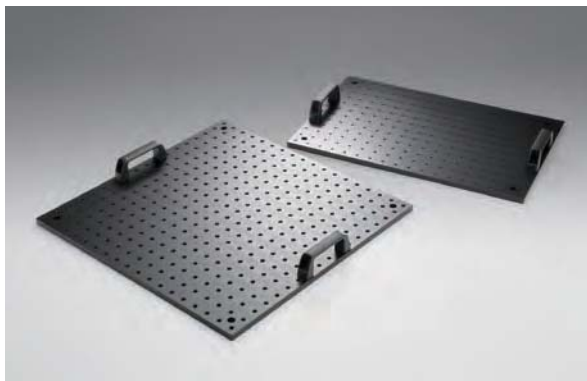


Optical Baseplates | OBC

Black Anodized Aluminum Base Plates.

Can be used on small vibration isolators or laboratory benches for optical systems.



- Attached grips allow easy moving and storage.
- M4 or M6 tapped through holes are arranged on 25mm×25mm spacing. 1/4-20UNC tapped through holes are on 25.4 mm x 25.4 mm spacing
- Flatness is 0.2mm.

Guide

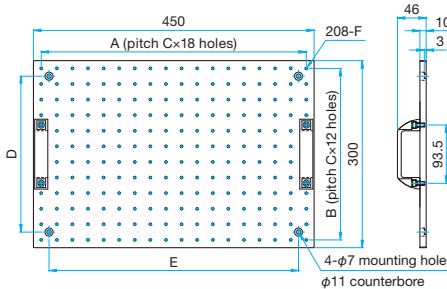
- ▶ Each baseplate comes with two aluminum handles.
- ▶ Custom sizes are available contact our Sales Division for more information.



Outline Drawing

OBC-3045 Series

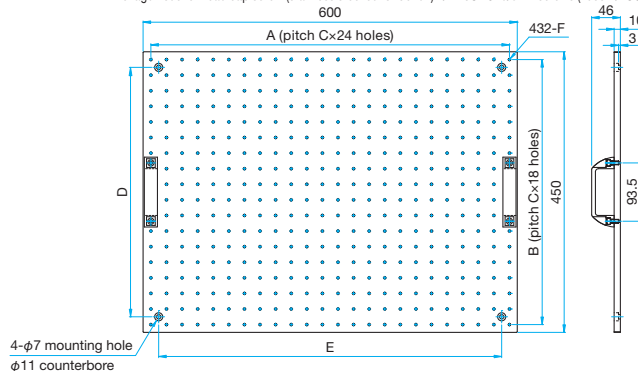
- Hexagon socket head cap screw (stainless steel construction) M6×10...4 screws (3045, 3045-M6)
- Hexagon socket head cap screw (stainless steel construction) 1/4-20UNC×3/8...4 screws (3045-1/4UU)



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F
OBC-3045	425	275	25	250	400	M4
OBC-3045-M6	425	275	25	250	400	M6
OBC-3045-1/4UU	431.8	279.4	25.4	254	406.4	1/4-20UNC

OBC-4560 Series

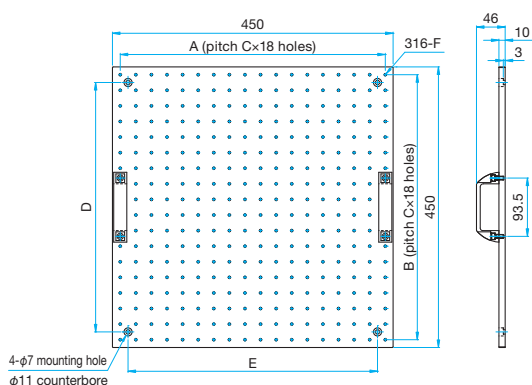
- Hexagon socket head cap screw (stainless steel construction) M6×10...4 screws (4560-M6)
- Hexagon socket head cap screw (stainless steel construction) 1/4-20UNC×3/8...4 screws (4560-1/4UU)



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F
OBC-4560	575	425	25	400	550	M4
OBC-4560-M6	575	425	25	400	550	M6
OBC-4560-1/4UU	584.2	431.8	25.4	406.4	558.8	1/4-20UNC

OBC-4545 Series

- Hexagon socket head cap screw (stainless steel construction) M6×10...4 screws (4545, 4545-M6)
- Hexagon socket head cap screw (stainless steel construction) 1/4-20UNC×3/8...4 screws (4545-1/4UU)



Part Number	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F
OBC-4545	425	425	25	400	400	M4
OBC-4545-M6	425	425	25	400	400	M6
OBC-4545-1/4UU	431.8	431.8	25.4	406.4	406.4	1/4-20UNC

Specifications

Primary material: Aluminum
Finish: Black Anodized

Part Number			Size [mm]	Weight [kg]
Tapped Holes on Top Surface				
M4	M6	1/4-20UNC		
OBC-3045	OBC-3045-M6	OBC-3045-1/4UU	300×450	3.6
OBC-4545	OBC-4545-M6	OBC-4545-1/4UU	450×450	5.4
OBC-4560	OBC-4560-M6	OBC-4560-1/4UU	450×600	7.3

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

Vibration Isolation Systems

Optical Tables

Darkrooms/ Dark Boxes

Optical Bases

Posts

Brackets

Adapters

Tools

The OBC base plate has M4 tapped holes on a 25x2 5mm matrix, and the OBB base plate has M2 tapped holes on a 10x10mm matrix.



Guide

- ▶ Medium low-profile optical rails or compact aluminum rails can be secured on the top surface. In that case, adapters for converting M6 to M4 (AD-M6-M4) and M6 to M2 (AD-M6-M2) are available.
- ▶ We will accept production of sizes not listed in the catalog. Contact our Sales Division for more information.

Attention

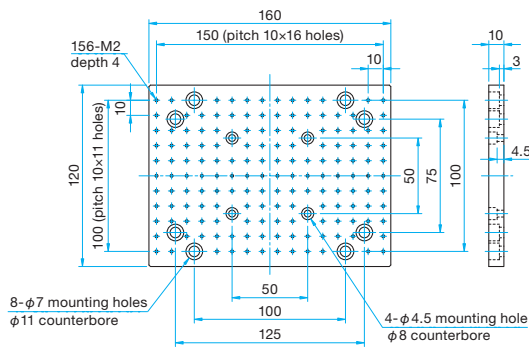
- ▶ Note that this product does not come with grips.



Outline Drawing

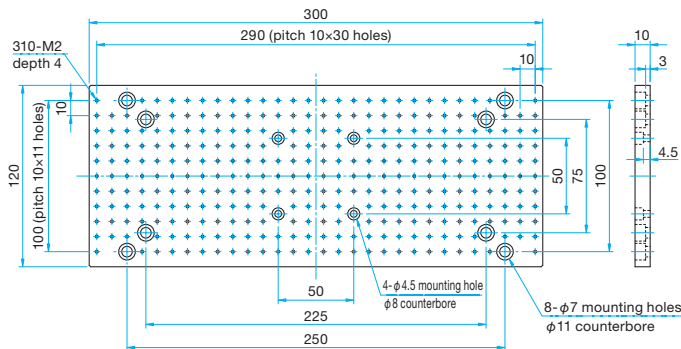
OBB-1216

Hexagonal socket headcap screw M6x10...8 screws, M4x12...4 screws



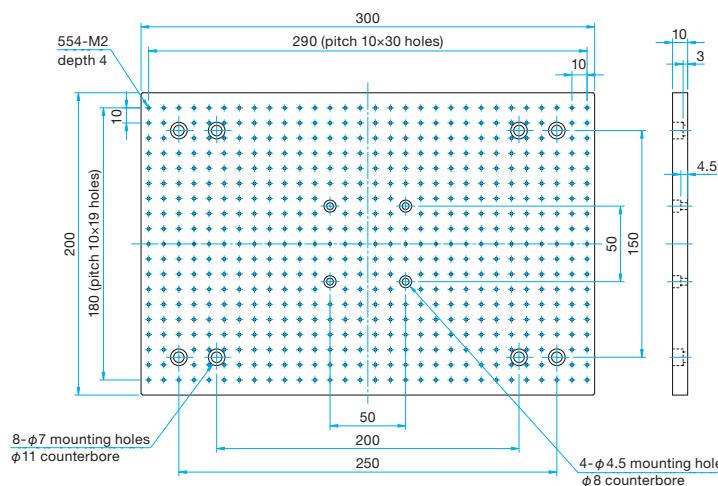
OBB-1230

Hexagonal socket headcap screw M6x10...8 Screws, M4x12...4 screws



OBB-2030

Hexagonal socket headcap screw M6x10...8 screws, M4x12...4 screws



Specifications

Primary material: Aluminum
Finish: Black Anodized

Part Number	Size [mm]	Tapped Holes on Top Surface	Weight [kg]
OBB-1216	120x160	M2	0.48
OBB-1230	120x300	M2	0.93
OBB-2030	200x300	M2	1.58

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

Vibration Isolation Systems

Optical Tables

Darkrooms/ Dark Boxes

Optical Bases

Posts

Brackets

Adapters

Tools

Optical Baseplates Aluminum Spacers (25 × 25 mm)

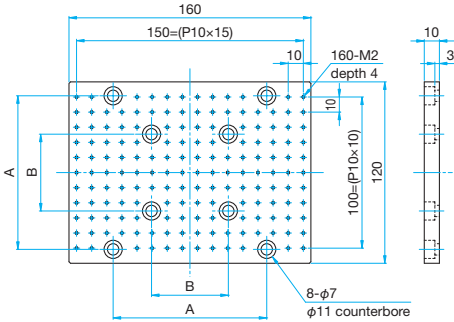
OBB/OBC MSP-25



Outline Drawing

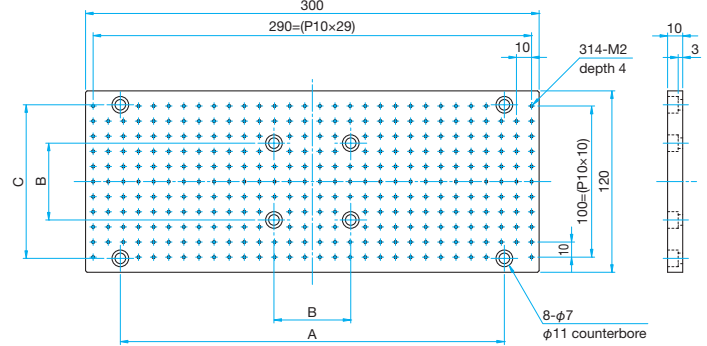
OBB-121EE/121UU

- Hexagonal socket headcap screw M6×10...4 screws (121EE)
- Hexagonal socket headcap screw 1/4-20UNC×3/8...4 screws (121UU)



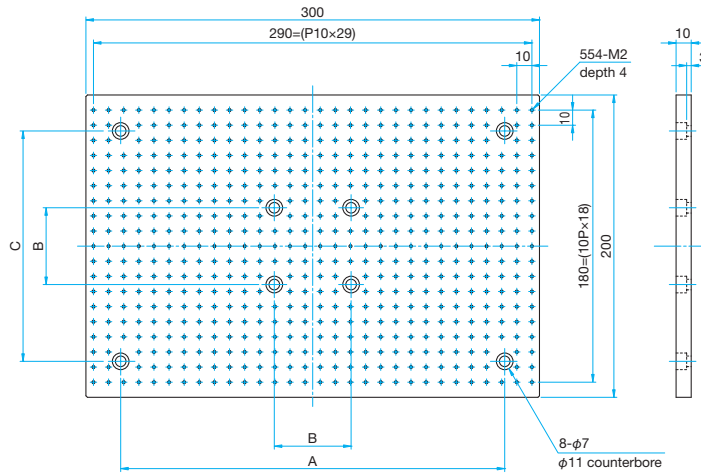
OBB-123EE/123UU

- Hexagonal socket headcap screw M6×10...4 screws (123EE)
- Hexagonal socket headcap screw 1/4-20UNC×3/8...4 screws (123UU)



OBB-203EE/203UU

- Hexagonal socket headcap screw M6×10...4 screws (203EE)
- Hexagonal socket headcap screw 1/4-20UNC×3/8...4 screws (203UU)



Specifications

Part Number	Size [mm]	Tapped Holes on Top Surface	A [mm]	B [mm]	C [mm]	Weight [kg]
OBB-121EE	120×160	M2	100	50	—	0.48
OBB-121UU	120×160	M2	101.6	50.8	—	0.48
OBB-123EE	120×300	M2	250	50	100	0.93
OBB-123UU	120×300	M2	254	50.8	101.6	0.93
OBB-203EE	200×300	M2	250	50	150	1.58
OBB-203UU	200×300	M2	254	50.8	152.4	1.58

Primary material: Aluminum
Finish: Black Anodized



Example of baseplate usage

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

Vibration Isolation Systems

Optical Tables

Darkrooms/ Dark Boxes

Optical Bases

Posts

Brackets

Adapters

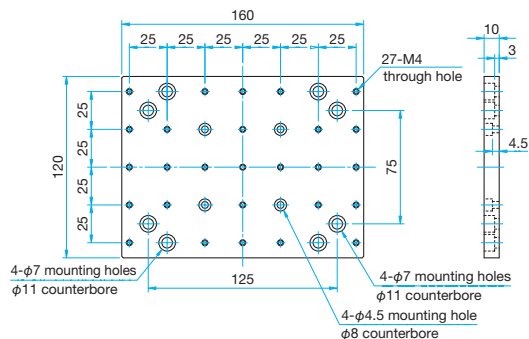
Tools



Outline Drawing

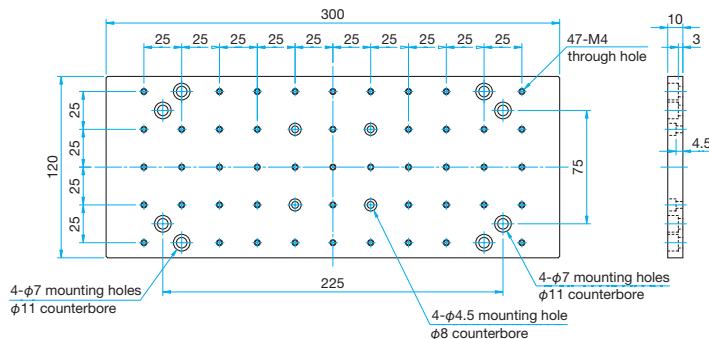
OBC-1216

Hexagonal socket headcap screw M6x10...8 screws, M4x12...4 screws



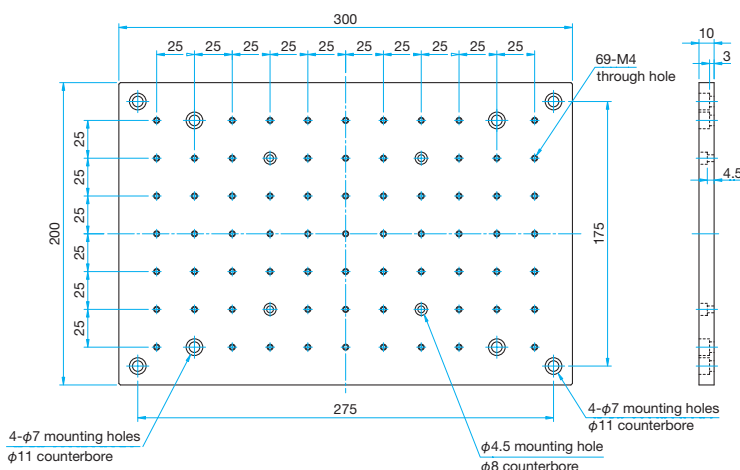
OBC-1230

Hexagonal socket headcap screw M6x10...8 screws, M4x12...4 screws



OBC-2030

Hexagonal socket headcap screw M6x10...8 screws, M4x12...4 screws



Specifications

Part Number	Size [mm]	Tapped Holes on Top Surface	Weight [kg]
OBC-1216	120x160	M4	0.48
OBC-1230	120x300	M4	0.93
OBC-2030	200x300	M4	1.58

Primary material: Aluminum
Finish: Black Anodized

MSP-25



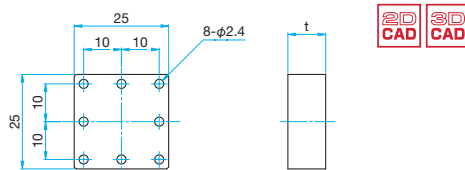
Spacers for □25mm positioning stages.



- These spacers allow users to increase the height (thickness) of stages.
- Various thicknesses are available in 5mm increments.

Outline Drawing

MSP-25



Specifications

Part Number	Thickness t [mm]	Weight [kg]
MSP-2505	5	0.008
MSP-2510	10	0.016
MSP-2515	15	0.024

Primary material: Aluminum
Finish: Black Anodized

Guide

- ▶ Custom sizes not listed in the catalog can be purchased. Contact our Sales Division for more information.

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

MotORIZED Stages

Light Sources & Laser Safety

Index

Guide

Vibration Isolation Systems

Optical Tables

Darkrooms/ Dark Boxes

Optical Bases

Posts

Brackets

Adapters

Tools