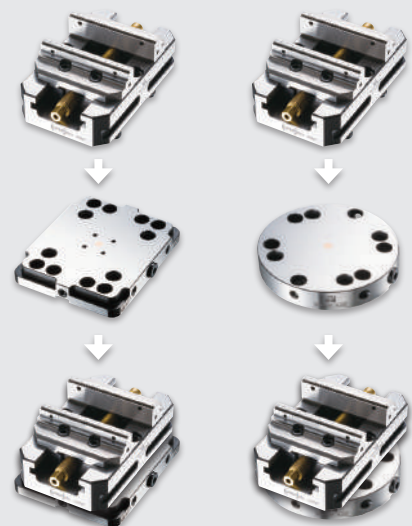


ZERO POINT QUICK CHANGE DEVICES

Quick Change Device and its accessories (including Base Plate, Adapter Plate 52/96, Column, Riser Block, Multi Plate, Clamping Bridge, etc.) are highly modular, and their combination can satisfy different machine tools, fixtures and processes

- Installing Quick Change Device can greatly save the positioning time of the fixture during change over
- Installing Quick Change Device in the entire production line can effectively reduce the accumulated tolerance
- Fixtures can be rotated 90 degrees while maintaining centering accuracy
- Support common stud specifications in the market (52/ 96 mm bolt distance)
- Various specifications for flexible configuration, especially suitable for 4, 5-axis machine tool with limited bed space



Base Plate

Base plate is made of High quality Steel (S50C) with heat treatment to HRC 46, then grounded precisely to ensure the durability and accuracy.

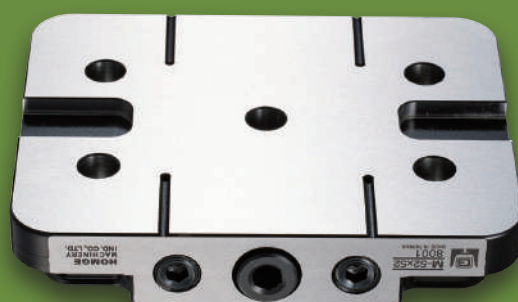
Repeatability: < 0.008 mm.

Pull stud spacing: 52mm or 96mm

- 1** Mechanical clamping with a screw or fast actuation system
- 2** 4xM5 threads are used as positioning support for vises
- 3** Ø12 mm for concentrical alignment and 20 mm keyways for axial alignment
- 4** A flexible positioning solution for vertical and horizontal machining centers. Suitable for using on 3- and 5-axis machine tables and 4th axis rotary or trunnion systems.



FRONT



BACK

Rectangular Plate

with clamping edge & mounting bores

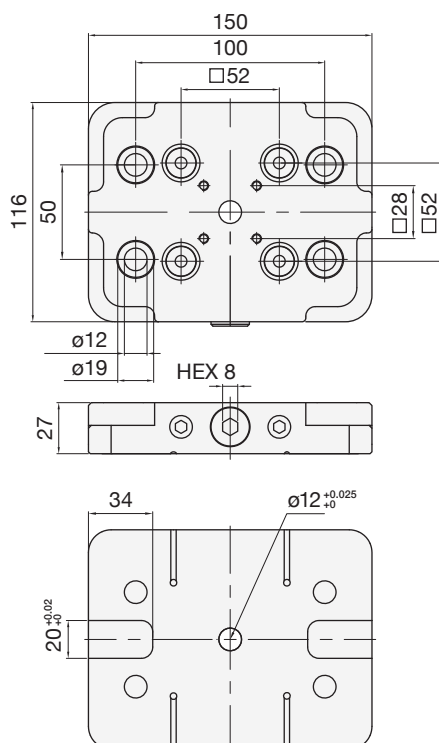
24

ZERO POINT QUICK CHANGE DEVICES / BASE PLATE / RECTANGULAR PLATE



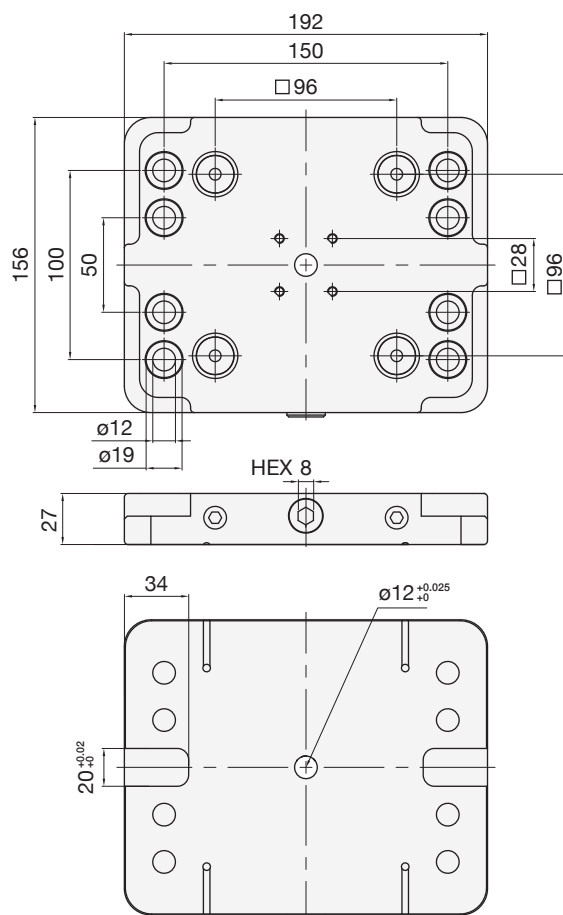
M-52x52 (8001)

Size	150x116x27 mm
Pull Stud No.	M-52x52PS
Mounting Holes	100x50 mm
Weight (kg)	3



M-96x96 (8051)

Size	192x156x27 mm
Pull Stud No.	M-96x96PS
Mounting Holes	150x50/100 mm
Weight (kg)	5.5



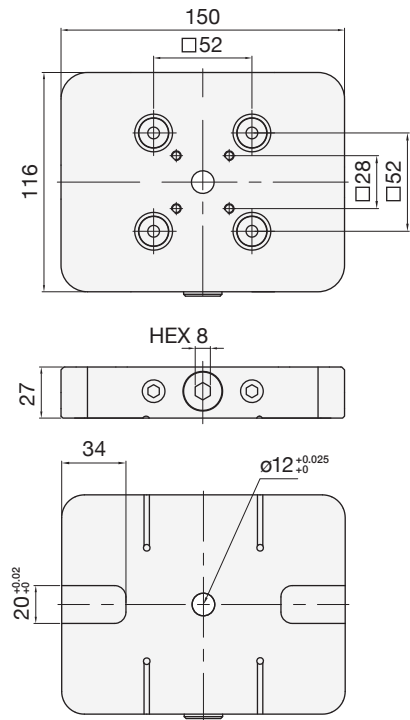
Rectangular Plate

without clamping edge & mounting bores



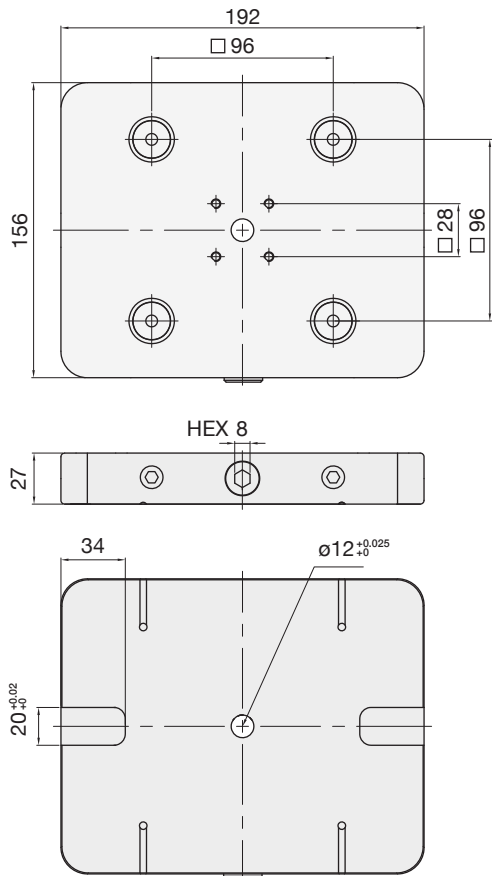
M-52x52 (8002)

Size	150x116x27 mm
Pull Stud No.	M-52x52PS
Mounting Holes	-
Weight (kg)	3.3



M-96x96 (8052)

Size	192x156x27 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	5.8



Round Plate

with clamping edge & mounting bores

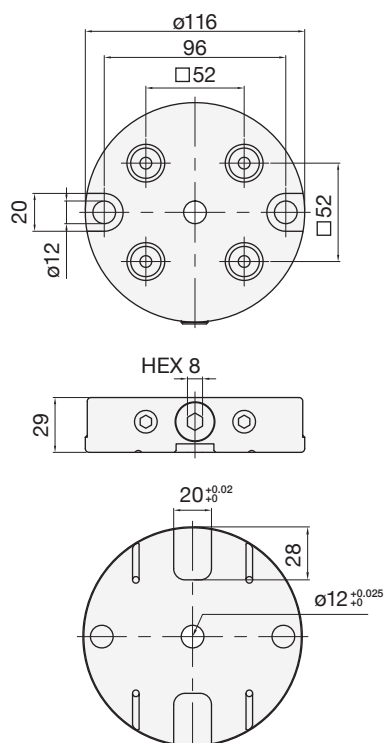
26

ZERO POINT QUICK CHANGE DEVICES / BASE PLATE / ROUND PLATE



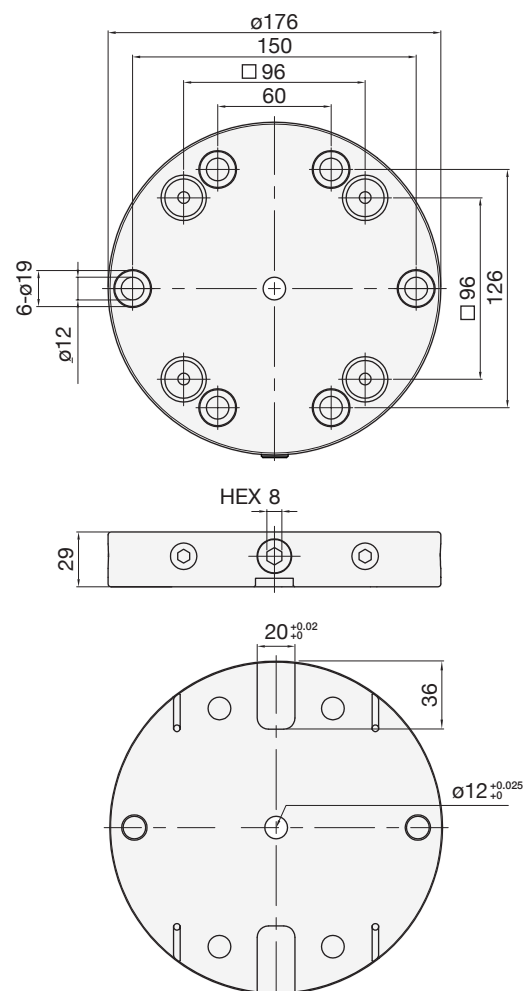
M-52x52 (8004)

Size	ø116x29 mm
Pull Stud No.	M-52x52PS
Mounting Holes	96 mm
Weight (kg)	2



M-96x96 (8053)

Size	ø176x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	150 mm / 60x126 mm
Weight (kg)	5



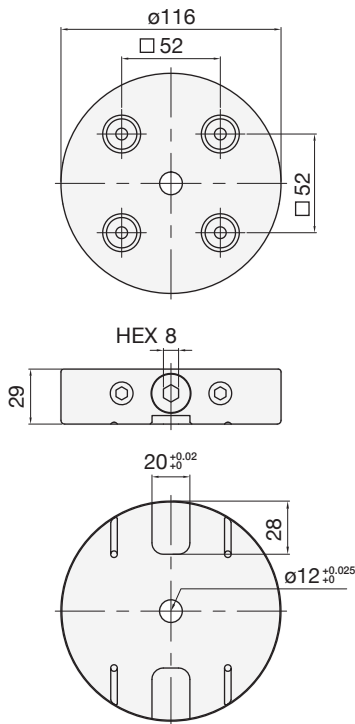
Round Plate

without clamping edge & mounting bores



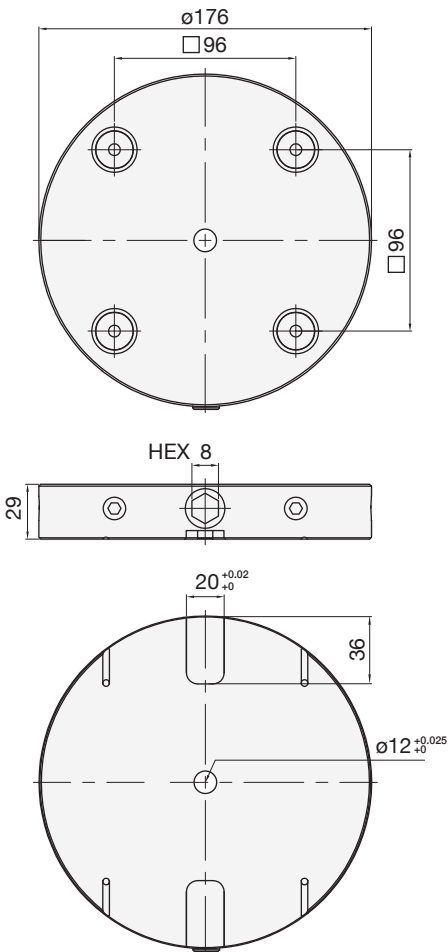
M-52x52 (8005)

Size	ø116x29 mm
Pull Stud No.	M-52x52PS
Mounting Holes	-
Weight (kg)	2.2



M-96x96 (8054)

Size	ø176x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	5.5



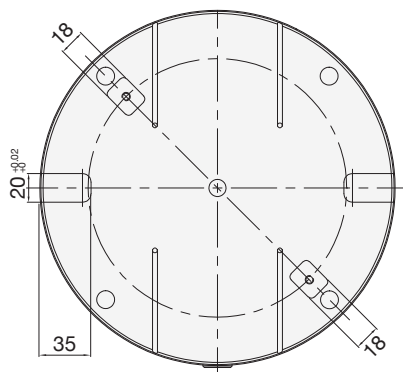
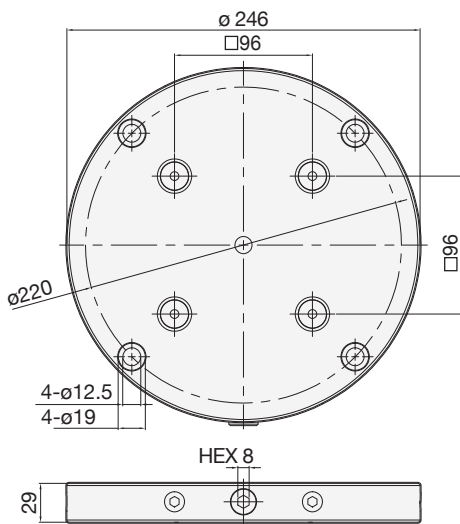
Round Plate

with mounting bores for
tables with 90° grooves



M-96x96 (8057)

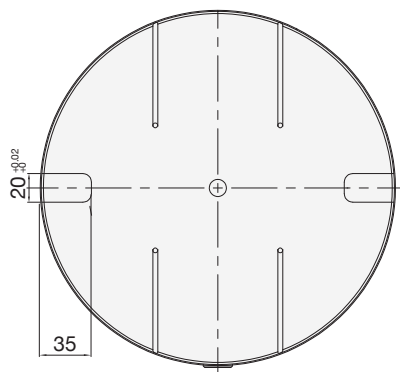
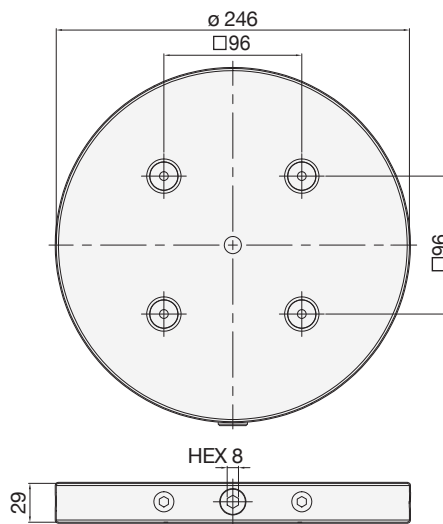
Size	ø246x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	4x90° / Diameter 220 mm
Weight (kg)	9.2



without mounting
bores for tables with
90° grooves

M-96x96 (8059)

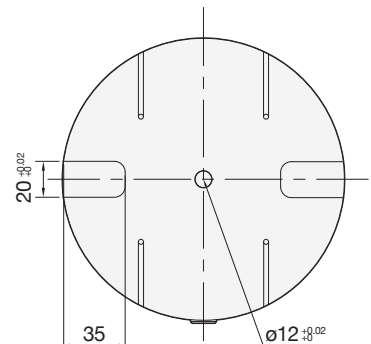
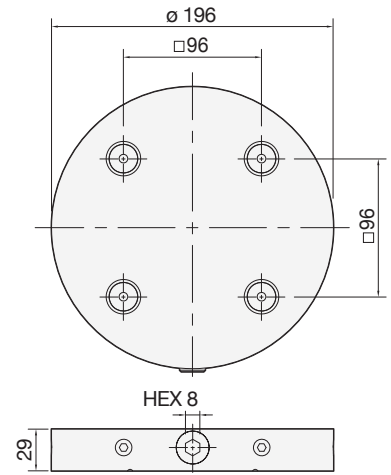
Size	ø246x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	9.5



without mounting
bores for tables with
90° grooves

M-96x96 (8060)

Size	ø196x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	6

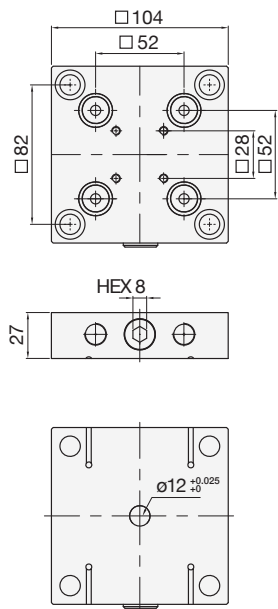


Grid Plate



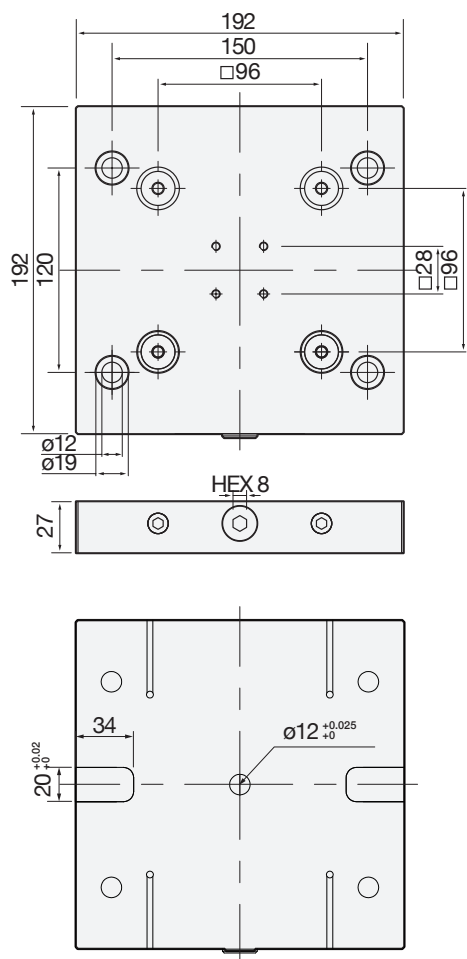
M-52x52 (8011)

Size	104x104x27 mm
Pull Stud No.	M-52x52PS
Mounting Holes	82x82 mm
Weight (kg)	1.8



M-96x96 (80522)

Size	192x192x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	150x120 mm
Weight (kg)	7.6



Round Modification Plate

30

ZERO POINT QUICK CHANGE DEVICES / BASE PLATE / ROUND MODIFICATION PLATE



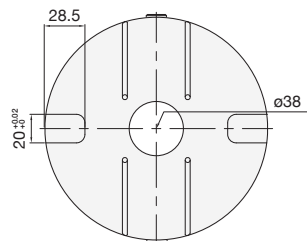
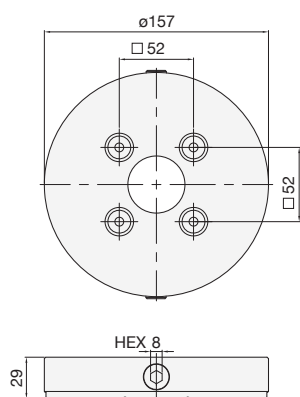
M-52x52 (8009)

Size ø157x29 mm

Pull Stud No. M-52x52PS

Mounting Holes -

Weight (kg) 3.7



for machine tables
with 6x60° groove

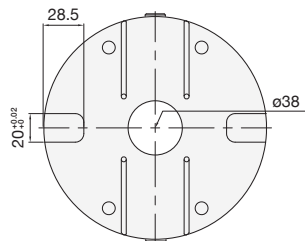
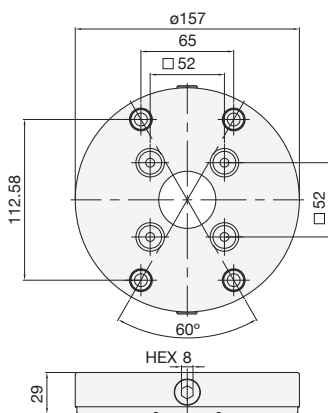
M-52x52 (8009-M)

Size ø157x29 mm

Pull Stud No. M-52x52PS

Mounting Holes for machine tables with
6x60° grooves

Weight (kg) 3.7



Round Modification Plate

for machine tables with 6x60° grooves



M-96x96 (8055)

Size	ø176x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	for machine tables with 6x60° grooves
Weight (kg)	5



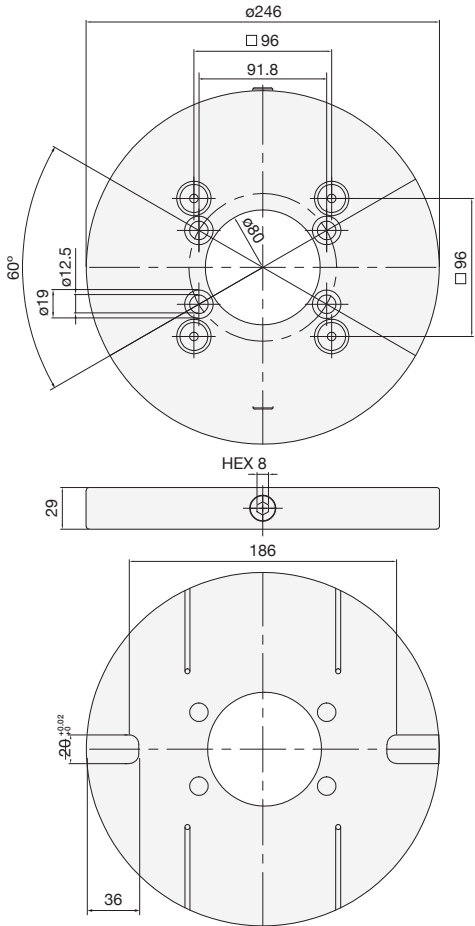
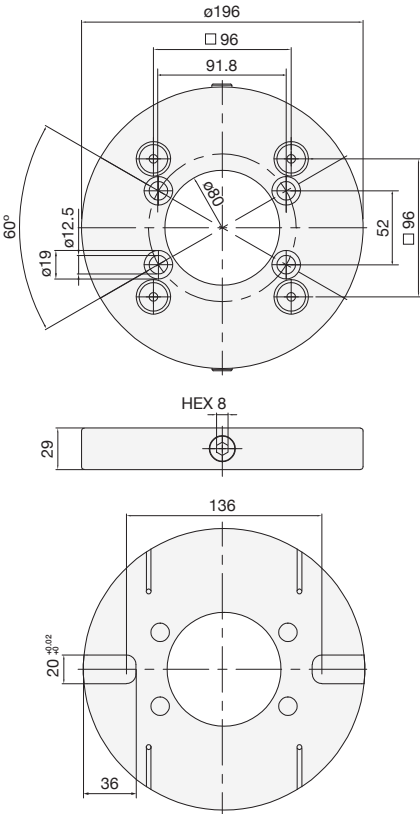
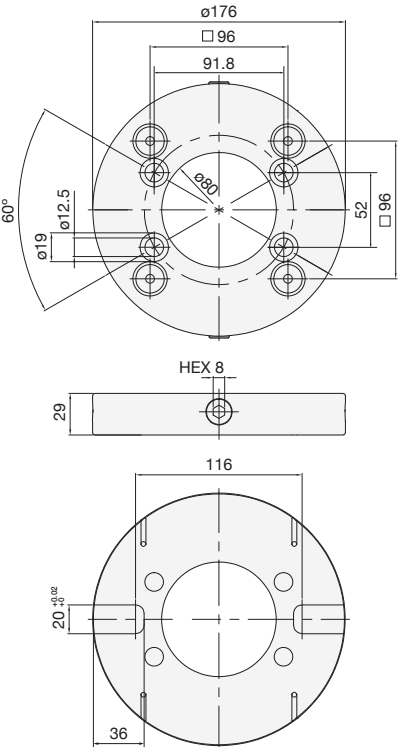
M-96x96 (8055-1)

Size	ø196x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	for machine tables with 6x60° grooves
Weight (kg)	6



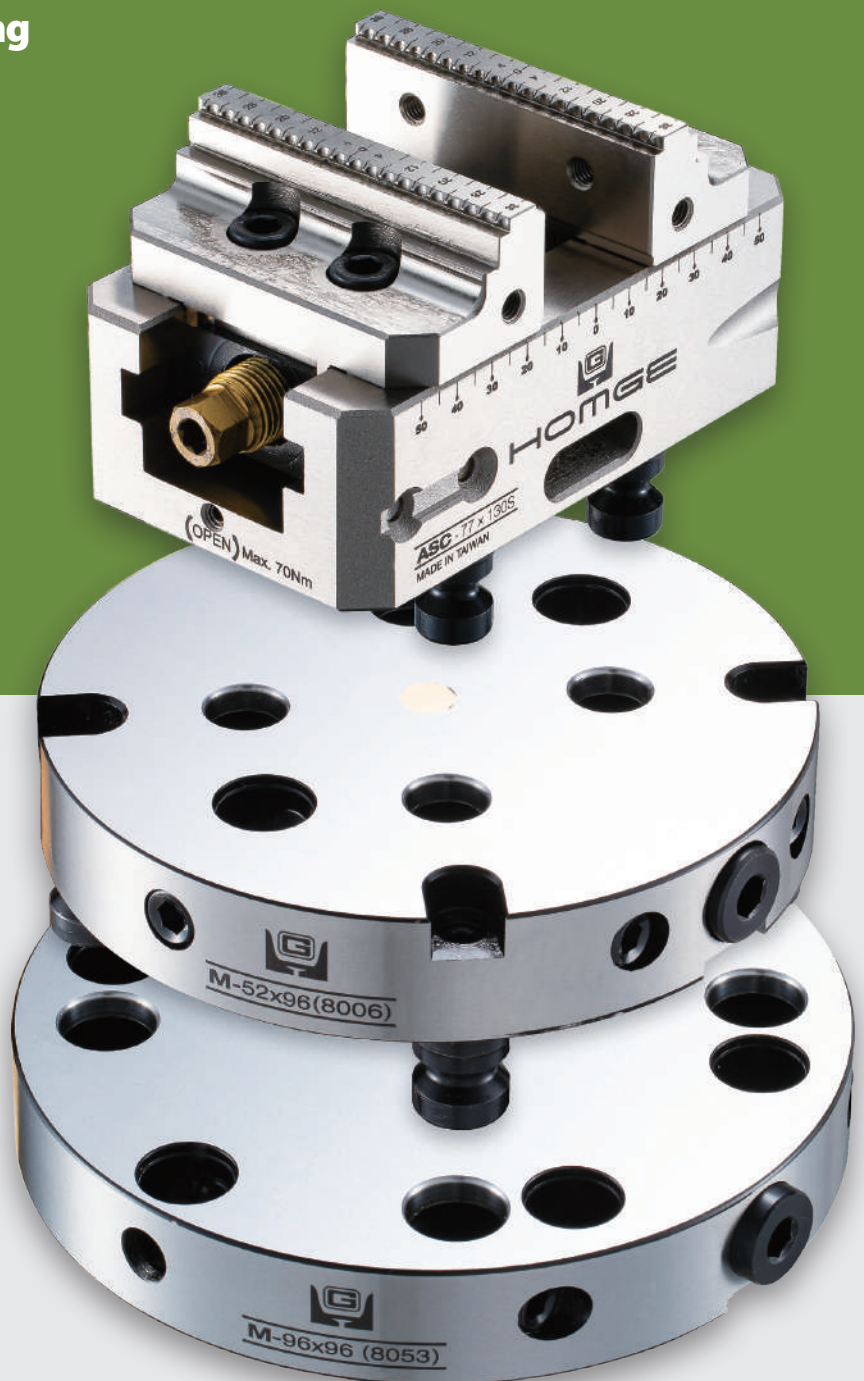
M-96x96 (8055-2)

Size	ø246x29 mm
Pull Stud No.	M-96x96PS
Mounting Holes	for machine tables with 6x60° grooves
Weight (kg)	9.5



Adapter Plates-52/96

For users of our 96mm Zero-Point Positioning System who are looking to integrate the 52mm standard, we recommend our Adapter Plate. This design allows for a smooth transition between standards without the need for recalibration.



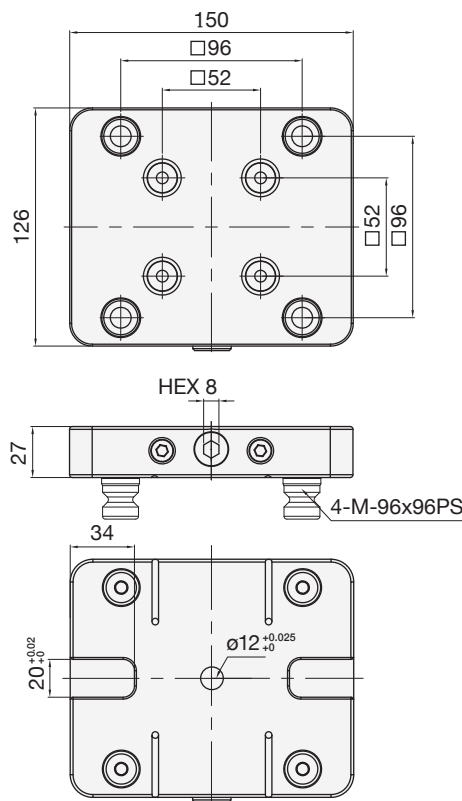
Adapter Plates

Rectangular Adapter Plate



M-52x96 (8003)

Size	150x126x27 mm
Pull Stud No.	M-52x52PS
Mounting Holes	96x96 mm
Weight (kg)	3.7

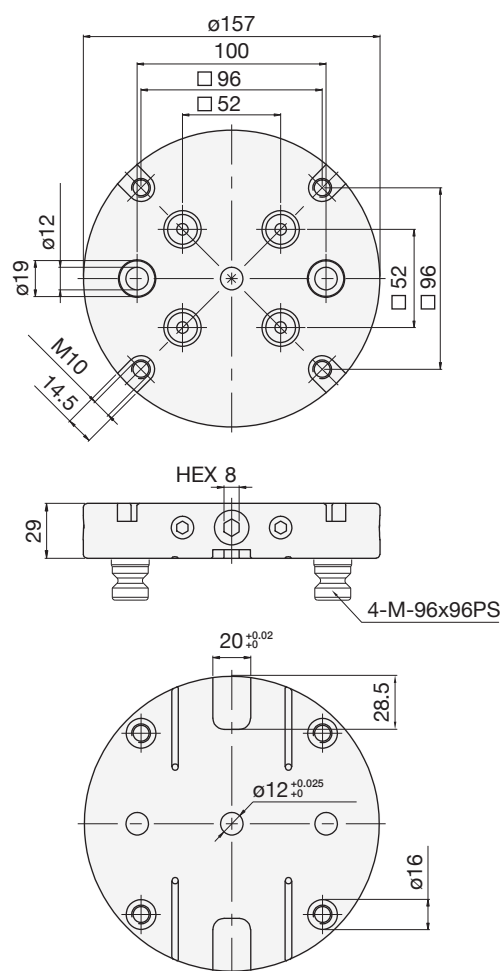


Round Adapter Plate



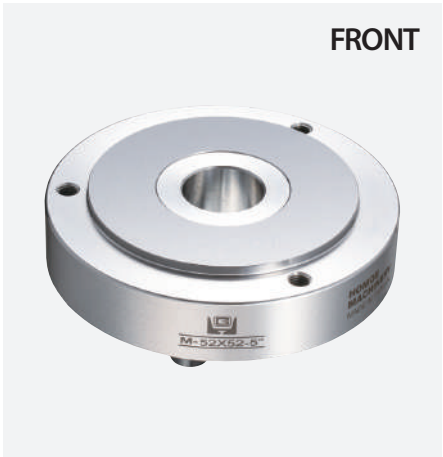
M-52x96 (8006)

Size	ø157x29 mm
Pull Stud No.	M-52x52PS
Mounting Holes	100 mm / 96x96 mm
Weight (kg)	4



Adapter Plate for 3-Jaw Chuck

3 Jaw Chuck Adapter Plate for M-52x52



M-52x52 (4")

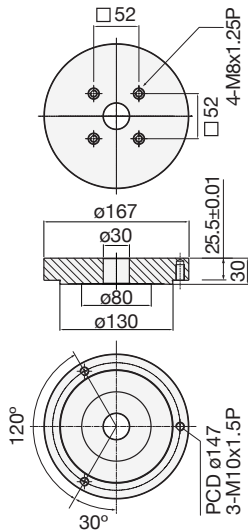
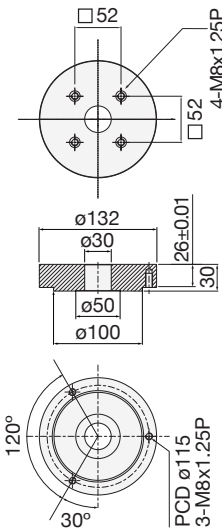
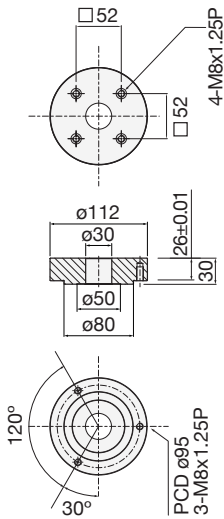
Size	ø112x30 mm
Pull Stud No.	M-52x52PS
Mounting Holes	M8
Weight (kg)	2

M-52x52 (5")

Size	ø132x30 mm
Pull Stud No.	M-52x52PS
Mounting Holes	M8
Weight (kg)	2.9

M-52x52 (6")

Size	ø167x30 mm
Pull Stud No.	M-52x52PS
Mounting Holes	M10
Weight (kg)	4.6



3 Jaw Chuck Adapter Plate for M-96x96



M-96x96 (6")

Size	ø167x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	M10
Weight (kg)	4.6

M-96x96 (7")

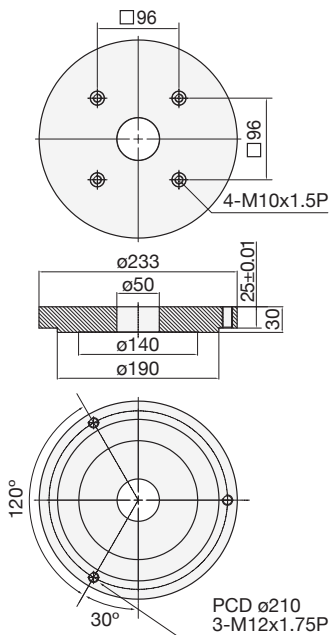
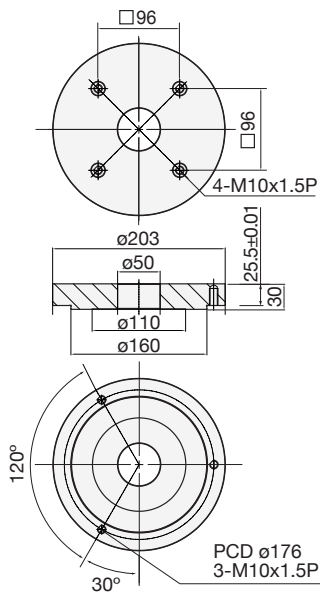
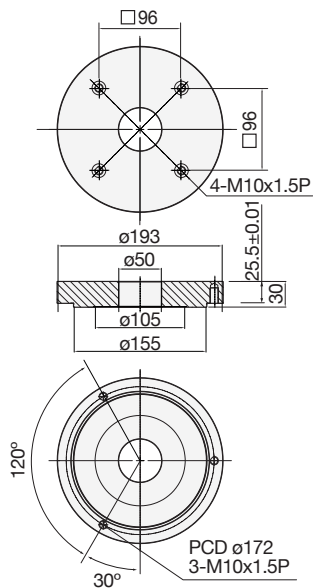
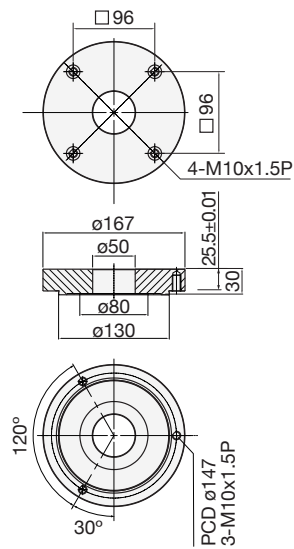
Size	ø193x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	M10
Weight (kg)	6

M-96x96 (8")

Size	ø203x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	M10
Weight (kg)	6.7

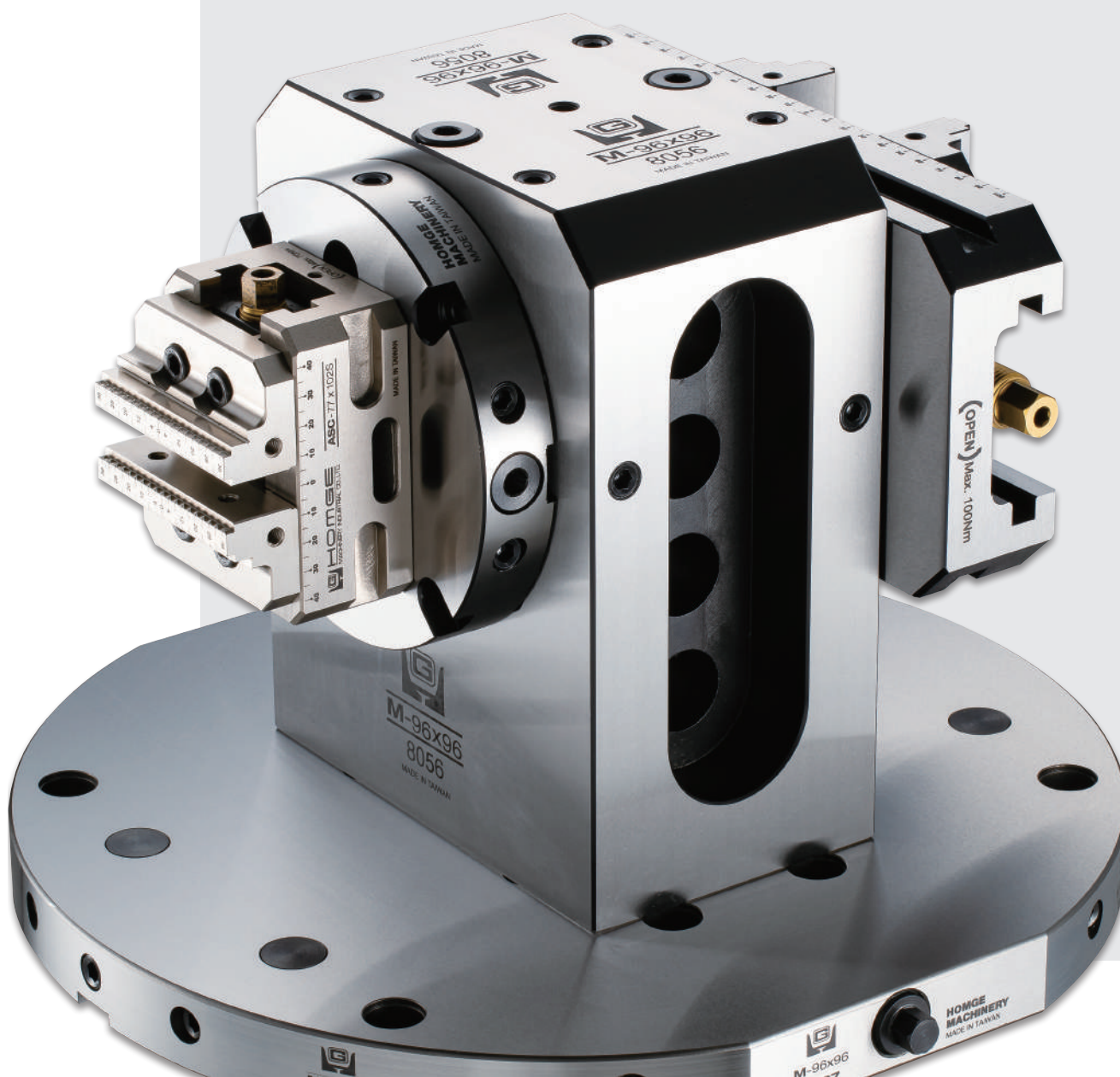
M-96x96 (9")

Size	ø233x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	M12
Weight (kg)	8.9



Column

Double-sided positioning tombstone inherits the characteristics of the positioning plate and can utilize the processing space of the machine tool. Suitable for 3-axis machine tool users who often apply dual-sided processing.

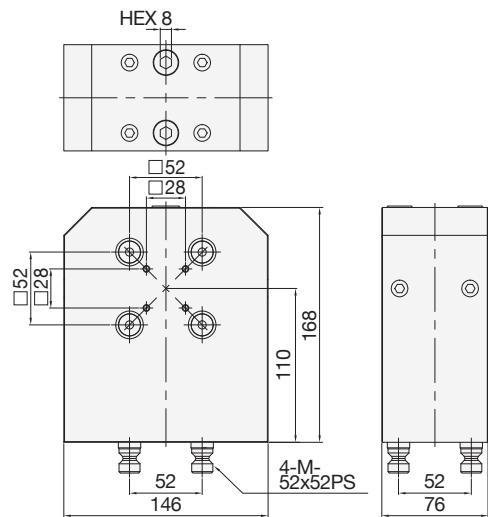


Twin Base



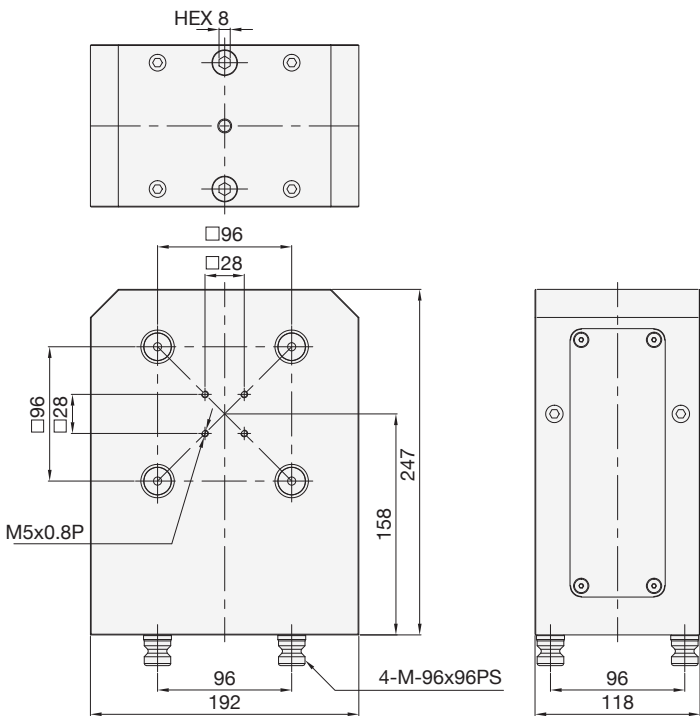
M-52x52 (8008)

Size	146x76x168 mm
Pull Stud No.	M-52x52PS
Mounting Holes	-
Weight (kg)	14



M-96x96 (8056)

Size	192x118x247 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	37

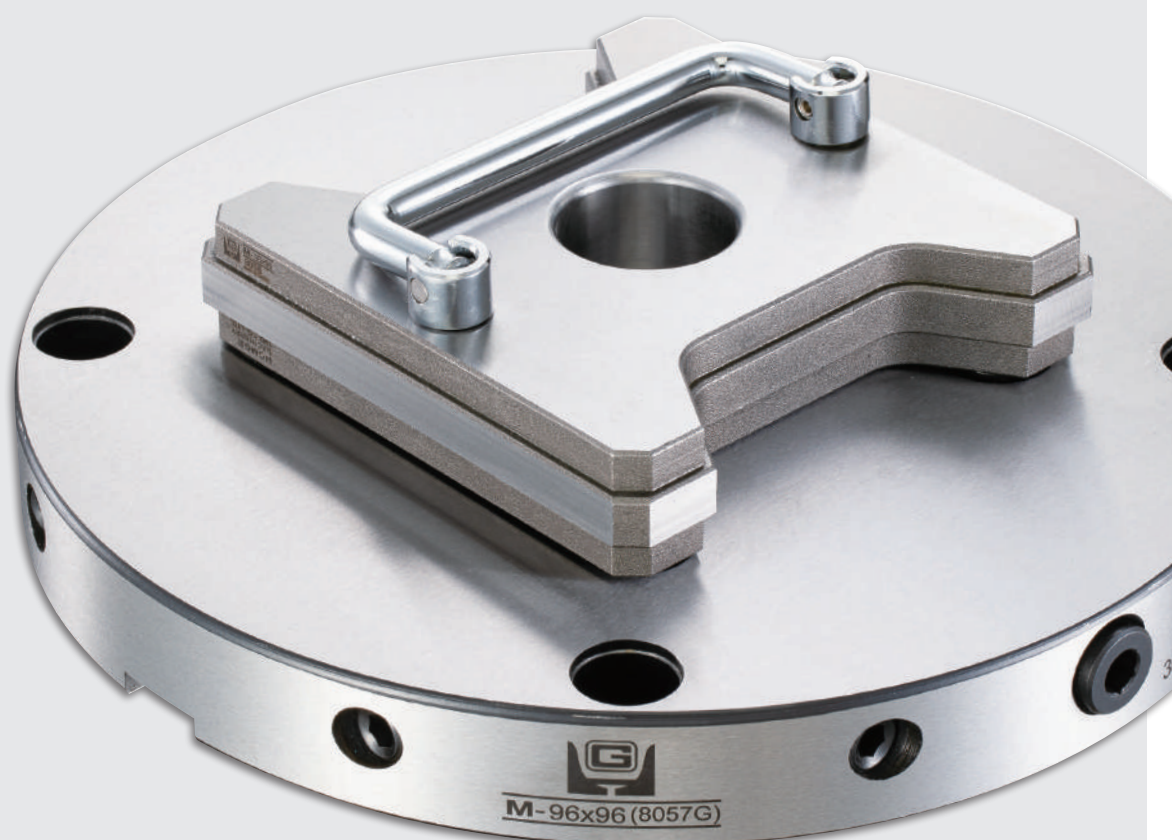


Master Gauging Pallet

Suitable for quick checking the precise alignment of Quick Changing Plates and for concentric alignment of rotary or chucks.

How it works:

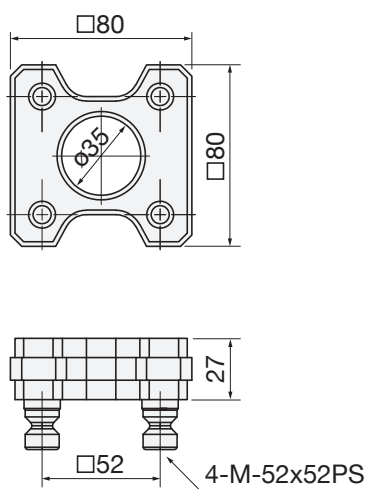
After clamping the gauging pallet in a Quick Change Device - plate, the axial alignment of the Quick Change Device - plate is done by probing the jig-ground sides of the gauging pallet. For a concentric alignment the inner diameter of the gauging pallet can be used.





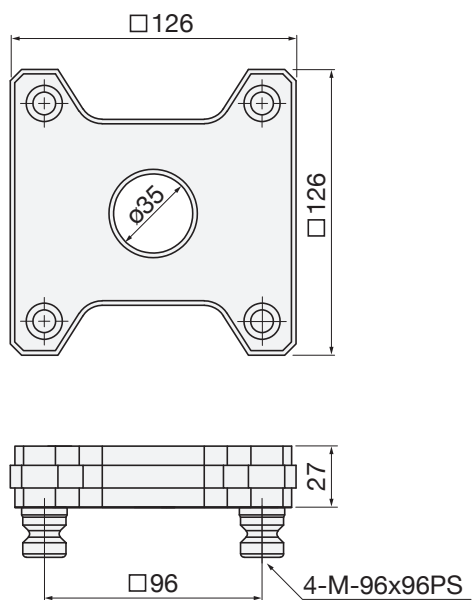
M-52x52 (8010)

Size	80x80x27 mm
Pull Stud No.	M-52x52PS
Weight (kg)	1.1



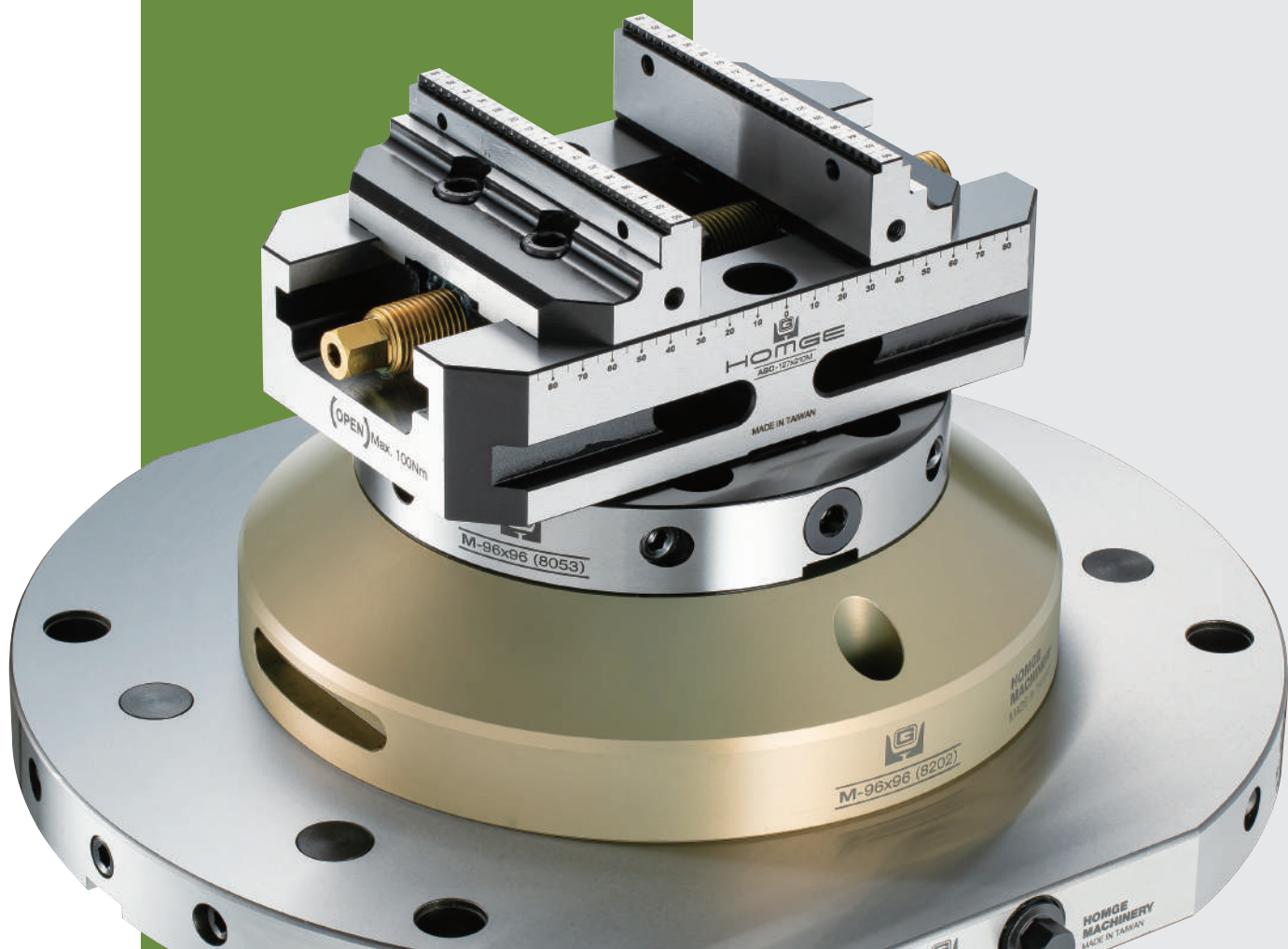
M-96x96 (8058)

Size	126x126x27 mm
Pull Stud No.	M-96x96PS
Weight (kg)	2.6

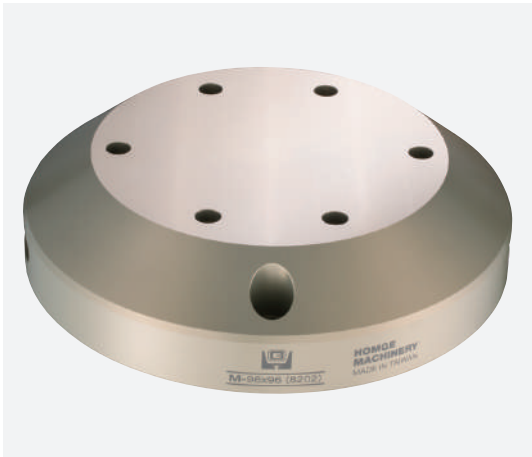


Riser Block

Riser Block provides sufficient space for tool feed by reducing the interference between the bed and the machining tool. Suitable for multi-axis machining and one-piece formed processes.

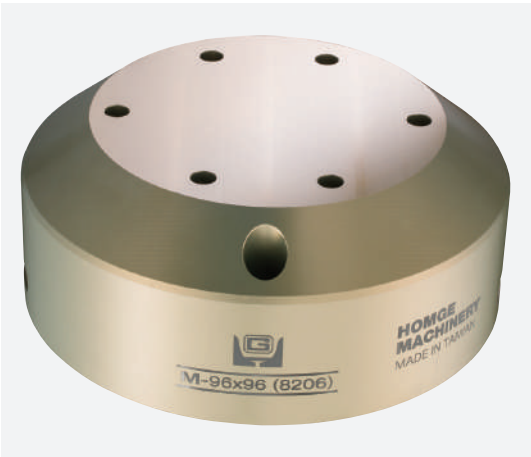


Round Aluminum Riser



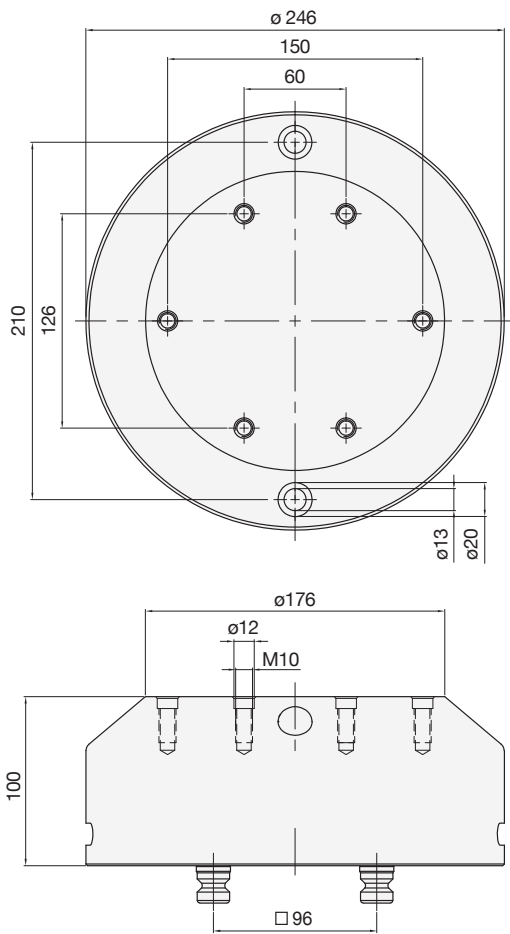
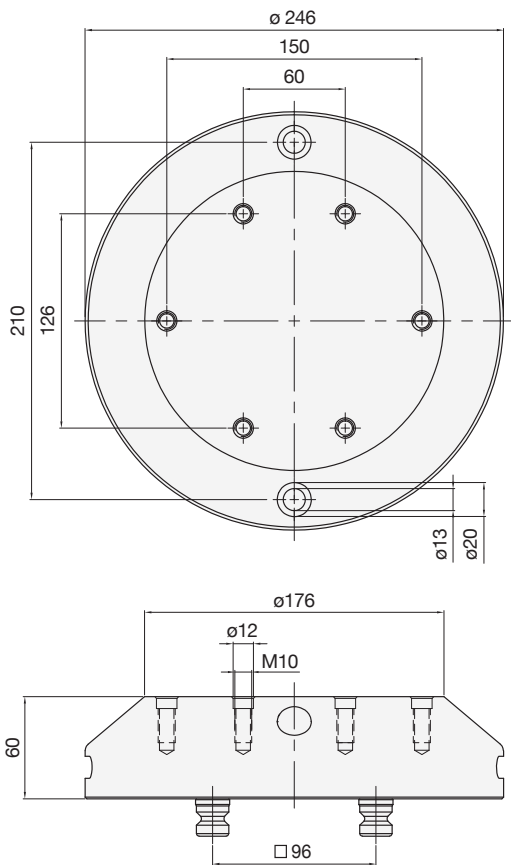
M-96x96 (8202)

Size	ø246x60 mm
Pull Stud No.	M-96x96PS
Mounting Holes	210mm / 150 mm / 60x126 mm
Weight (kg)	7
Material	Aluminum



M-96x96 (8206)

Size	ø246x100 mm
Pull Stud No.	M-96x96PS
Mounting Holes	210mm / 150 mm / 60x126 mm
Weight (kg)	12
Material	Aluminum



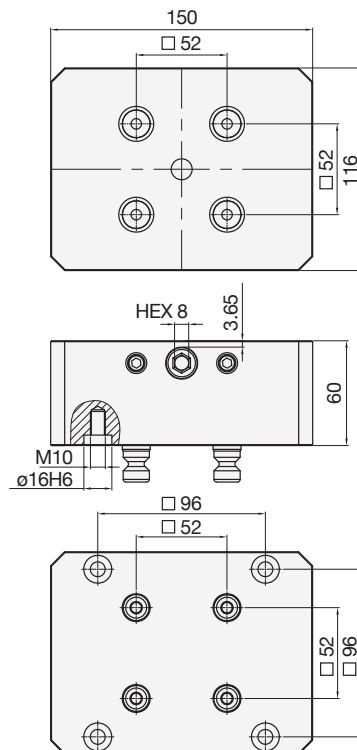
Rectangular Riser

(Height: 60 mm)



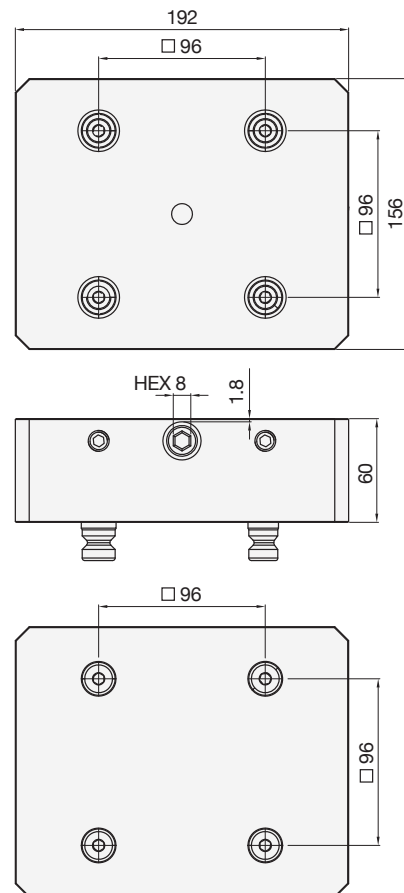
M-52x52 (3131)

Size	150x116x60 mm
Pull Stud No.	M-52x52PS / M-96x96PS
Mounting Holes	-
Weight (kg)	6.1



M-96x96 (8222)

Size	192x156x60 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	11.2



Rectangular Riser

(Height: 100 mm)

ZERO POINT QUICK CHANGE DEVICES / RISER BLOCK / RECTANGULAR RISER



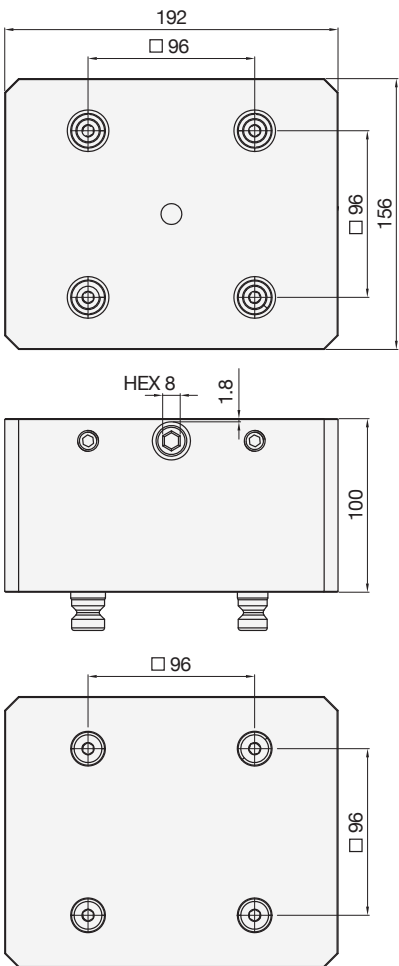
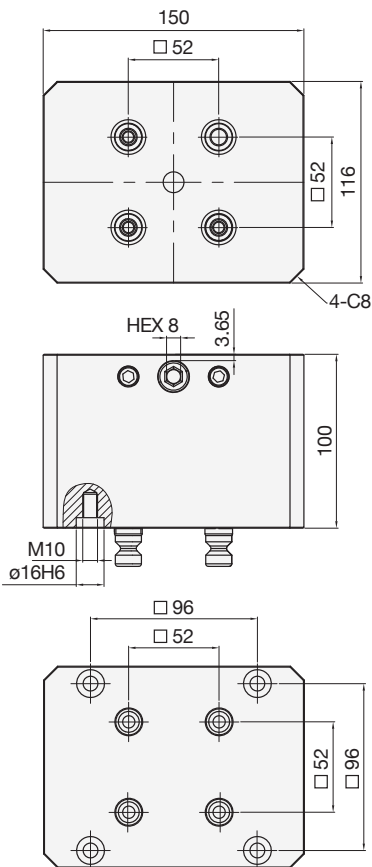
M-52x52 (3133)

Size	150x116x100 mm
Pull Stud No.	M-52x52PS / M-96x96PS
Mounting Holes	-
Weight (kg)	10



M-96x96 (8226)

Size	192x156x100 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	18.1



Multi Plates

Multi plates provide more positioning points, allowing users to effectively use the space of machine tables; whether it is fixing a single large workpiece or multiple small parts, the fixture positioning is fast and accurate



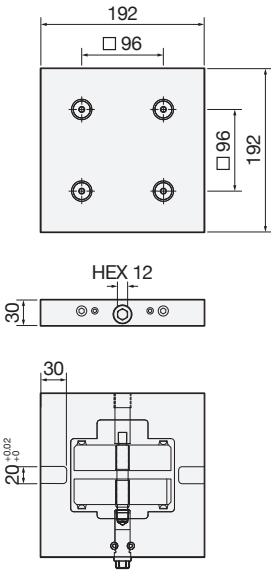
Side-Mounted Plate

M-96x96
1-Fold



M-96x96 (8086G)

Size	192x192x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	—
Weight (kg)	7.8

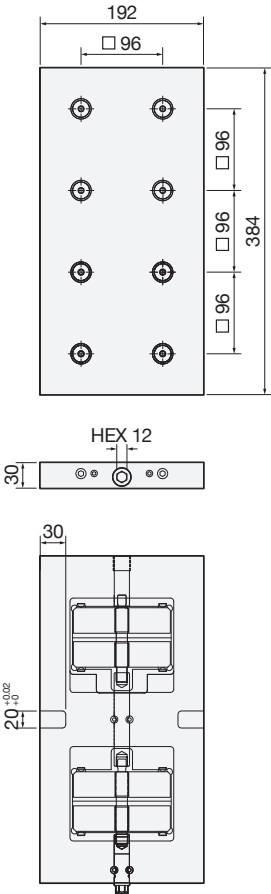


M-96x96
2-Fold



M-96x96 (8088G)

Size	384x192x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	—
Weight (kg)	15.7
Standard Accessories	Cover Plug M-96x96CPS x 8 pcs Cover Plug with Hook M-96x96H x 2 pcs Cover Plug Remover x 1 pc



Multi Plate / 2-Fold Grid Plate

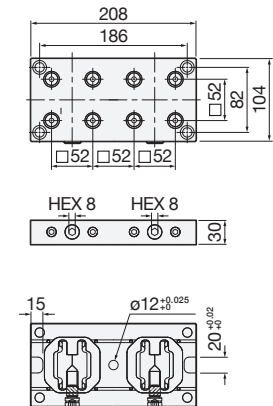
RECTANGULAR

with Mounting Bores



M-52x52 (7062G)

Size	208x104x30 mm
Pull Stud No.	M-52x52PS
Mounting Holes	186x82 mm
Weight (kg)	4.6
Standard Accessories	Cover Plug M-52x52CPS x 8 pcs Cover Plug with Hook M-52x52H x 2 pcs Cover Plug Remover x 1 pc

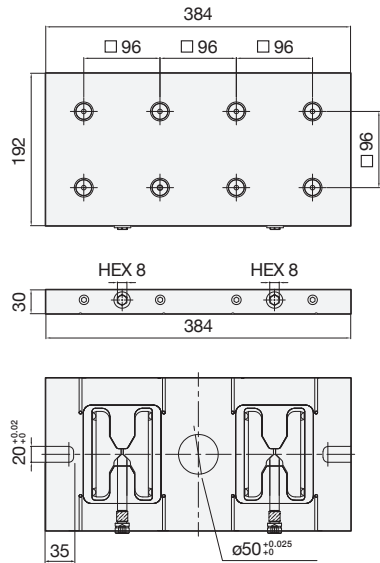


without Mounting Bores



M-96x96 (8062G)

Size	384x192x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	—
Weight (kg)	14
Standard Accessories	Cover Plug M-96x96CPS x 8 pcs Cover Plug with Hook M-96x96H x 2 pcs Cover Plug Remover x 1 pc



Multi Plate / 4-Fold Grid Plate

48

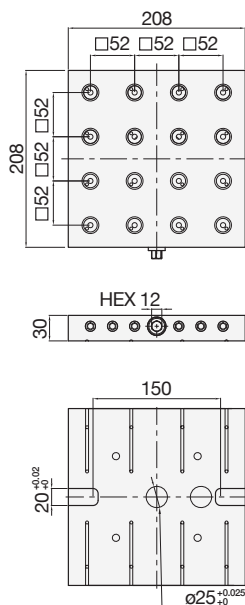
ZERO POINT QUICK CHANGE DEVICES / MULTI PLATES / 4-FOLD GRID PLATE

M-52x52 without Mounting Bores

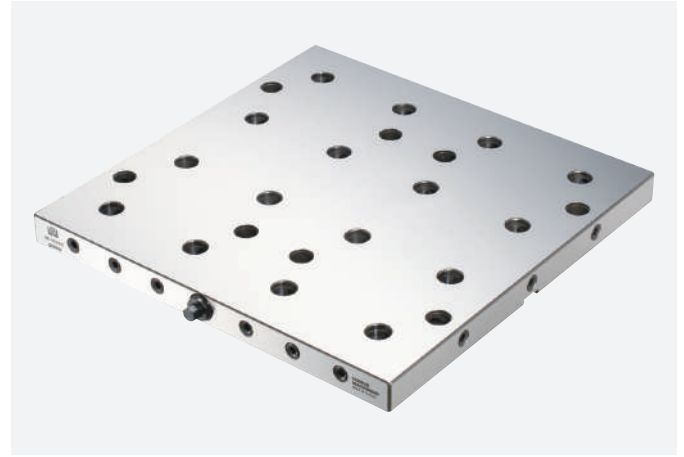


M-52x52 (8026)

Size	208x208x30mm
Pull Stud No.	M-52x52PS
Mounting Holes	-
Weight (kg)	8.2
Standard Accessories	Cover Plug M-52x52CPS x 16 pcs Cover Plug with Hook M-52x52H x 2 pcs Cover Plug Remover x 1 pc

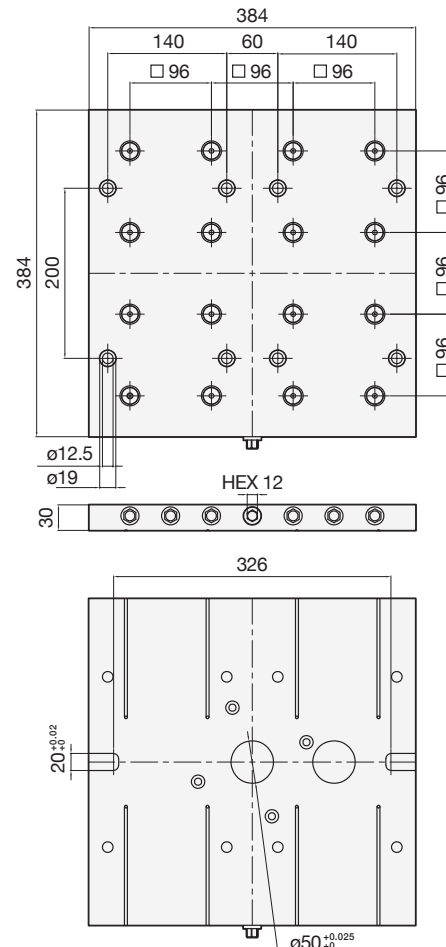


M-96x96 with Mounting Bores



M-96x96 (8066)

Size	384x384x30mm
Pull Stud No.	M-96x96PS
Mounting Holes	as the drawing shown
Weight (kg)	29.2
Standard Accessories	Cover Plug M-96x96CPS x 16 pcs Cover Plug with Hook M-96x96H x 2 pcs Cover Plug Remover x 1 pc



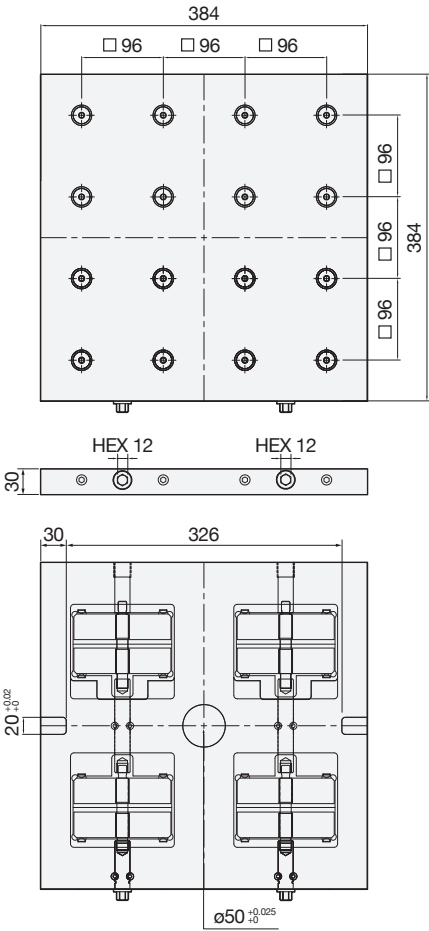
Multi Plate / 4-Fold Grid Plate

M-96x96 without Mounting Bores



M-96x96 (8066G)

Size	384x384x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	—
Weight (kg)	32
Standard Accessories	Cover Plug M-96x96CPS x 16 pcs Cover Plug with Hook M-96x96H x 2 pcs Cover Plug Remover x 1 pc



Clamping Bridge

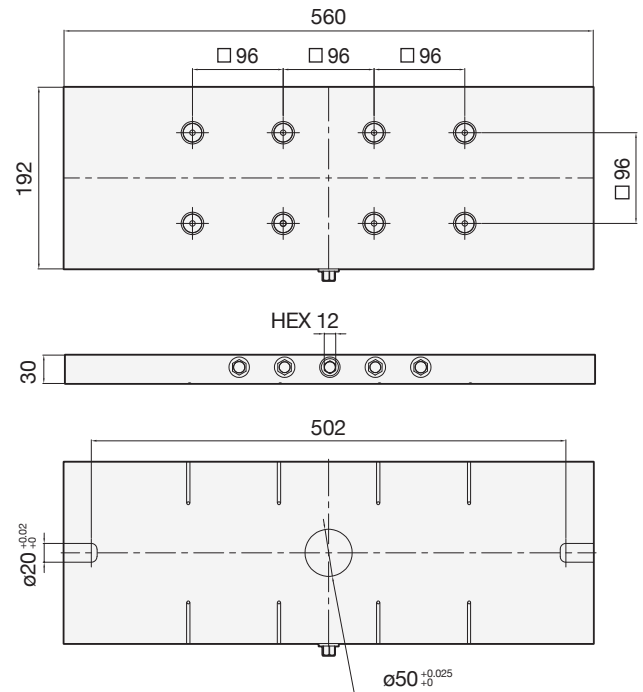
Single Clamping Bridge

50



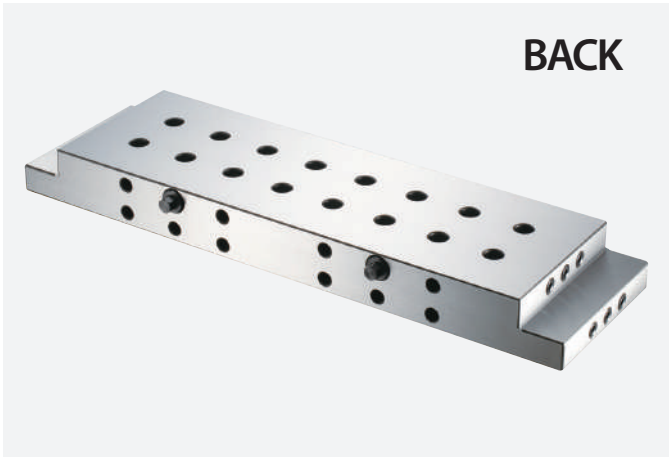
M-96x96 (8068)

Size	560x192x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	-
Weight (kg)	23
Standard Accessories	Cover Plug M-96x96CPS x 8 pcs Cover Plug with Hook M-96x96H x 2 pcs Cover Plug Remover x 1 pc



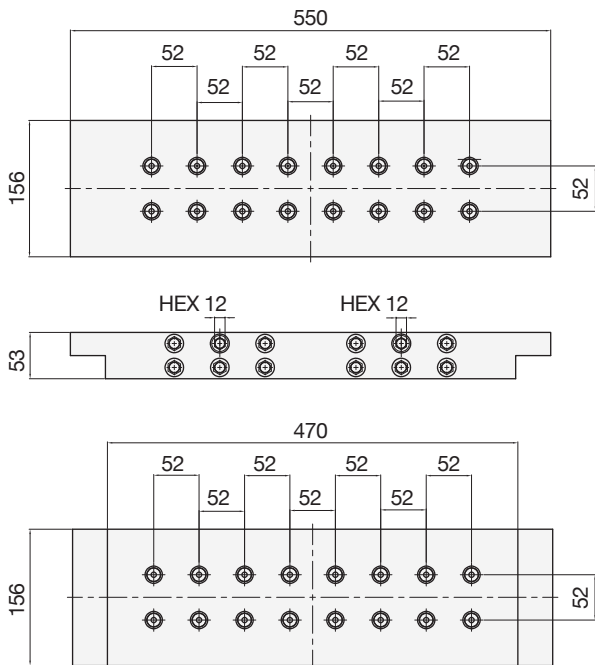
Clamping Bridge

Twin Clamping Bridge



M-52x52 (8022)

Size	550x156x53 mm
Pull Stud No.	M-52x52PS
Mounting Holes	-
Weight (kg)	27.7
Standard Accessories	Cover Plug M-52x52CPS x 32 pcs Cover Plug with Hook M-52x52H x 2 pcs Cover Plug Remover x 1 pc



Clamping Bridge

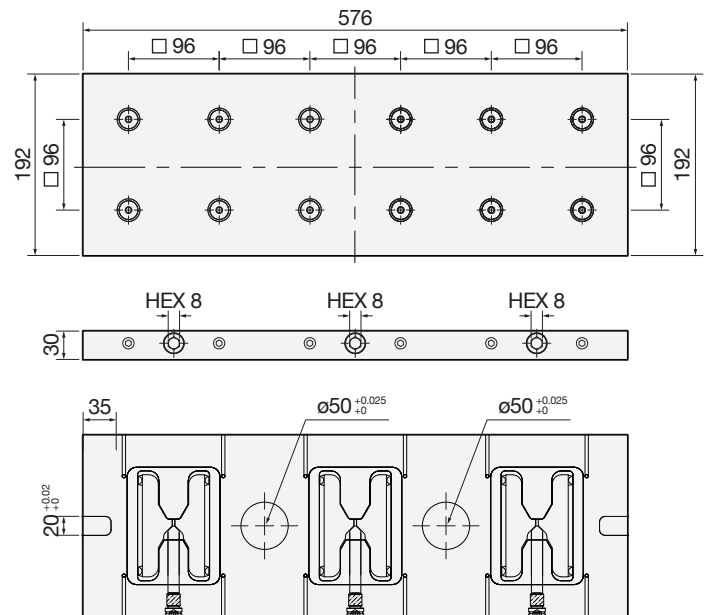
Single Clamping Bridge for 4-Axis

52



M-96x96 (8072G)

Size	576x192x30 mm
Pull Stud No.	M-96x96PS
Mounting Holes	—
Weight (kg)	24.3
Standard Accessories	Cover Plug M-96x96CPS x 12 pcs Cover Plug with Hook M-96x96H x 2 pcs Cover Plug Remover x 1 pc



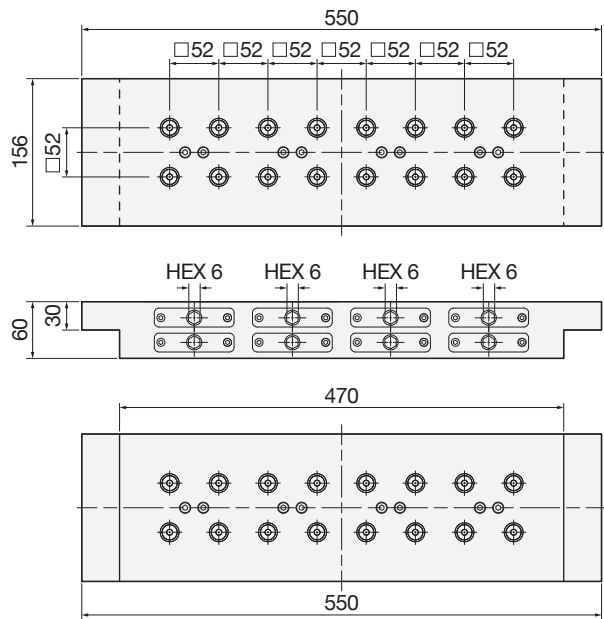
Clamping Bridge

Twin Clamping Bridge for 4-Axis



M-52x52 (8022G)

Size	550x156x60 mm
Pull Stud No.	M-52x52PS
Mounting Holes	—
Weight (kg)	34.2
Standard Accessories	Cover Plug M-52x52CPS x 32 pcs Cover Plug with Hook M-52x52H x 2 pcs Cover Plug Remover x 1 pc



Tombstone

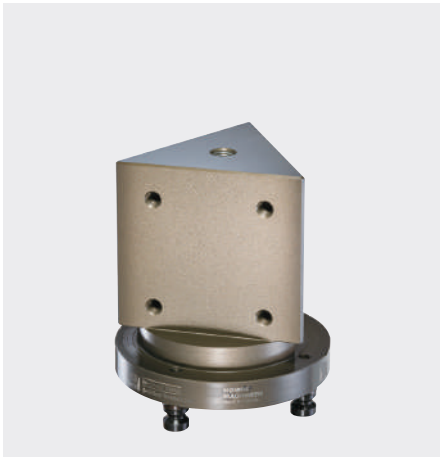
Advancements in Machining Centers Efficiency

The 3-sided or 4-sided Tombstone effectively enhances changeout efficiency in machining centers, particularly with smaller 5-axis machines. This innovation overcomes conventional clamping setup restrictions, enabling the execution of complex tasks even on compact machines.



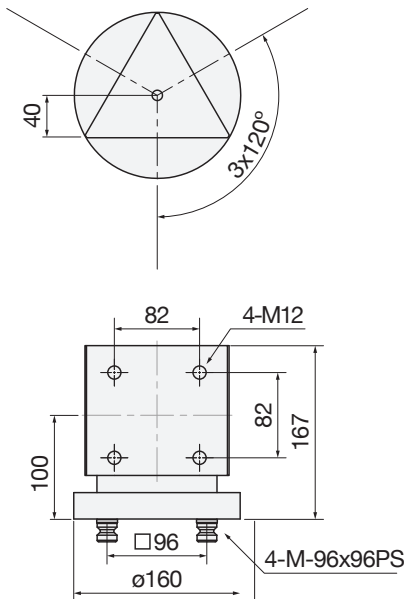
Tombstone

3-Faced Tombstone



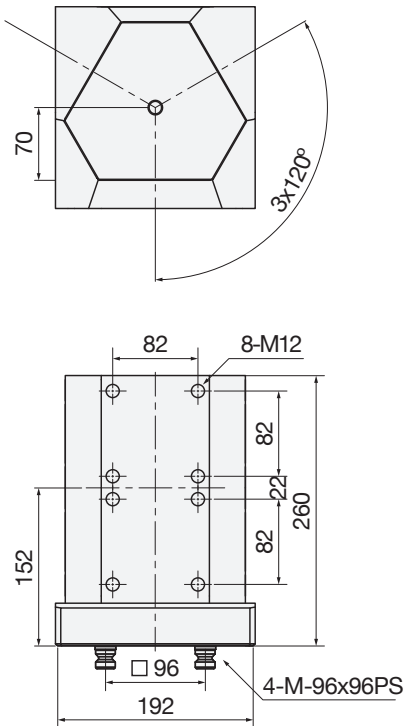
M-52x52 (9313)

Size	Ø160x167 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	4.5
Compatible with	Grid Plate M-52x52 (8011) x 3 pcs



M-52x52 (9333)

Size	192x192x260 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	15.2
Compatible with	Grid Plate M-52x52 (8011) x 6 pcs

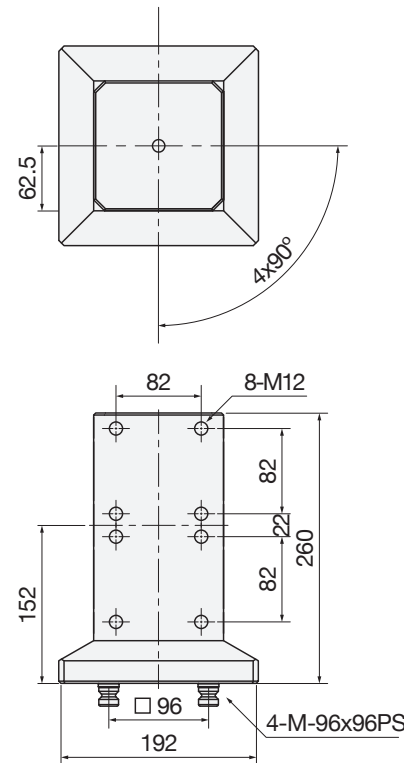


4-Faced Tombstone



M-52x52 (9433)

Size	192x192x260 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	12.5
Compatible with	Grid Plate M-52x52 (8011) x 8 pcs



3-Faced Pyramid

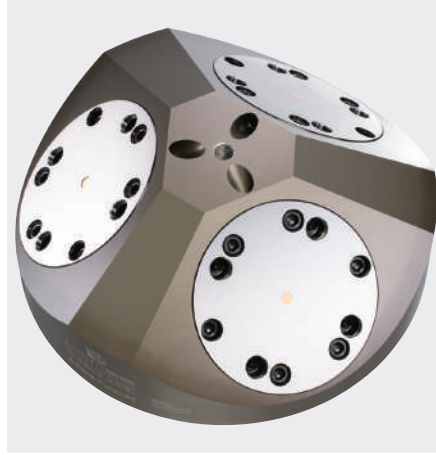
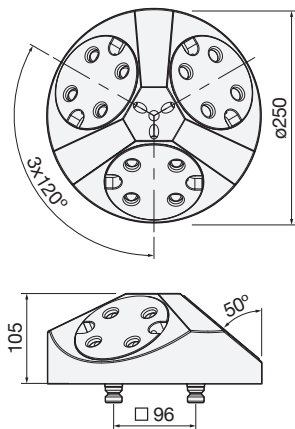
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ZERO POINT QUICK CHANGE DEVICES / 3-FACED PYRAMID



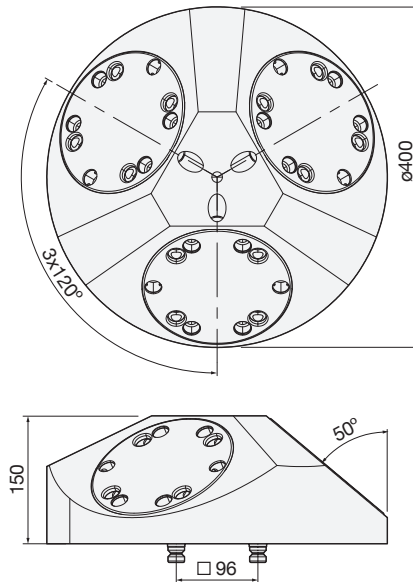
M-52x52 (9314)

Size	Ø250x105 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	12.7
Compatible with	Round Plate M-52x52 (8004) x 3 pcs



M-96x96 (9319)

Size	Ø400x150 mm
Pull Stud No.	M-96x96PS
Mounting Holes	—
Weight (kg)	44
Compatible with	Round Plate M-96x96 (8053) x 3 pcs



Combo Plate / Riser



M-52/96 (8287)

Size	192x192x27 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	6.5

M-52/96 (8288)

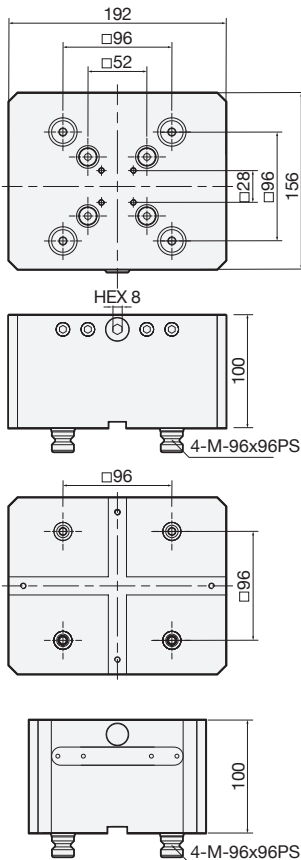
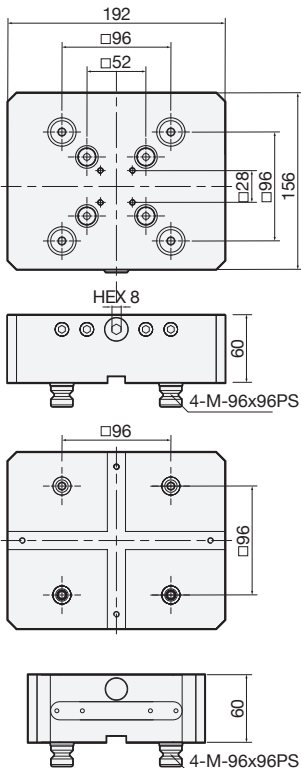
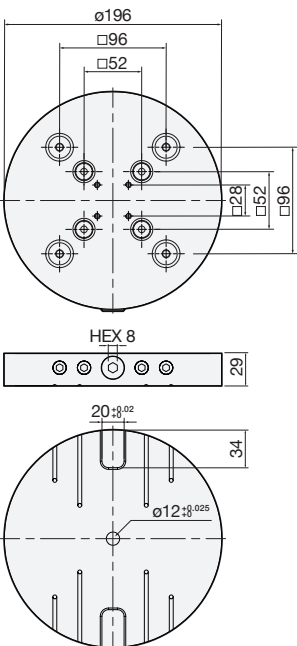
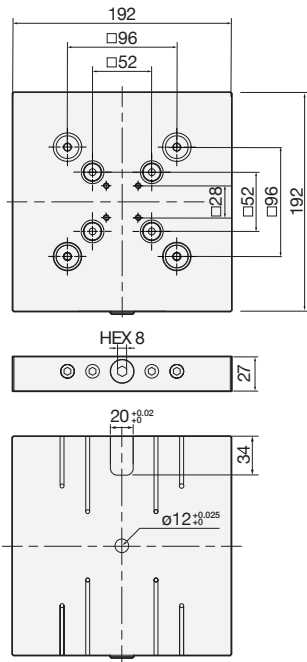
Size	Ø196x29 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	6.2

M-52/96 (8282)

Size	192x156x60 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	11.2

M-52/96 (82822)

Size	192x156x100 mm
Pull Stud No.	M-52x52PS/ M-96x96PS
Mounting Holes	—
Weight (kg)	18.1



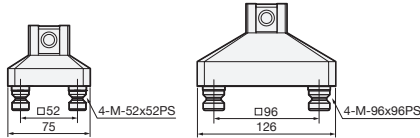
Top Clamping

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ZERO POINT QUICK CHANGE DEVICES / TOP CLAMPING / DOVETAIL FIXTURE

Dovetail Fixture

Aluminum Block for 52 or 96 system are available for order seperately.

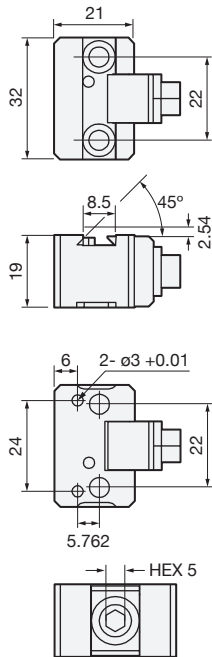


DM-12

Size 21x32x19mm

Clamping Range 8.5mm

Weight (kg) 0.07

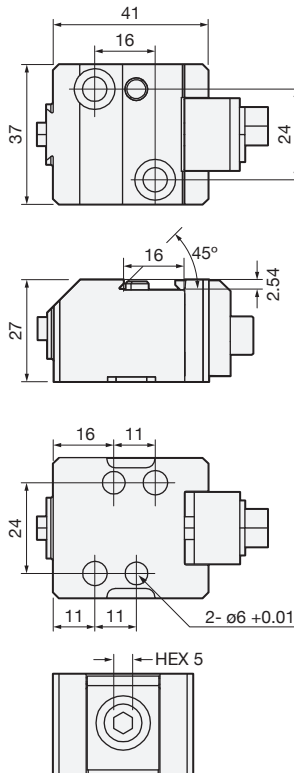


DM-25

Size 41x37x27mm

Clamping Range 16mm

Weight (kg) 0.29

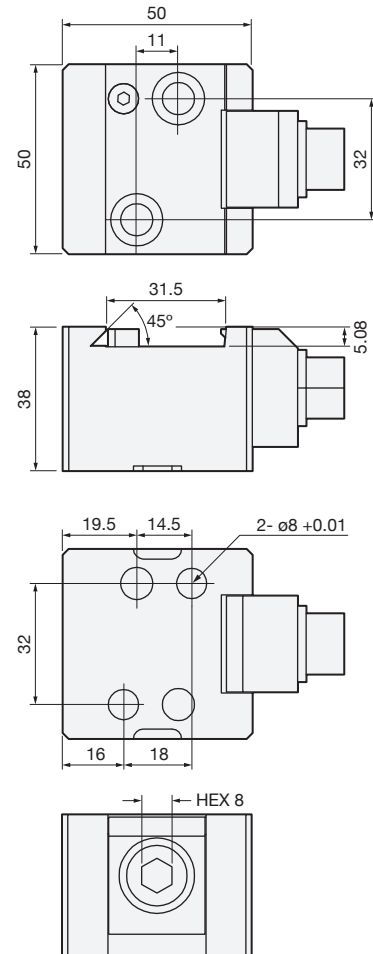


DM-50

Size 50x50x38mm

Clamping Range 31.5mm

Weight (kg) 0.72

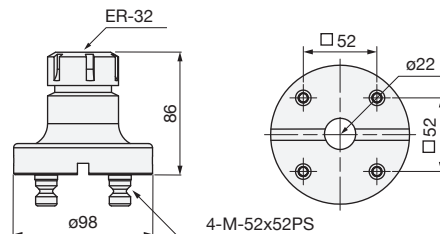


Top Clamping

Collect Chuck

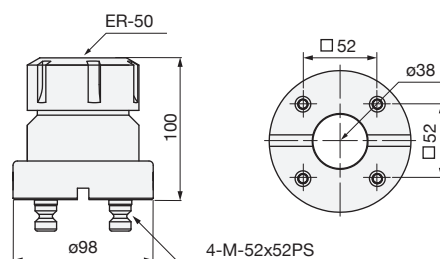
Model: M-52x52 (ER32)C

- Size: Ø98x86 mm
- Clamping Range: Ø1-20 mm
- Weight: 2.0 kg



Model: M-52x52 (ER50)C

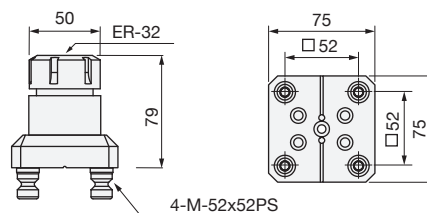
- Size: Ø98x100 mm
- Clamping Range: Ø10-34 mm
- Weight: 3.1 kg



Round Bar Fixture

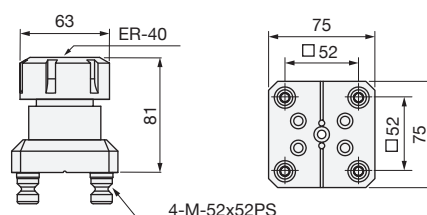
Model: M-52x52 (ER32)

- Size: 75x75x79 mm
- Clamping Range: Ø1-20 mm
- Weight: 1.5 kg



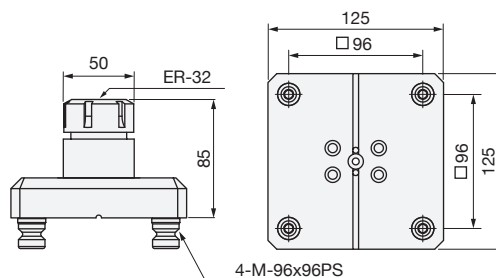
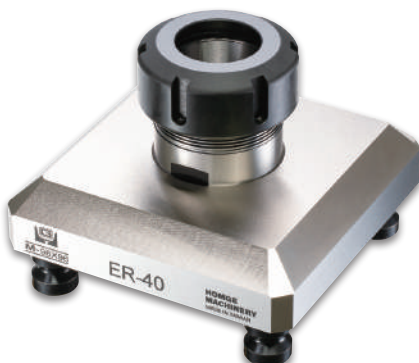
Model: M-52x52 (ER40)

- Size: 75x75x81 mm
- Clamping Range: Ø2-26 mm
- Weight: 1.7 kg



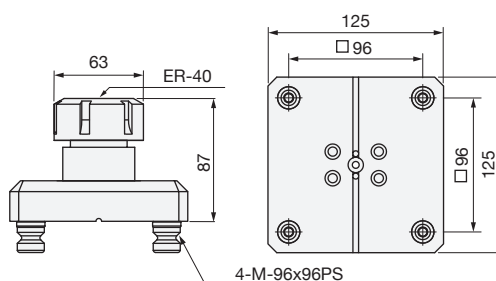
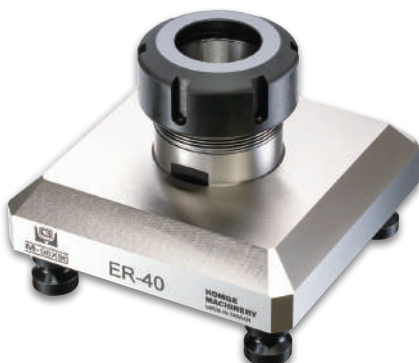
Model: M-96x96 (ER32)

- Size: 125x125x85 mm
- Clamping Range: Ø1-20 mm
- Weight: 3.7 kg



Model: M-96x96 (ER40)

- Size: 125x125x87 mm
- Clamping Range: Ø2-26 mm
- Weight: 3.9 kg



Optional Accessories

for Zero Point Quick Change Devices

Pull Studs

Can be adopted onto vises or workpieces to use together with any Quick Change Device.

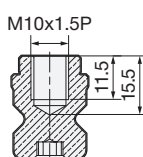
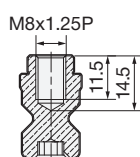
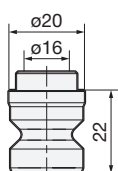
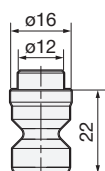
Model: M-52x52PS

- 4 pcs / set
- Weight: 0.16 kg / set



Model: M-96x96PS

- 4 pcs / set
- Weight: 0.28 kg / set



Spacer Studs

Improve the machining accessibility of edges or angles by making a through space between workpieces and Quick Change Devices.

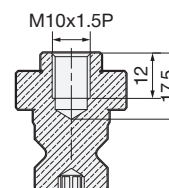
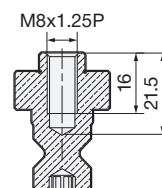
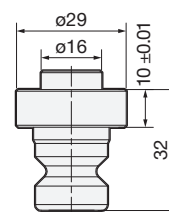
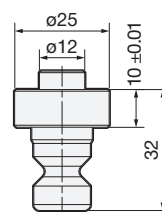
Model: M-52x52SS

- 4 pcs / set
- Weight: 0.27 kg / set

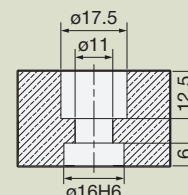
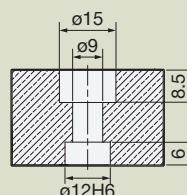
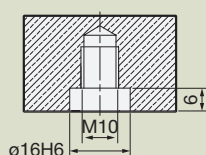
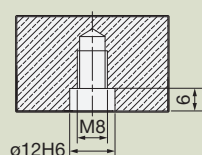


Model: M-96x96SS

- 4 pcs / set
- Weight: 0.4 kg / set



Applications:



Optional Accessories

for Zero Point Quick Change Devices

Cover Plugs - Plastic

Model: M-52x52CPP

- 4 pcs / set
- Weight: 0.01 kg / set



Model: M-96x96CPP

- 4 pcs / set
- Weight: 0.02 kg / set



Cover Plugs - Steel

Model: M-52x52CPS

- 4 pcs / set
- Weight: 0.10 kg / set



Model: M-96x96CPS

- 4 pcs / set
- Weight: 0.16 kg / set



Cover Plug with hook

Model: M-52x52H

- 2 pcs / set
- Weight: 0.18 kg / set

Model: M-96x96H

- 2 pcs / set
- Weight: 0.32 kg / set



Cover Plug Remover

for M-52x52 and M-96x96

- 1 pc
- Weight: 0.11 kg

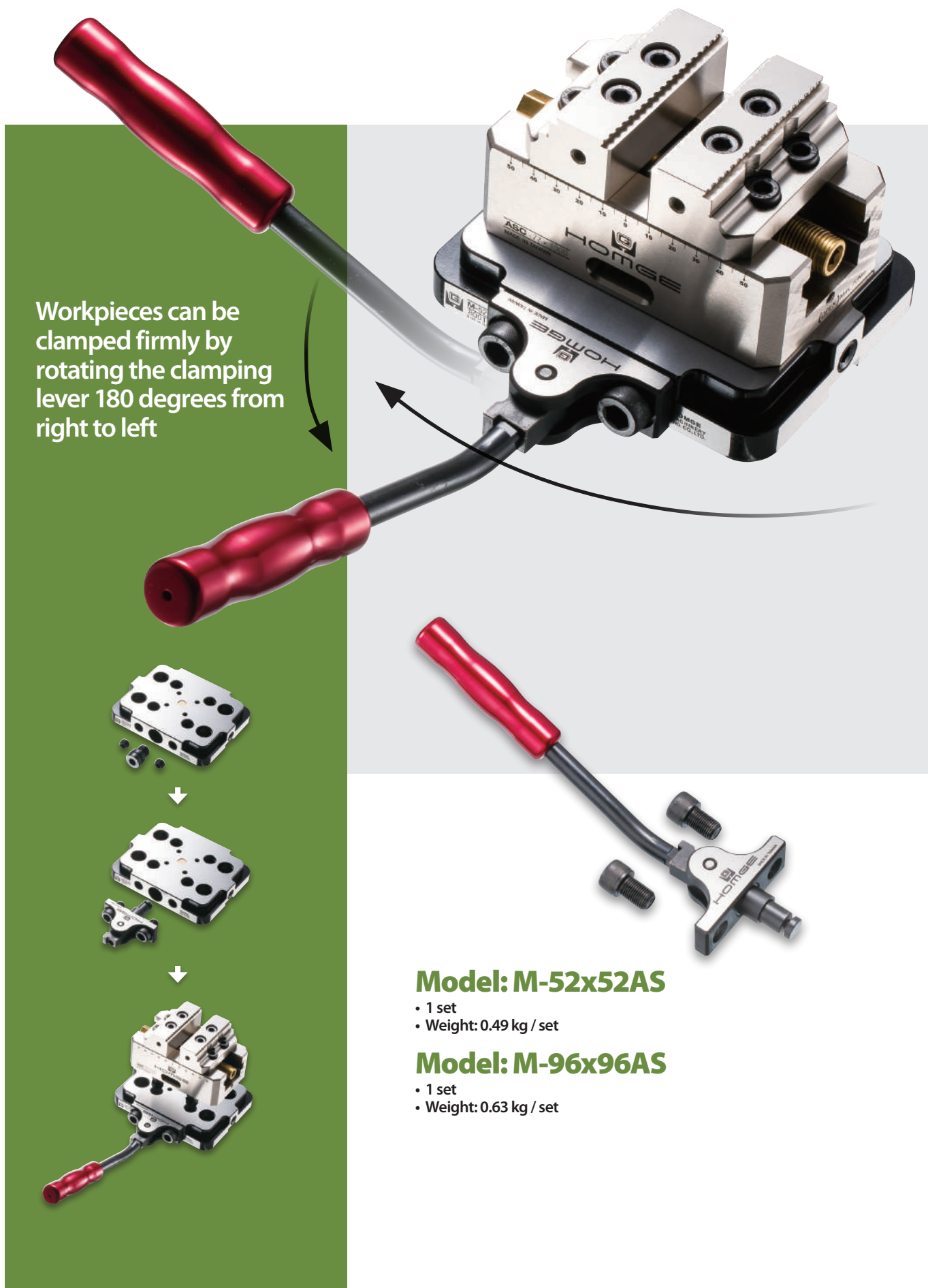


FAST ACTUATION SYSTEM

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ZERO POINT QUICK CHANGE DEVICES / ACCESSORIES / FAST ACTUATION SYSTEM

Workpieces can be clamped firmly by rotating the clamping lever 180 degrees from right to left



Model: M-52x52AS

- 1 set
- Weight: 0.49 kg / set

Model: M-96x96AS

- 1 set
- Weight: 0.63 kg / set