN/7bar

Pneumatic Zero Point Clamp Series ZP Type

ZP130 Pull Studs

Product Parameter

- Model:ZP130 Pull Studs
- Size :D27.5*45mm
- Material:Hardened Steel
- Weight: 0.13kg
- Mounting Hole: M10
- Applicable Models: ZP130 Serie

4Axis Double-station Pneumatic

Double-Station Pneumatic Zero Point Clamping

4Station Pneumatic Zero Point Clamping