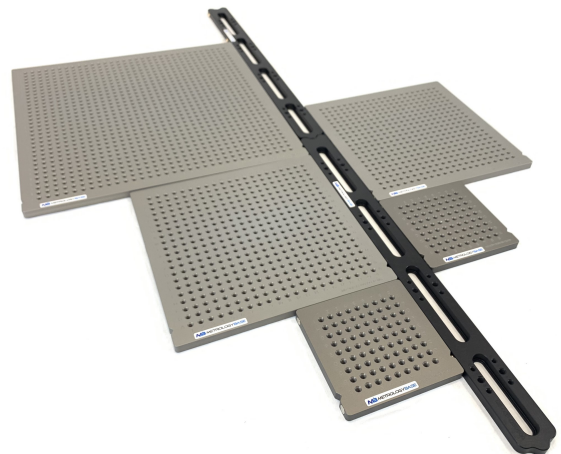
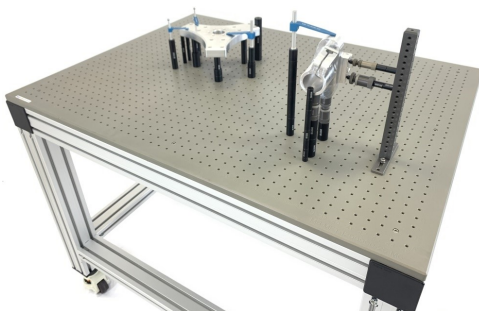




GLOBAL CATALOG V1

- * Heavy Duty Metrology Stands
- * Heavy Duty Metrology Tripods
- * Magnetic Mounts
- * Mounting Plates
- * CMM Base Plates
- * Quick Base Plates
- * Metrology Fixture Tables
- * Fixture Components
- * Accessories



HEAVY DUTY METROLOGY STANDS

METROLOGYBASE offers wide range of portable Heavy Duty Metrology Stands for all types of metrology instruments

- Professional Stands with Extraordinary Sturdiness and Rigidity -



HDS SERIES METROLOGY STANDS

Why METROLOGYBASE Stands?

METROLOGYBASE Portable Heavy Duty Stands have been designed for all types of metrology instruments.

- Extraordinary sturdiness and rigidity
- Rugged construction
- Extended bearing surface for tripod bolts
- Adjustable bolts
- Next-generation seal technology
- Reinforced backbone
- Accessory flange



STABLE RESULTS

FEATURES



Construction

The bases of the stands are heavy steel for strength and stability. Stands have seamless steel main tubes. Adjustable models have hard chrome plated intermediate tubes. All stands have hollow type tubes.



Adapter

Heavy Duty Portable Metrology Stands can be used with any product having an internal $3\frac{1}{2}$ "-8 thread.



Smooth Adjustment

Adjustable Stands have pinion gears to raise and lower the intermediate tube by using handles smoothly.



Spring Loaded Lock

Adjustable Heavy Duty Stands have spring loaded ratchet pawl on gear rack. It helps to avoid sudden drops.



Anti-Free Fall Mechanism

Adjustable Heavy Duty Stands have air check mechanism. It prevents sudden descent of the metrology instrument if both ratchet pawl and column lock are released at the same time.



Foot Pedal

METROLOGYBASE Heavy Duty Stands have foot pedal for rising and lowering casters. Foot pedal has locking system to eliminate pedal slippage when moving across floor.



Drop-Down Casters

Heavy Duty Metrology Stands have three casters. Casters with rubber tires are used for transportation of stands with or without metrology instrument. They are engaged and released by a foot pedal.



Double Column Lock

METROLOGYBASE Adjustable Heavy Duty Stands have double lock for intermediate column (tube). Double column lock provides more safety under heavy loads.



Accessory Mount

METROLOGYBASE Heavy Duty Stands have flange for mounting accessories. *Laptop Arm and other specific accessories or plates can be mounted on that base. (*Accessories)



Easy Disassembly

Main column of the Heavy Duty Metrology Stands can be assembled and disassembled easily for carrying and shipping purposes.

REPEATABLE MEASUREMENTS

SELECT YOUR MODEL

Fixed or Adjustable

Fixed METROLOGYBASE has designed rigid and stable Heavy Duty Metrology Stands to meet all of your metrology needs. These heavy duty metrology stands satisfy your needs when stability, sturdiness, durability and weight are of primary importance. Heavy Duty Metrology Stands are available in a number of standard configurations.



Fixed



Adjustable

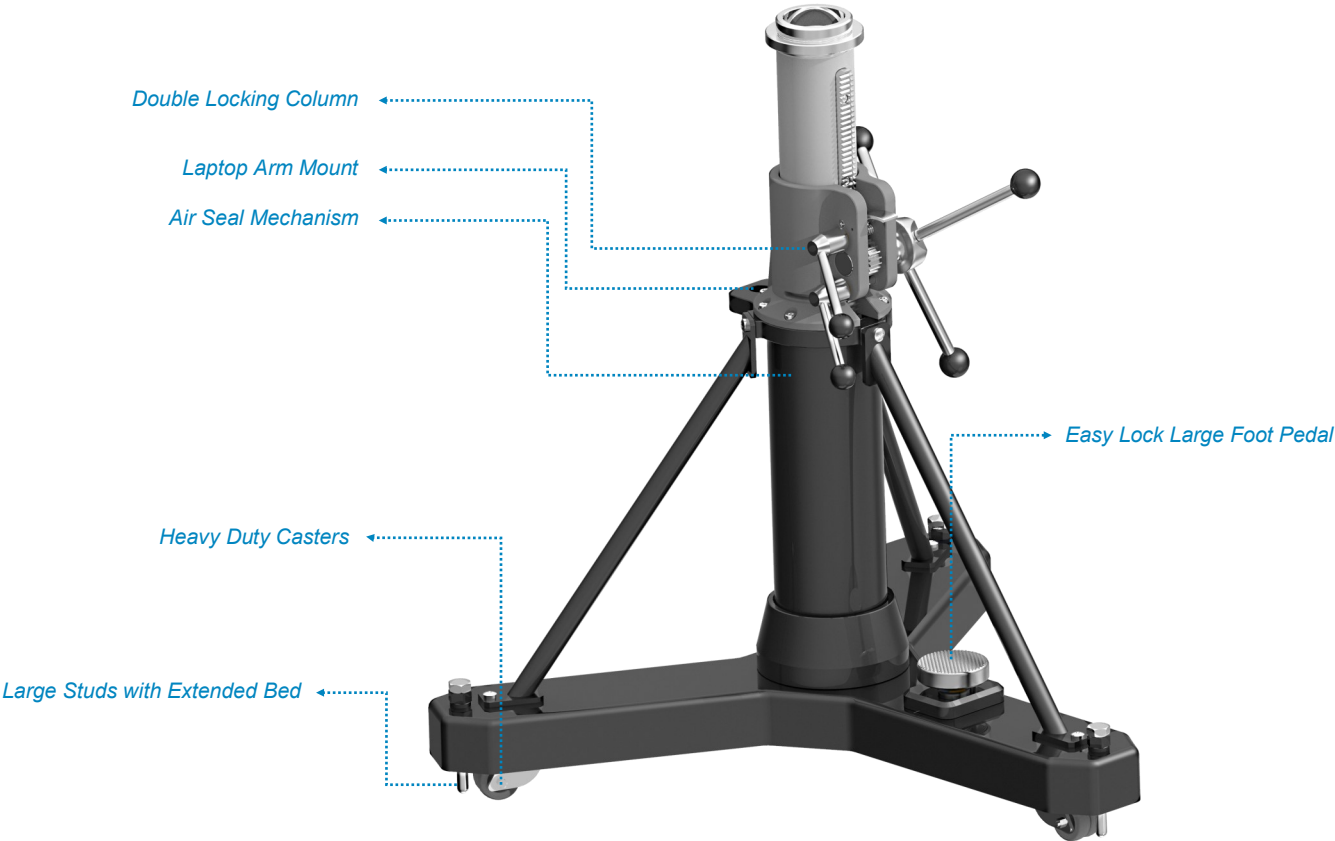
ACCESSORIES



Laptop Arm



Stand Extensions



TECH SPECS

Product Number	Fixed/Adjustable	Height	Weight	Load Capacity
MB-HDS-F10"	Fixed	10"	45 Kg	120 Kg
MB-HDS-F20"	Fixed	20"	57 Kg	120 Kg
MB-HDS-F27"	Fixed	27"	62 Kg	120 Kg
MB-HDS-F32"	Fixed	32"	68 Kg	120 Kg
MB-HDS-20"-25"	Adjustable	20"-25"	68 Kg	70 Kg
MB-HDS-28"-42"	Adjustable	28"-42"	72 Kg	70 Kg
MB-HDS-36"-54"	Adjustable	36"-54"	81 Kg	70 Kg
MB-HDS-43"-67"	Adjustable	43"-67"	85 Kg	70 Kg

HEAVY DUTY METROLOGY TRIPODS

METROLOGYBASE offers wide range of portable Heavy Duty Metrology Tripods for Portable CMMs

- Professional Tripods with Extraordinary Sturdiness and Rigidity -



HDT SERIES METROLOGY TRIPODS

Why METROLOGYBASE Tripods?

METROLOGYBASE Portable Heavy Duty Tripods have been designed for Portable CMMs. Portable Heavy Duty Tripods are ideal where portability and high stiffness is of primary importance for precision metrology equipment.

- Extraordinary sturdiness and rigidity
- Rugged construction
- Ideal indoor and outdoor use
- Adjustable pads on each leg
- Point type stainless steel feet are also available for outdoor use



FUNCTIONAL & PORTABLE

FEATURES



Construction

All parts are 100% CNC MACHINED from solid block materials (No casting). Made from high strength 6061 T6 series aircraft grade aluminum and corrosion resistant stainless steel.



Adapter

Heavy Duty Portable Metrology Tripods can be used with any product having an internal 3½"-8 thread.



Easy Lock

Heavy Duty Portable Metrology Tripods have easy column lock. After adjusting leg angles, you can easily fix your tripod with this lock.



Spirit Level

Heavy Duty Metrology Tripods comes with spirit level. You can make horizontal leveling of your tripod easily with spirit level.



Portability

*Wheels can be mounted to the lower legs of the heavy duty portable metrology tripods. They enable easy transportation of tripod and instrument on smooth surfaces. (*Accessory)



Horizontal Leveling

You can easily make horizontal fine leveling up to 10° with *3 Way Leveling Head. It allows correcting horizontal plan without acting on the legs height and without compromise for torsional rigidity. (*Accessory)

SELECT YOUR MODEL

Using METROLOGYBASE Portable Heavy Duty Tripods improve your flexibility at measurement area. METROLOGYBASE has designed these portable heavy duty metrology tripods for functionality, portability and repeatable measurement. Portable Heavy Duty Tripods are available in a number of standard configurations.

Short or Tall

Heavy Duty Tripods are available in a short or tall version. The double upper leg section and the adjustable instrument column of the tall version are longer.



Fixed or Adjustable

Fixed tripod's adapter is mounted directly to the top of the stand. Adjustable model has hand wheel driven worm gear column for up and down adjustment of the equipment. It enables vertical adjustment of instrument easily.



Aluminum or Carbon Fiber

Double upper legs can be aluminum or carbon fiber. Carbon fiber legs option have lower weight and give thermal stability advantage.



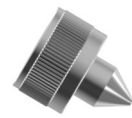
ACCESSORIES



Stand Extensions



Wheels



Point Feet



3 Way Leveling Head



Carrying Bags

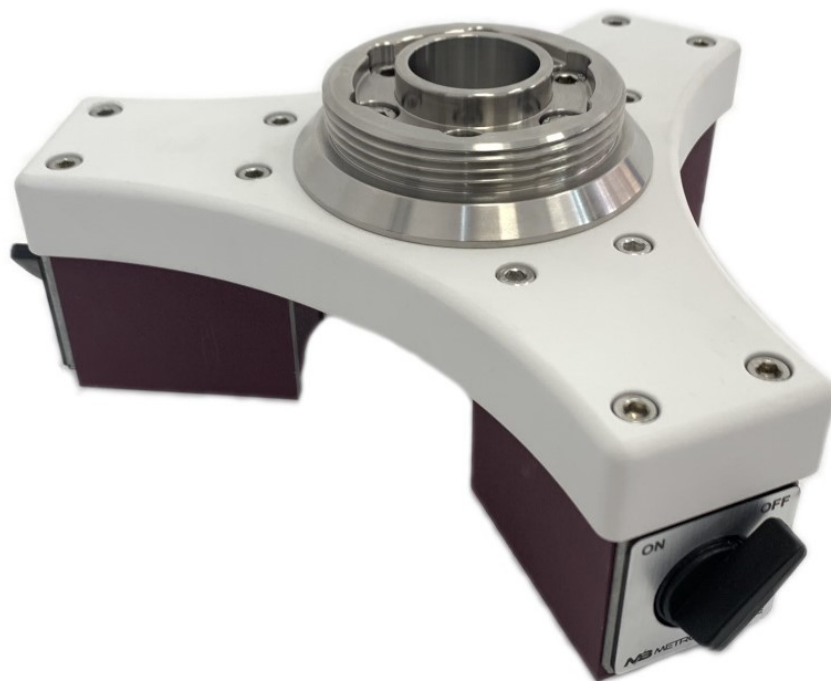


TECH SPECS

Product Number	Short/Tall	Fixed/Adjustable	Upper Legs	Min. Height	Max. Height	Weight	Load Capacity
MB-HDT-SF-AL	Short	Fixed	Aluminum	628 mm	988 mm	15.4 Kg	80 Kg
MB-HDT-TF-AL	Tall	Fixed	Aluminum	926 mm	1288 mm	17 Kg	80 Kg
MB-HDT-SF-CF	Short	Fixed	Carbon Fiber	628 mm	988 mm	13.9 Kg	80 Kg
MB-HDT-TF-CF	Tall	Fixed	Carbon Fiber	926 mm	1288 mm	15.5 Kg	80 Kg
MB-HDT-SA-AL	Short	Adjustable	Aluminum	739 mm	1395 mm	19.8 Kg	50 Kg
MB-HDT-TA-AL	Tall	Adjustable	Aluminum	1080 mm	1698 mm	23 Kg	50 Kg
MB-HDT-SA-CF	Short	Adjustable	Carbon Fiber	739 mm	1395 mm	18 Kg	50 Kg
MB-HDT-TA-CF	Tall	Adjustable	Carbon Fiber	1080 mm	1698 mm	21 Kg	50 Kg

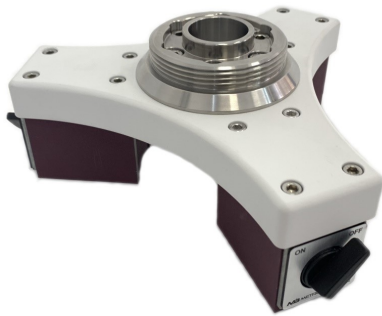
MAGNETIC BASES

METROLOGYBASE offers Magnetic Bases on flat or curved surfaces for Portable CMMs



SELECT YOUR MAGNETIC BASE

Using METROLOGYBASE Magnetic Bases improve your flexibility at measurement area. METROLOGYBASE has designed these Magnetic Bases for functionality, portability and repeatable measurement of CMMs. Magnetic Bases are available in four standard configurations.



Flat Surfaces



Curved Surfaces



Adapter 1



Adapter 2

MAGNETIC BASE 1

- Magnetic Base 1 can be used on flat and magnetic surfaces.
- 3-point contact.
- Locks with three magnets.

MAGNETIC BASE 2

- Magnetic Base 2 can be used on curved and magnetic surfaces.
- Adjustable magnetic base mount design.
- 2-point contact.
- Locks with two magnets.

FEATURES

METROLOGYBASE Magnetic Bases have been designed for Portable CMMs and Laser Trackers. Magnetic Bases are ideal where you want to make measurements on magnetic surfaces.

- Rigid and rugged construction
- Perfect planarity base
- Ideal for indoor use

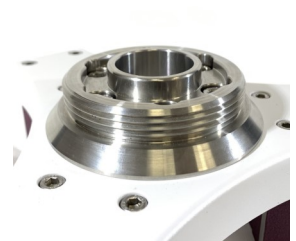
Construction

All parts are 100% CNC MACHINED from solid block materials (No casting). Made from high strength 6061 T6 series aircraft grade aluminum and corrosion resistant stainless steel.



Adapter

Magnetic Bases can be used with any product having an internal 3½"-8 thread.



Planarity

METROLOGYBASE Magnetic Bases have perfect planarity. Magnets' bottom surface have been machined after assembly.



Easy Setup

Magnetic Bases can be mounted on any magnetic surface easily with on/off switches.



Flat or Curved

Magnetic Base 1 is for flat surfaces. Magnetic Base 2 is for curved surfaces. You can select your best fit product according to the mounting magnetic surface.



Adapter 1 or 2

Adapters are available in 2 versions. 1* has high inner ring that help centering the metrology instrument when mounting. 2 does not have inner centering ring. *Some metrology instruments

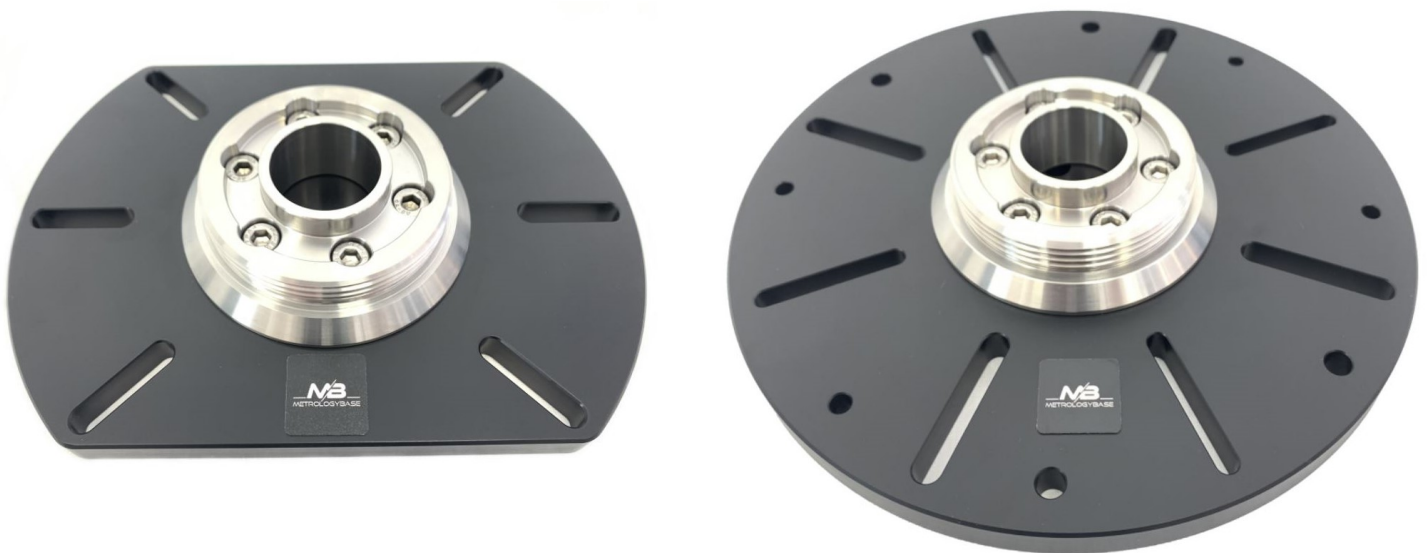


TECH SPECS

Product Number	Flat/Curved	Adapter	Magnet Force	Weight	Ring
MB-MB-01-A1	Flat	1	980 N x 3	6.4 Kg	3½"-8 Thread
MB-MB-01-A2	Flat	2	980 N x 3	6.36 Kg	3½"-8 Thread
MB-MB-02-A1	Curved	1	1470 N x 2	10.15 Kg	3½"-8 Thread
MB-MB-02-A2	Curved	2	1470 N x 2	10.11 Kg	3½"-8 Thread

MOUNTING PLATES

METROLOGYBASE offers Mounting Plates
for Portable CMMs

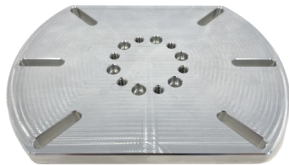


FEATURES

METROLOGYBASE produces these Mounting Plates for CMMs on non-magnetic surfaces. Mounting Plates are available in four standard configurations. METROLOGYBASE Mounting Plates have been designed for Portable CMMs and Laser Trackers. Mounting Plates are ideal where you want to make measurements on non-magnetic surfaces.

Construction

All parts are 100% CNC MACHINED from solid block materials (No casting). Made from high strength 6061 T6 series aircraft grade aluminum and corrosion resistant stainless steel.



Adapter

Magnetic Bases can be used with any product having an internal 3½"-8 thread.



Mounting Plate 1 or 2

Choose one of our Mounting Plates. Dimensions are at [METROLOGYBASE Mounting Plates Technical Specifications](#).



Adapter 1 or 2

Adapters are available in 2 versions. 1* has high inner ring that help centering the metrology instrument when mounting. 2 does not have inner centering ring. **Some metrology instruments*

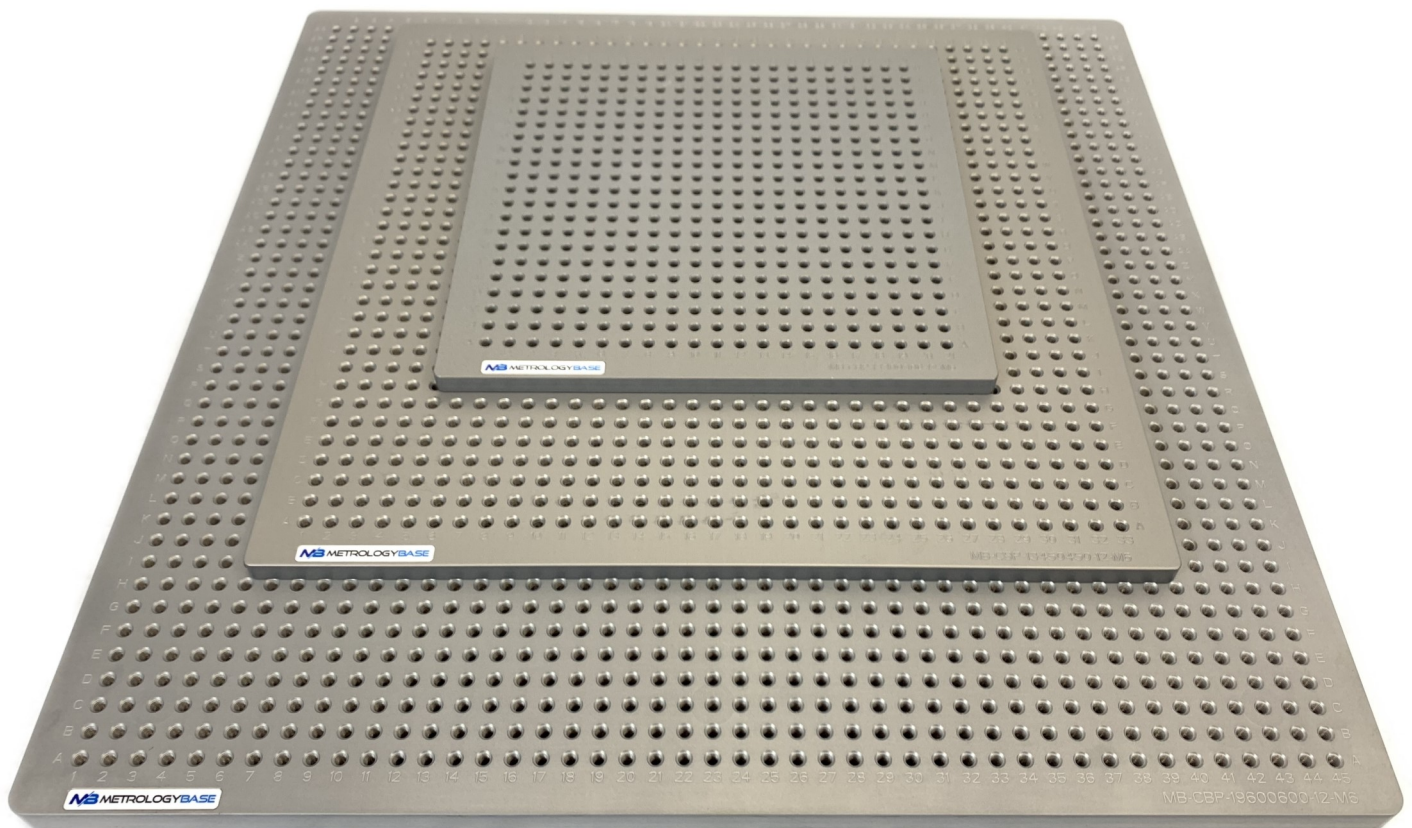


TECH SPECS

Product Number	Base Plate	Adapter	Weight	Ring
MB-MP-01-A1	1	1	2.45 Kg	3½"-8 Thread
MB-MP-01-A2	1	2	2.41 Kg	3½"-8 Thread
MB-MP-02-A1	2	1	2.98 Kg	3½"-8 Thread
MB-MP-02-A2	2	2	2.94 Kg	3½"-8 Thread

CMM BASE PLATES

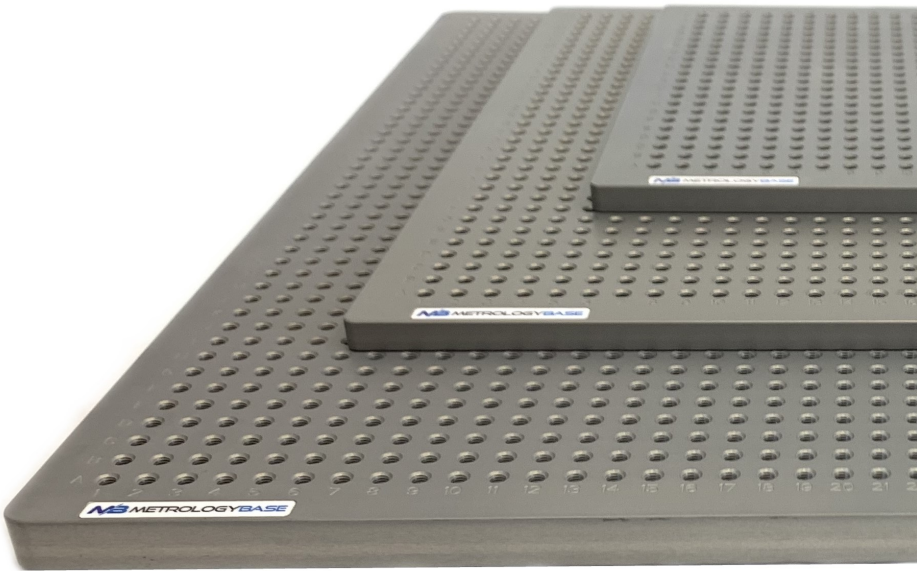
**METROLOGYBASE offers wide range of CMM Base Plates
to simplify your fixturing**



FEATURES

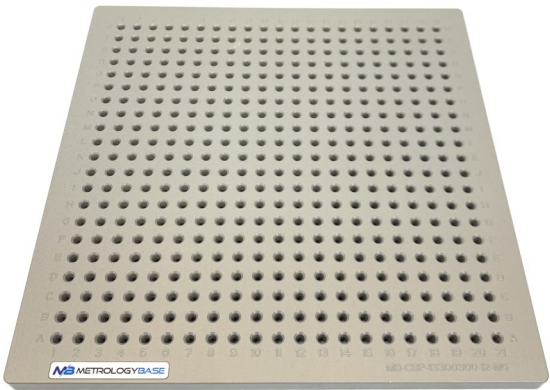
METROLOGYBASE CMM Base Plates are available in sizes from 300 mm x 300 mm to 900 mm x 1200 mm. All plates designed to allow mounting very small parts to heavy components.

- Aluminum plate
- Hard anodized surface finish
- Scratch resistant
- Alphanumeric grid pattern



Mounting on CMM's Granite Plate;

When using your CMM Base Plate, fixing your plate on granite surface is very important for accuracy and repeatability during your inspection. You can fix Base Plates with any plate clamps.



TECH SPECS

Product Number	Thread	Width	Depth	Thickness	Thread Spacing
MB-CBP-13300300-12-M6	M6	300 mm	300 mm	13 mm	12.5 mm
MB-CBP-13450450-12-M6	M6	450 mm	450 mm	13 mm	12.5 mm
MB-CBP-19600600-12-M6	M6	600 mm	600 mm	19 mm	12.5 mm
MB-CBP-19750750-12-M6	M6	750 mm	750 mm	19 mm	12.5 mm
MB-CBP-197501000-12-M6	M6	750 mm	1000 mm	19 mm	12.5 mm
MB-CBP-199001200-12-M6	M6	900 mm	1200 mm	19 mm	12.5 mm
MB-CBP-13300300-12-M8	M8	300 mm	300 mm	13 mm	15 mm
MB-CBP-13450450-12-M8	M8	450 mm	450 mm	13 mm	15 mm
MB-CBP-19600600-12-M8	M8	600 mm	600 mm	19 mm	15 mm
MB-CBP-19750750-12-M8	M8	750 mm	750 mm	19 mm	15 mm
MB-CBP-197501000-12-M8	M8	750 mm	1000 mm	19 mm	15 mm
MB-CBP-199001200-12-M8	M8	900 mm	1200 mm	19 mm	15 mm



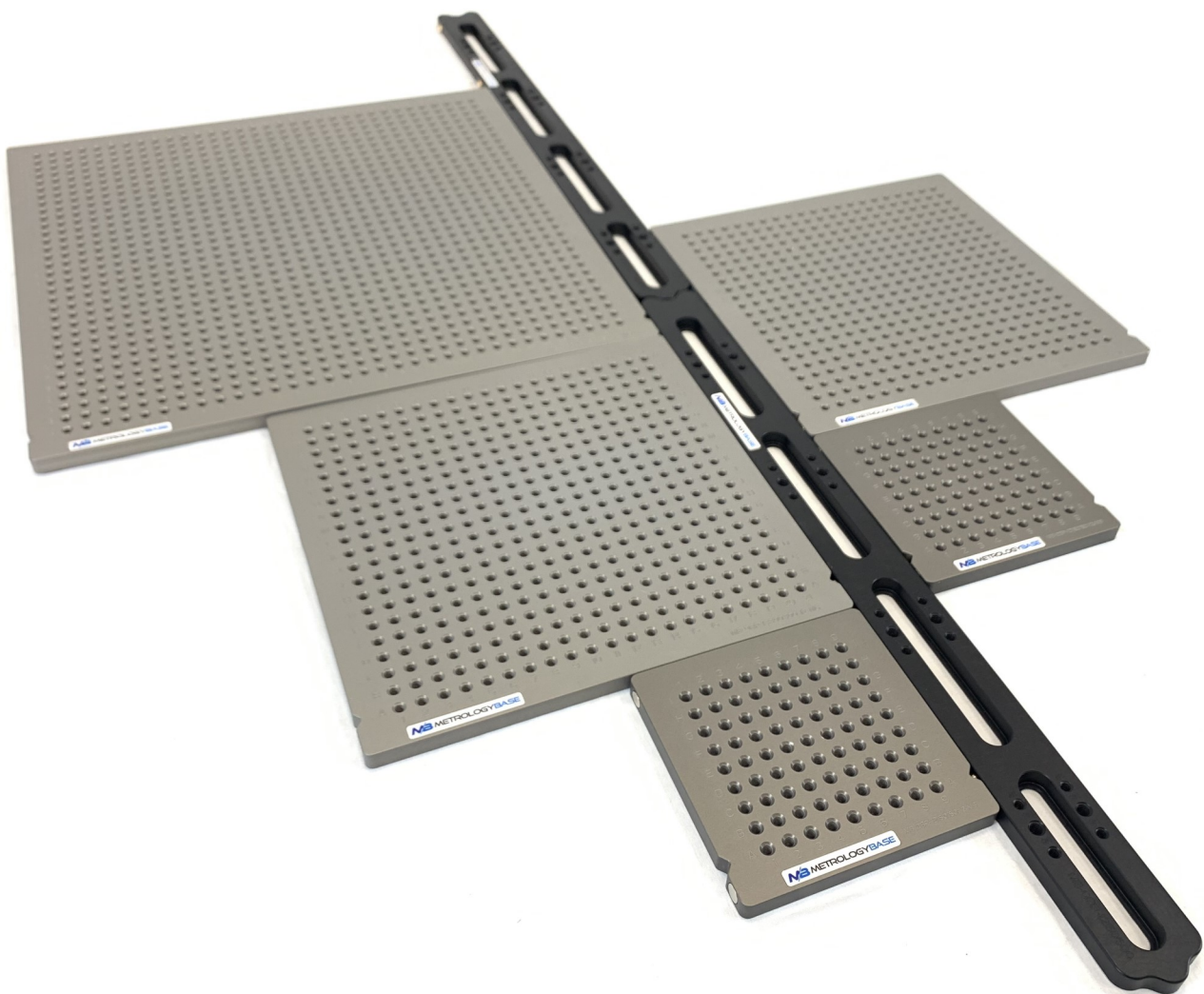
METROLOGYBASE

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QUICK BASE PLATES

METROLOGYBASE offers Quick Base Plate systems to reduce setup times and increase speed & flexibility

- Fast and Flexible Fixturing -



FEATURES

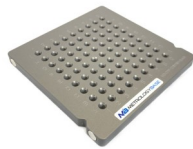
METROLOGYBASE designed Quick Base Plates to increase speed and flexibility when loading parts onto CMM.

- Aluminum plate
- Hard anodized surface finish
- Scratch resistant
- Alphanumeric grid pattern
- M6 or M8 thread options
- Built-in magnets on plates
- Quick locating rail
- Built-in pins on rail



Fast, Easy & Robust

METROLOGYBASE Quick Base Plate system allows user to setup parts on CMM's granite plate very fast and easy. In addition to being easy and fast system, Quick Base Plates are robust fixturing solutions.



Accurate & Repeatable

With Quick Base Plate system, after first inspection, user can change inspected part and put new part on same position easily and accurately.



Multiple Parts

METROLOGYBASE Quick Base Rail allows mounting multiple Quick Base Plates on both sides. You can easily switch between measured parts.



Maximum Measurement Volume

With increasing the number of rails and plates, you can improve your CMM's measuring volume capacity with less effort. You can make any configuration you want when location your parts on granite plate.

TECH SPECS

Quick Base Plates

Product Number	Thread	Height	Width	Length	Hole Spacing
MB-QBP-13150150-12-M6	M6	12.7 mm	150 mm	150 mm	12.5 mm
MB-QBP-13300300-12-M6	M6	12.7 mm	300 mm	300 mm	12.5 mm
MB-QBP-13450450-12-M6	M6	12.7 mm	450 mm	450 mm	12.5 mm
MB-QBP-13300300-15-M8	M8	12.7 mm	300 mm	300 mm	15 mm
MB-QBP-13450450-15-M8	M8	12.7 mm	450 mm	450 mm	15 mm

Quick Base Rail

Product Number	Height	Width	Length
MB-QBR-1250600	12.4 mm	50 mm	600 mm



METROLOGYBASE

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METROLOGYBASE reserves the right to change the product design and specifications, including but not limited to size, color, etc. Pictures are for reference only.

METROLOGY FIXTURE TABLES

METROLOGYBASE offers Fixture Tables for Portable, Gantry & Horizontal CMMs.

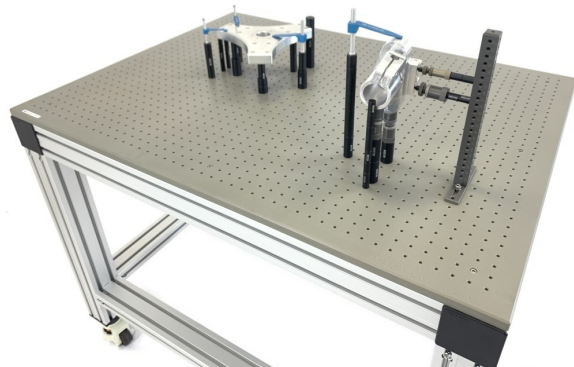
- Flexible & Portable Fixturing -



FEATURES

METROLOGYBASE Fixture Tables are ideal for portable CMMs. Their construction gives flexibility to mount CMM and parts. Their rigid construction gives ability to stand under extra heavy parts. You can also use our fixture tables with Gantry and Horizontal CMMs.

- Aluminum plate
- Hard anodized surface finish
- Scratch resistant
- Alphanumeric grid pattern
- M6 or M8 thread options
- Ultra rigid and stable
- Leveling feet for portability



Construction

METROLOGYBASE Fixture Tables are made from aluminum extrusion frame and cast aluminum plate. Rigid construction allows measuring heavy parts on table.



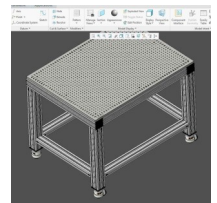
Flexibility

With Metrology Fixture Tables having M6 or M8 mounting threads, you can mount your Portable CMM and inspection part anywhere you want on surface. M6 tables have 25 mm spacing, M8 tables have 30 mm spacing for more flexible setups.



Portability

METROLOGYBASE Fixture Tables have leveling feet. You can transport your table easily with using wheels. Using feet knob, you can easily level and fix your table in your inspection area



Custom Tables

METROLOGYBASE offers customized Fixture Table solutions. You can add additional features to your table such as drawers, shelves and laptop brackets. Please fill **the Custom Metrology Fixture Table Request Form**.

TECH SPECS

Product Number	Thread	Height	Width	Depth	Hole Spacing
MB-MFT-1200900-25-M6	M6	900 mm	1200 mm	900 mm	25 mm
MB-MFT-1500900-25-M6	M6	900 mm	1500 mm	900 mm	25 mm
MB-MFT-18001200-25-M6	M6	900 mm	1800 mm	1200 mm	25 mm
MB-MFT-1200900-30-M8	M8	900 mm	1200 mm	900 mm	30 mm
MB-MFT-1500900-30-M8	M8	900 mm	1500 mm	900 mm	30 mm
MB-MFT-18001200-30-M8	M8	900 mm	1800 mm	1200 mm	30 mm

M6 FIXTURE KIT 1

METROLOGYBASE Fixture Kits include a CMM Base Plate and set of Fixture Components



Kit Number	Kit	CMM Base Plate
MB-FK-M6-01-1	1	13 mm x 300 mm x 300 mm
MB-FK-M6-01-2	1	13 mm x 450 mm x 450 mm
MB-FK-M6-01-3	1	13 mm x 600 mm x 600 mm
MB-FK-M6-01-4	1	19 mm x 750 mm x 750 mm
MB-FK-M6-01-5	1	19 mm x 750 mm x 1000 mm
MB-FK-M6-01-6	1	19 mm x 900 mm x 1200 mm



Kits are supplied with plate clamps.



Component set of M6 Fixture Kit 1

Qty.	Product Number	Product Description
3	MB-S-1220-M6	Ø12x20 mm standoff
3	MB-S-1225-M6	Ø12x25 mm standoff
3	MB-S-1250-M6	Ø12x50 mm standoff
3	MB-S-1920-M6	Ø19x20 mm standoff
3	MB-S-1925-M6	Ø19x25 mm standoff
3	MB-S-1950-M6	Ø19x50 mm standoff
3	MB-S-2520-M6	Ø25x20 mm standoff
3	MB-S-2525-M6	Ø25x25 mm standoff
3	MB-S-2550-M6	Ø25x50 mm standoff
2	MB-PS-1225-M6	Ø12x25 mm pin standoff
2	MB-TC-3040-M6	40 mm tension clamp with 30 mm post
4	MB-TCS-7064-M6	64 mm soft tip tension clamp with 70 mm post
4	MB-C-D-M6	Delrin resting cone
1	MB-AJ-15-M6	Ø15 mm adjustable jackstand
1	MB-AS-44-M6	44 mm long adjustable slide
1	MB-AS-72-M6	72 mm long adjustable slide
1	MB-CT-500200	500 mm x 200 mm x 25 mm component tray

M6 FIXTURE KIT 2

METROLOGYBASE Fixture Kits include a CMM Base Plate and set of Fixture Components



Kit Number	Kit	CMM Base Plate
MB-FK-M6-02-1	2	13 mm x 300 mm x 300 mm
MB-FK-M6-02-2	2	13 mm x 450 mm x 450 mm
MB-FK-M6-02-3	2	13 mm x 600 mm x 600 mm
MB-FK-M6-02-4	2	19 mm x 750 mm x 750 mm
MB-FK-M6-02-5	2	19 mm x 750 mm x 1000 mm
MB-FK-M6-02-6	2	19 mm x 900 mm x 1200 mm



Kits are supplied with plate clamps.

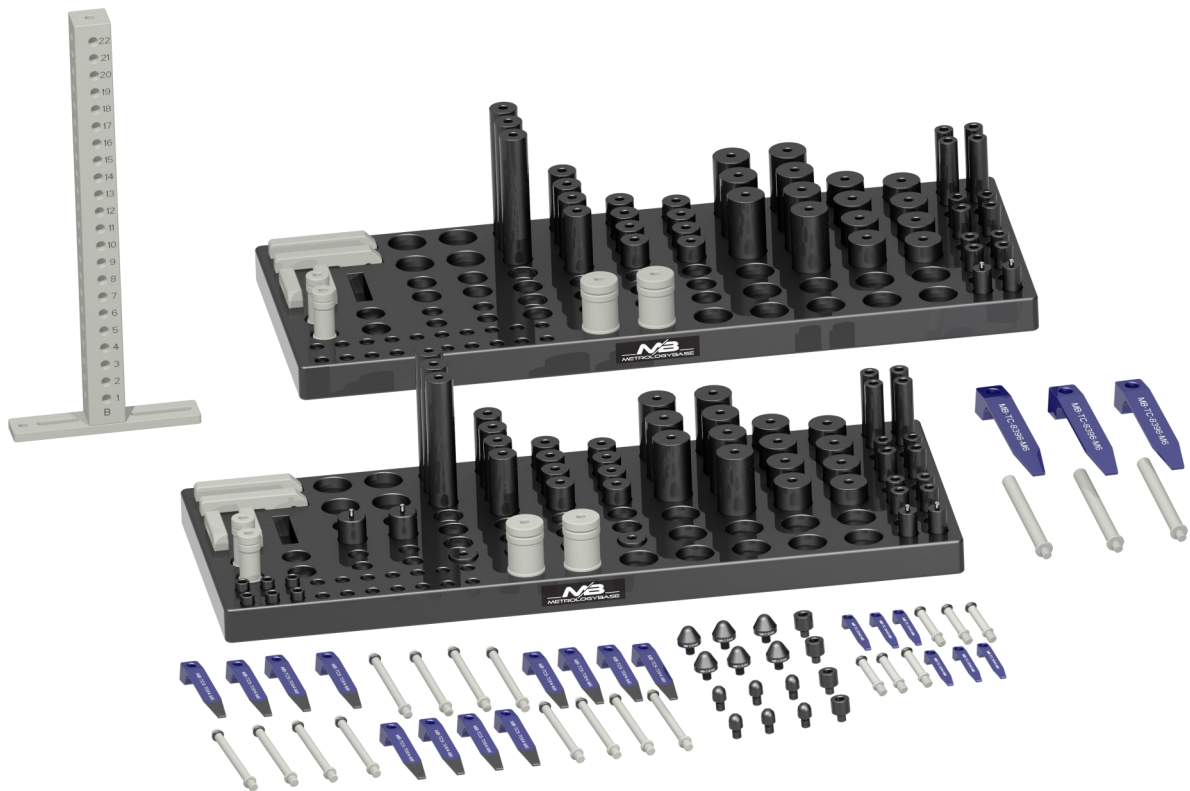


Component set of M6 Fixture Kit 2

Qty.	Product Number	Product Description
3	MB-S-910-M6	Ø9x10 mm standoff
6	MB-S-1220-M6	Ø12x20 mm standoff
6	MB-S-1225-M6	Ø12x25 mm standoff
6	MB-S-1250-M6	Ø12x50 mm standoff
3	MB-S-1910-M6	Ø19x10 mm standoff
6	MB-S-1920-M6	Ø19x20 mm standoff
6	MB-S-1925-M6	Ø19x25 mm standoff
6	MB-S-1950-M6	Ø19x50 mm standoff
4	MB-S-19100-M6	Ø19x100 mm standoff
6	MB-S-2520-M6	Ø25x20 mm standoff
6	MB-S-2525-M6	Ø25x25 mm standoff
10	MB-S-2550-M6	Ø25x50 mm standoff
4	MB-PS-1225-M6	Ø12x25 mm pin standoff
6	MB-TC-3040-M6	40 mm tension clamp with 30 mm post
12	MB-TCS-7064-M6	64 mm soft tip tension clamp with 70 mm post
4	MB-C-D-M6	Delrin resting cone
4	MB-RP-S-M6	Steel resting pin
2	MB-AJ-15-M6	Ø15 mm adjustable jackstand
2	MB-AJ-25-M8	Ø25 mm adjustable jackstand
2	MB-AS-44-M6	44 mm long adjustable slide
2	MB-AS-72-M6	72 mm long adjustable slide
1	MB-CT-500200	500 mm x 200 mm x 25 mm component tray

M6 FIXTURE KIT 3

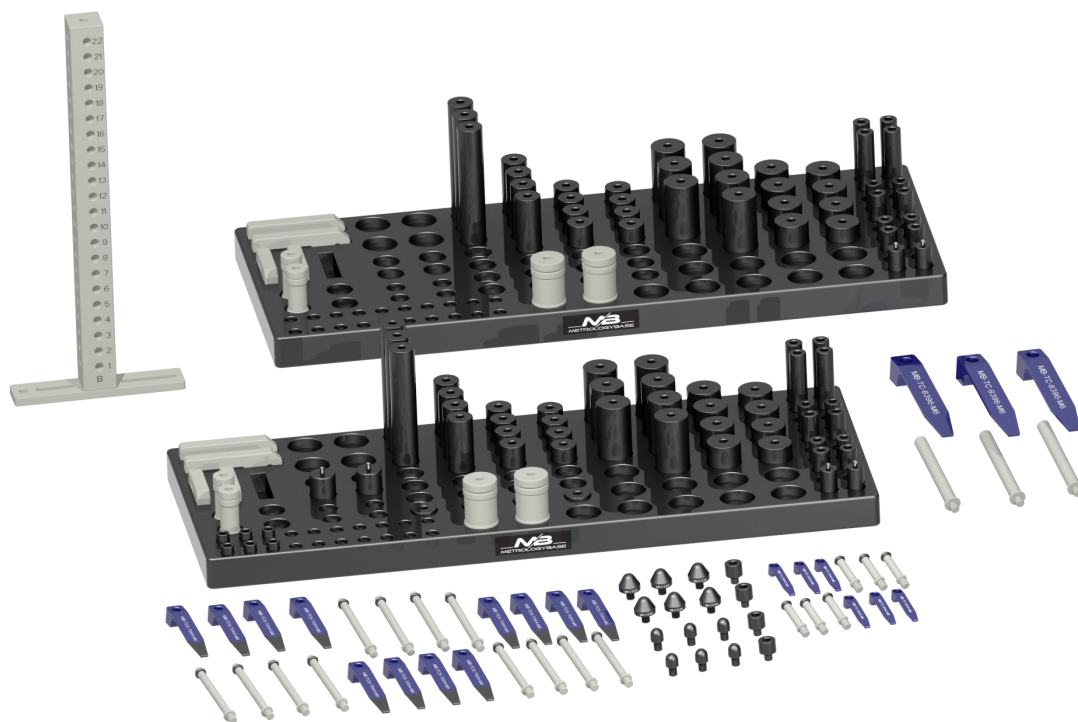
METROLOGYBASE Fixture Kits include a CMM Base Plate and set of Fixture Components



Kit Number	Kit	CMM Base Plate
MB-FK-M6-03-1	3	13 mm x 300 mm x 300 mm
MB-FK-M6-03-2	3	13 mm x 450 mm x 450 mm
MB-FK-M6-03-3	3	13 mm x 600 mm x 600 mm
MB-FK-M6-03-4	3	19 mm x 750 mm x 750 mm
MB-FK-M6-03-5	3	19 mm x 750 mm x 1000 mm
MB-FK-M6-03-6	3	19 mm x 900 mm x 1200 mm



Kits are supplied with plate clamps.



Component set of M6 Fixture Kit 3

Qty.	Product Number	Product Description
6	MB-S-910-M6	Ø9x10 mm standoff
4	MB-S-1210-M6	Ø12x10 mm standoff
8	MB-S-1220-M6	Ø12x20 mm standoff
8	MB-S-1225-M6	Ø12x25 mm standoff
8	MB-S-1250-M6	Ø12x50 mm standoff
4	MB-S-1910-M6	Ø19x10 mm standoff
8	MB-S-1920-M6	Ø19x20 mm standoff
8	MB-S-1925-M6	Ø19x25 mm standoff
8	MB-S-1950-M6	Ø19x50 mm standoff
6	MB-S-19100-M6	Ø19x100 mm standoff
8	MB-S-2520-M6	Ø25x20 mm standoff
8	MB-S-2525-M6	Ø25x25 mm standoff
14	MB-S-2550-M6	Ø25x50 mm standoff
4	MB-PS-1225-M6	Ø12x25 mm pin standoff
2	MB-PS-1925-M6	Ø19x25 mm pin standoff
6	MB-TC-3040-M6	40 mm tension clamp with 30 mm post
12	MB-TCS-7064-M6	64 mm soft tip tension clamp with 70 mm post
3	MB-TC-8396-M6	96 mm tension clamp with 83 mm post
6	MB-C-D-M6	Delrin resting cone
6	MB-RP-S-M6	Steel resting pin
4	MB-AJ-15-M6	Ø15 mm adjustable jackstand
4	MB-AJ-25-M8	Ø25 mm adjustable jackstand
4	MB-AS-44-M6	44 mm long adjustable slide
4	MB-AS-72-M6	72 mm long adjustable slide
1	MB-T-30025-2-M6	25x25x300 mm tower
2	MB-CT-500200	500 mm x 200 mm x 25 mm component tray