

MEASURING TOOLS

STANDS

Stands

Magnetic Stands	J-002
Artical holders FAT	J-003
Artical Holders FAB	J-004
Articulated holders FAT & FAB	J-005
Sets & Indicators	J-006
Centering Universal Holders	J-007
Mini Holders - PH mini Holder	J-007
Mini Holders - LC mini Holder	J-008
Mini Holders - NogaFlex holder	J-008
Specail holders	J-009
Post Holders FAT	J-010
Post Holders FAB	J-011
Modular Holders	J-012
Magnetic Base - Model MB	J-013
High Lock Base - Model MB-MX	J-014
High Lock Mini Base - Model MB-X	J-015
High Lock Base - Model MB-OX	J-015
Borer Base - Model MB-S	J-016
Magnetic Lens Stand Maglens - Model MR	J-016
Magnetic Base Standard Type	J-017
Magnetic Base Fine Adjustment Type	J-017
Magnetic Base Thick Main Post Type	J-017
Magnetic Base Fiexible Post Type	J-018
Magnetic Base Lock Type	J-018
Magnetic Base Mini Type	J-018
Magnetic Base Mini Lock Type	J-018
Mini Magnetic Base	J-019
Mini Magnetic Base Fine Adjustment Type	J-019
Mini Magnetic Base Fine Adjustment Wuth Long Post	J-019
Mini Magnetic Base	J-020
Mini Magnetic Base Fine Adjustment Type	J-020
Vacuum Clamping Base	J-020
Magnetic Base	J-021
Upright Stand	J-021
Holder Stand for Thickness Gauge	J-021
Dial Gage Stands	J-022-023
Granite Comparator Stands	J-024
Comparator Stands	J-025
Transfer Stand	J-026

Accessories

Bases	J-027-028
Attachment For Dial & Test Indicators	J-029
Clamps for top attachment	J-030
Adaptors	J-031
3 point clamp	J-032
Knobs	J-032
Screws	J-032
Main Post	J-033
Arm	J-033
Gauge Clamp Knob	J-033, 034
Post Clamp Knob	J-033
Frexible Post	J-033
Lock Arm	J-033, 034
Collet	J-034

SMALL TOOLS

เครื่องมือวัดละเอียด

Mitutoyo

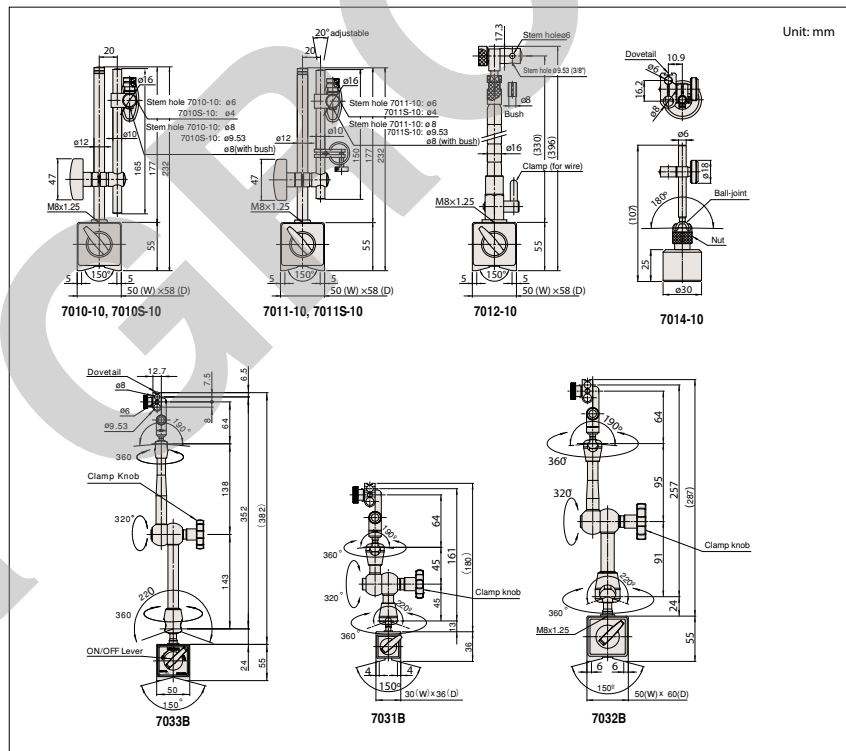
ขาตั้งแม่เหล็ก สำหรับจับยึดเครื่องมือวัด SERIES 7 — Magnetic Stands

FEATURE

- Mitutoyo's Magnetic Stands clamp to iron or steel surfaces with a strong magnetic force that is switchable ON or OFF to allow easy mounting and dismounting.
- The swivel holder supplied with each stand accepts two or three of the standard stem sizes (see specifications on next page for details).
- In addition, models **7014-10**, **7014E-10**, **7031B**, **7032B** and **7033B** have a dovetail groove in the swivel holder for attaching dial test indicators that are equipped with a dovetail.



DIMENSIONS



Metric

Order No.	Description	Applicable holding stem dia	Measuring force	Remarks
7010-10	Magnetic stand	ø6mm, ø8mm	Approx. 600N	-
7010S-10	Magnetic stand	ø4mm, ø8mm, ø9.53mm (3/8")	Approx. 600N	-
7011-10	Magnetic stand	ø6mm, ø8mm	Approx. 600N	With fine adjustment
7011S-10	Magnetic stand	ø4mm, ø8mm, ø9.53mm (3/8")	Approx. 600N	With fine adjustment
7012-10	Magnetic stand	ø6mm, ø8mm, ø9.53mm (3/8")	Approx. 600N	-
7014-10	Mini magnetic stand	ø6mm, ø8mm	Approx. 150N	Without magnet ON/OFF
7014E-10	Mini magnetic stand	ø4mm, ø9.53mm (3/8")	Approx. 150N	Without magnet ON/OFF
7033B	Universal magnetic stand	ø6, ø8mm, ø9.53mm (3/8")	Approx. 600N	With mechanical locking system
7031B	Universal magnetic stand	ø6, ø8mm, ø9.53mm (3/8")	Approx. 300N	With mechanical locking system
7032B	Universal magnetic stand	ø6, ø8mm, ø9.53mm (3/8")	Approx. 600N	With mechanical locking system

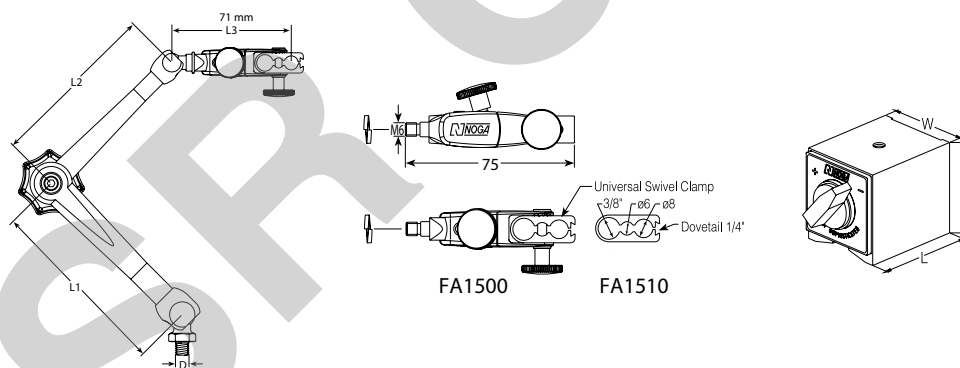
ขาแม่เหล็กจับไดอัล แบบล็อกจุดเดียว

Articulated holders FAT (with Fine Adjustment on Top)



NOGA articulated holders with fine adjustment on top
Due to its stability and ease of use, NOGA articulated holder has become the industry most wanted.

- Fine adjustment on top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8" and dovetail.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Powerful on/off magnetic base.
- Instant fixation in any position.
- Fast and easy to set up gauges into required position.
- Black finished arms.



Order No.	Bottom thread (D)	Weight (kg)	Bottom Arm L1	Top Thread L2	Total Length L1+ L2 + L3	Magnet Force (N)	Magnet Width L	Magnet Length W	Magnet Height H
NF61003	Ext. M5	0.52	56	51	178	320	40	30	35
NF60103	Ext. M5	0.32	56	51	178	-	-	-	-
DG61003	Ext. M8	1.35	110	101	282	800	60	50	55
DG60103	Ext. M8	0.34	110	101	282	-	-	-	-
MG61003	Ext. M8	1.9	133	113	317	800	60	50	55
MG60103	Ext. M8	0.9	133	113	317	-	-	-	-
MG71003	Ext. M8	1.95	163.5	113	347.5	800	60	50	55
MG70103	Ext. M8	0.95	163.5	113	347.5	-	-	-	-
MA61003	Ext. M10 x 1.25	5.1	286.5	222.5	580	1300	120	50	55
MA60103	Ext. M10 x 1.25	5.1	286.5	222.5	580	-	-	-	-

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ไดอัลเกจวัดความละเอียด

Dial Indicators

ไดอัลเกจ

Dial Test Indicators

ไดอัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด



ขาแม่เหล็กจับไดอัล แบบล้อยึดเดี่ยว

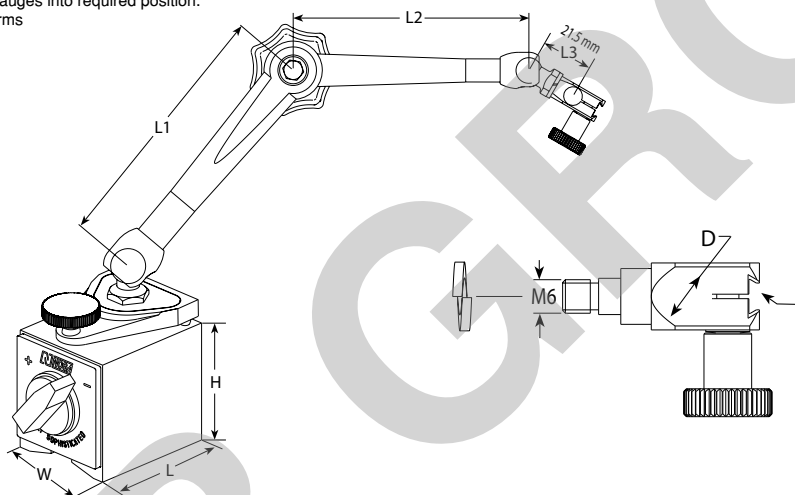
Articulated holders FAB (with Fine Adjustment at Base)



NOGA articulated holders with fine adjustment at base

NOGA has unique fine adjustment mechanism which is placed on the magnetic base. This mechanism allows the hand to rest on the base rather than on the clamp of the indicator. Zero-setting becomes faster than with any other mechanism.

- Unique single direction fine adjustment at base.
- Powerful on/off magnetic base.
- Holds 8mm or 3/8" and dovetail.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Five axis holder.
- Instant fixation in any position.
- Easy to set up gauges into required position.
- Black finished arms



Standard Clamp
FA 1100 dia. 8 mm and FA 1120 dia. 3/8"

Order No.	Weight (kg)	Standard Clamp D	Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Force N	Magnet Width L	Magnet Length W	Magnet Height H
NF10403	0.52	8	56	51	128.5	320	40	30	35
NF10433	0.52	3/8"	56	51	128.5	320	40	30	35
DG10503	1.4	8	110	101	232.5	800	60	50	55
DG10533	1.4	3/8"	110	101	232.5	800	60	50	55
MG10503	1.9	8	133	113	267.5	800	60	50	55
MG10533	1.9	3/8"	133	113	267.5	800	60	50	55

ฐานแม่เหล็กจับไดอัล

Articulated holders FAT & FAB (with Double Fine Adjustment)



NF6160



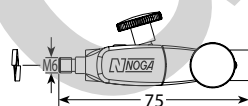
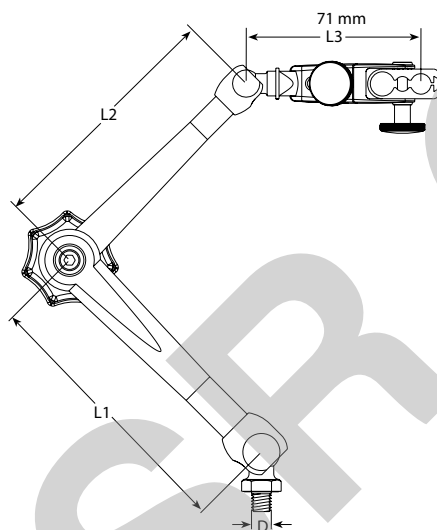
DG6160



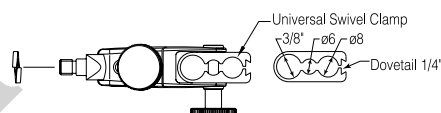
MG6161

NOGA articulated holders with double fine adjustment

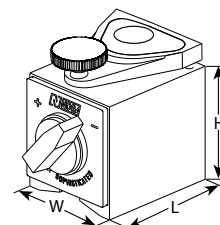
- New double fine adjustment:
BOTTOM: unique single direction
TOP: universal swivel clamp
- Holds 6 mm, 8 mm, 3/8" and dovetail.
- Unique central locking mechanism with Noga designed spring loaded bearing.
- Five axis holder.
- Powerful ON/OFF magnetic base.
- Instantly fastens in any position.
- Fast and easy to set up gauges into required position.
- Black finished arms.



FA1500



FA1510



Order No.	Bottom Thread (D)	Weight (kg)	Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Force N	Magnet Width L	Magnet Length W	Magnet Height H
NF6160	Ext. M5	0.55	56	51	178	320	40	30	35
DG6160	Ext. M8	1.43	110	101	282	800	60	50	55
MG6161	Ext. M8	1.97	133	113	317	800	60	50	55

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ไดอัลเกจวัดความเรียบ

Dial Indicators

ไดอัลเกจ

Dial Test Indicators

ไดอัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด



ชุดขาตั้งแม่เหล็ก พร้อมอินดิเคเตอร์ Sets & indicators

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระบับ

Digimatic Indicators

ได้อัลเกจวัดความเรียบ

Dial Indicators

ได้อัลเกจ

Dial Test Indicators

ได้อัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม



NF6150



DG6150



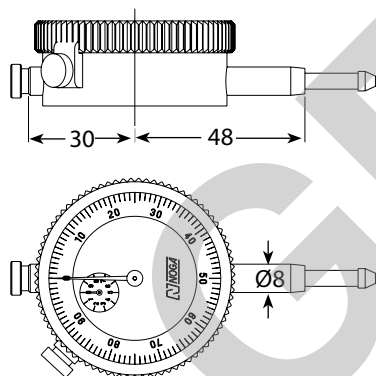
MG6150

NOGA offers three sets combining the most popular holders with the best made indicators.

NOGA offers three sets combining the most popular holders with the best made indicators.

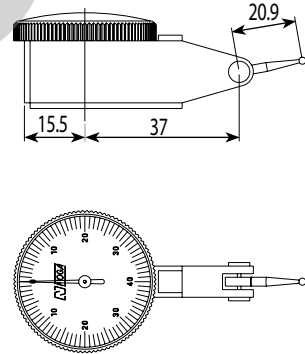
DG1000

- Dial diameter 58 mm.
- Stem diameter 8 mm.
- Measuring range 10 mm.
- Graduations 0.01 mm.



NF1000

- Lever-type test indicator, dial diameter 39 mm.
- Measuring range 0.8 mm.
- Graduations 0.01 mm.
- Contact point 2 mm dia., 20.9 mm length.
- Three dovetails for clamping.



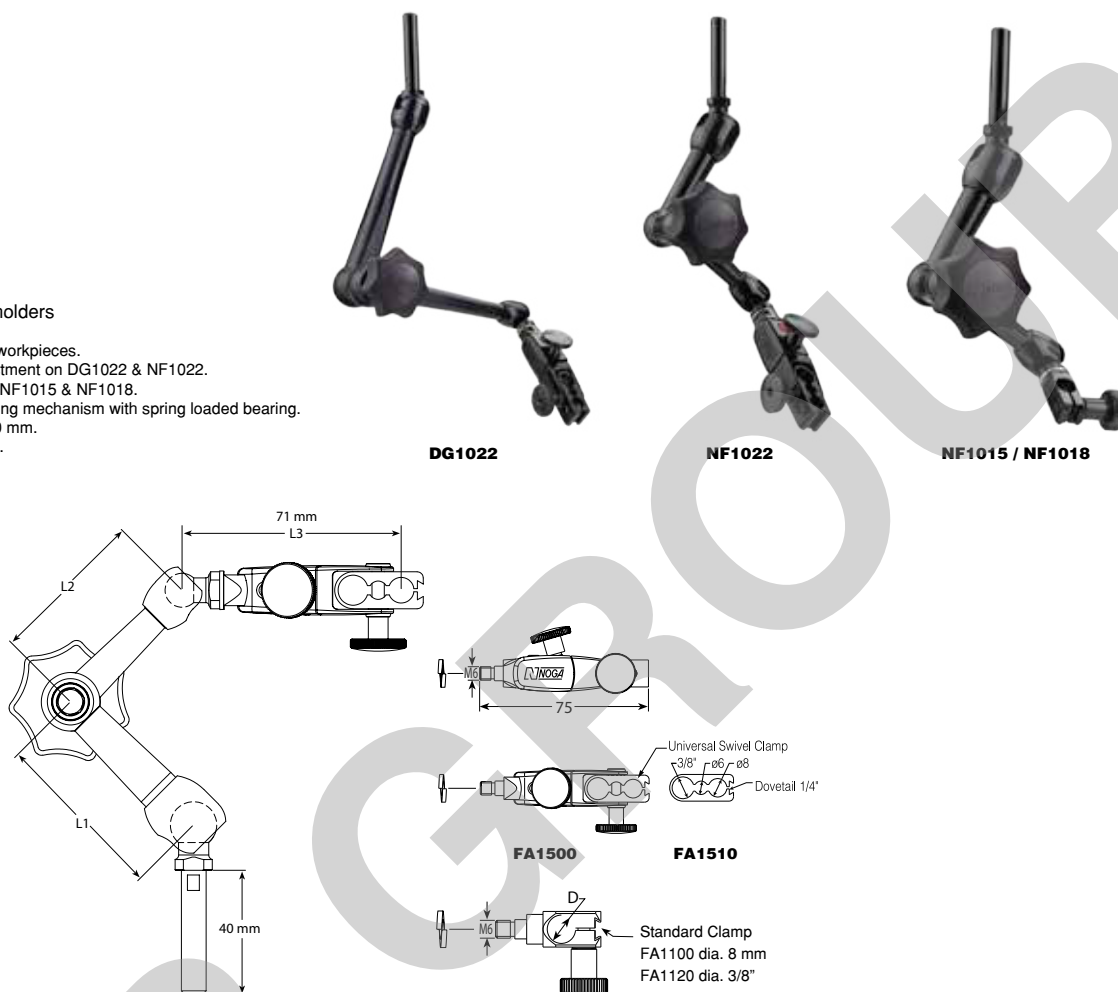
Order No.	Bottom Thread (D)	Weight (kg)	Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Indicators Order No.	Magnet Width L	Magnet Length W	Magnet Height H
NF6150	Ext. M5	0.6	56	51	178	NF1000	40	30	35
DG6150	Ext. M8	1.6	110	101	282	DG1000	60	50	55
MG6150	Ext. M8	2.1	133	113	317	DG1000	60	50	55

แกนเซ็นเตอร์

Centering Universal Holders

NOGA centering holders

- Used for centering workpieces.
- Universal fine adjustment on DG1022 & NF1022.
- Standard clamp on NF1015 & NF1018.
- Unique central locking mechanism with spring loaded bearing.
- Central rod: $\varnothing 8 \times 40$ mm.
- Black finished arms.



Order No.	Bottom Thread	Weight (kg)	Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Standard clamp Order No.	Standard clamp Dia. (D)
NF1015	$\varnothing 8 \times 40$	0.271	56	51	128.5	FA1100	8
NF1018	$\varnothing 8 \times 40$	0.271	56	51	128.5	FA1120	3/8"
NF1022	$\varnothing 8 \times 40$	0.314	56	51	178	FA1500	6, 8, 3/8"
DG1022	$\varnothing 8 \times 40$	0.350	110	101	282	FA1500	6, 8, 3/8"

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อินเกจวัดความละเอียด

Dial Indicators

ได้อินเกจ

Dial Test Indicators

ได้อินเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

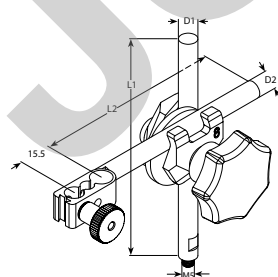
Accessories

อุปกรณ์เสริม

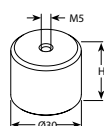
ชุดจากแม่เหล็กขนาดเล็ก

Mini Holders - PH mini Holder

NOGA PH mini holder with small round magnet PH5000



- 200 N round permanent magnetic base.
- Holds 6 mm, 8 mm, 3/8" and dovetail.
- Unique swivel clamp for all dial and test indicators.
- Strong arm lock by using the unique 3-point system.
- Easy set up of gauges into required position.
- Black finished arms.



PH5000

Order No.	Weight (kg)	Arm length and diameter		Force (N)	Magnet		3 points clamp Order No.
		Post Dia. (D1) x length (L1)	Arm Dia. (D2) x length (L2)		Dimension		
					ø	H	
PH5000	0.360	ø8 x 110	ø8 x 110	200	30	25	PH1307

SMALL TOOLS

เครื่องมือวัดละเอียด



ชุดจําแม่เหล็กขนาดเล็ก

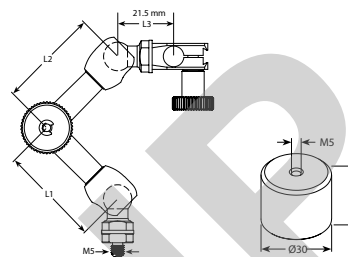
Mini Holders - LC mini Holder



LC6200 8mm
LC6210 3/8"

NOGA LC mini holder with small round magnet - LC6200 / LC6210

- 200 N round permanent magnetic base.
- Holds 8 mm or 3/8" and dovetail.
- Unique central locking mechanism with Noga designed spring loaded bearing.
- Five axis holder.
- Instantly and easily fastens in any position.
- Black finished arms.



Order No.	Weight (kg)	Arm length			Standard clamp		Magnet		
		Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Order No.	Dia (D)	Force (N)	Dimension Ø	H
LC6200	0.280	38	38	87.5	FA1100	8	200	30	25
LC6210	0.280	38	38	87.5	FA1120	3/8"	200	30	25

ชุดจําแม่เหล็กขนาดเล็ก

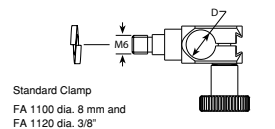
Mini Holders - NogaFlex holder



NF1021 8mm
NF1024 3/8"

NogaFlex holder with on / off magnet - NF1021 / NF1024

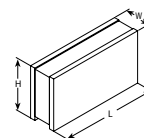
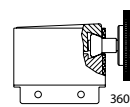
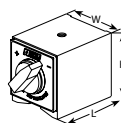
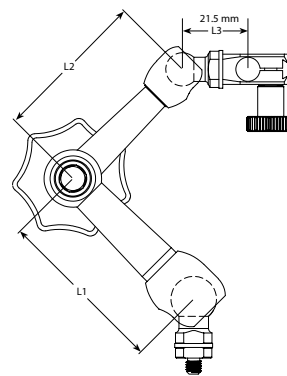
- Powerful on/off magnetic base.
- Five axis holder.
- Holds indicator with stem and dovetail.
- Instant fixation in any position.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Black finished arms.



NF1030 8mm
NF1033 3/8"

NogaFlex holder with permanent magnet - NF1030 / NF1033

- Permanent magnetic base.
- Five axis holder.
- Holds indicator with stem and dovetail.
- Instant fixation in any position.
- Central locking mechanism with NOGA designed spring loaded bearing.
- Black finished arms.



Order No.	Weight (kg)	Arm length			Standard clamp		Magnet			
		Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Order No.	Dia (D)	Force	Dimension		
								W	L	H
NF1021	0.575	56	51	128.5	FA1100	8	320N	30	40	35
NF1024	0.575	56	51	128.5	FA1120	3/8"	320N	30	40	35
NF1030	0.545	56	51	128.5	FA1100	8	280N	16	60	32
NF1033	0.545	56	51	128.5	FA1120	3/8"	280N	16	60	32

ชุดขาแม่เหล็ก แบบพิเศษ Special holders

DG/MG Holders

Unique DG & MG arms with plastic fine adjustment. Ideal for EDM.

DG1044

Special DG arm with vacuum base.
Ideal for granite table.



DG1044



DG1030 / DG1033



MG1030 / MG1033



DG1010



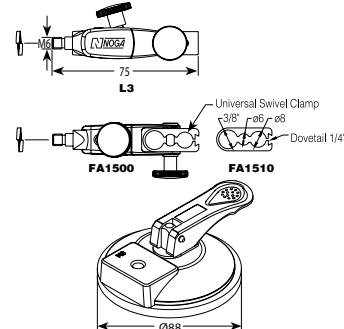
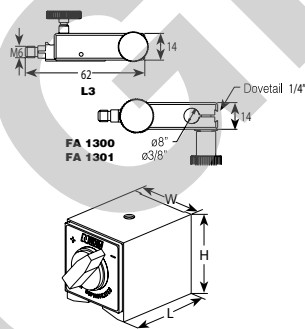
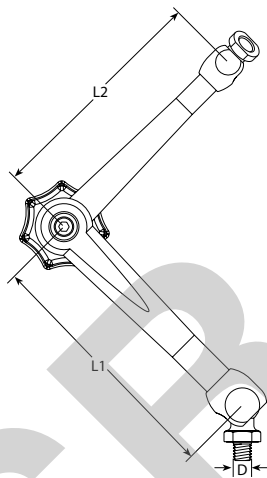
DG1013



MG1010



MG1013



Order No.	Bottom thread D	Weight (kg)	Arm length			Magnet				Standard Clamp	
			Bottom Arm L1	Top Thread L2	Total L1 + L2 + L3	Force (N)	W	L	H	Order no.	D
DG1030	Ext. M8	1.350	110	101	261	800	50	60	55	FA1300	8mm
DG1010	Ext. M8	0.350	110	101	261	-	-	-	-	FA1300	8mm
DG1033	Ext. M8	1.350	110	101	261	800	50	60	55	FA1301	3/8"
DG1013	Ext. M8	0.350	110	101	261	-	-	-	-	FA1301	3/8"
DG1044	Ext. M8	0.740	110	101	282	350	-	ø88	-	FA1500	6mm, 8mm, 3/8"
MG1030	Ext. M8	1.850	133	113	317	800	50	60	55	FA1300	8mm
MG1010	Ext. M8	0.850	133	113	317	-	-	-	-	FA1300	8mm
MG1033	Ext. M8	1.850	133	113	317	800	50	60	55	FA1301	3/8"
MG1013	Ext. M8	0.850	133	113	317	-	-	-	-	FA1301	3/8"

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อัลเกจวัดความเรียบ

Dial Indicators

ได้อัลเกจ

Dial Test Indicators

ได้อัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

ขาตั้งแม่เหล็ก Post Holders FAB



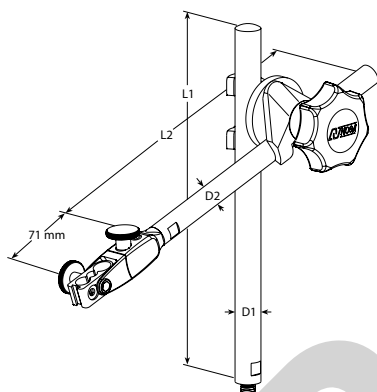
PH4016



PH2040



PH3100



Universal swivel clamp



NOGA economical holders with fine adjustment at base
PH holders with NOGA unique fine adjustment at base.

- Single direction fine adjustment at base.
- Powerful on/off magnetic base.
- Universal swivel clamp for all dial and test indicators.
- Holds 6mm, 8mm, 3/8" and dovetail.
- Strong arm lock by using 3 points clamp.
- Easy to set up gauges into required position.
- Black finished arms.

Order No.	Weight (kg)	Arm length and diameter		Force (N)	Magnet Dimension			3 points clamp Order No.	Universal swivel clamp Order No.
		Post Dia. (D1) x length (L1)	Arm Dia. (D2) x length (L2)		W	L	H		
PH3100	0.500	ø10 x 120	ø8 x 110	320	30	40	35	PH0315	FA1210
PH2040	1.700	ø14 x 203	ø12 x 185	800	50	60	55	PH0310	FA1410
PH4016	2.450	ø16 x 260	ø16 x 225	1000	50	75	55	PH0312	FA1410

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อัลเกจวัดความเรียบ

Dial Indicators

ได้อัลเกจ

Dial Test Indicators

ได้อัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด

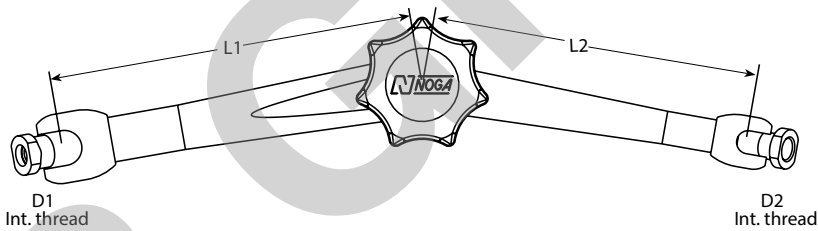


แขนจับอเนกประสงค์ Modular holders



6 NOGA Modular holders

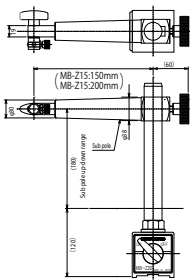
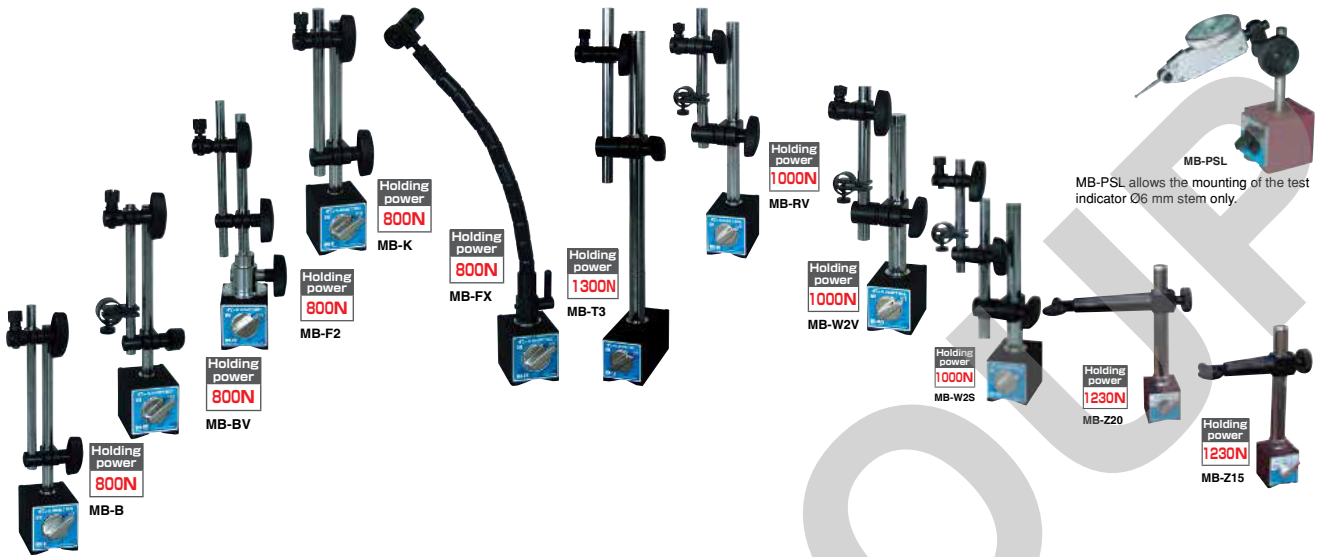
- Six different sizes of articulated arms are offered for a wide range of applications.
- Choose the arms that fit your needs.
- Custom-made arms and accessories are available upon request.
- Minimum quantity 500 pcs.



Order No.	Weight (kg)	Int. thread		Arms length		
		D1	D2	L1	L2	Total L1 + L2
LC6100	0.121	M6	M6	38	38	76
NF60003	0.210	M6	M6	56	51	107
DG60003	0.250	M6	M6	110	101	211
MG60003	0.750	M8	M6	133	113	246
MG70003	0.800	M8	M6	163	113	276
MA60003	3.000	M10 x 1.25	M6	286.5	222.5	509

ขาตั้งแม่เหล็ก รุ่น MB

MAGNETIC BASE - Model MB



[Application]

These magnetic bases are widely used as measuring tool holders when measuring dimensions of machined workpieces (detecting errors and deviation) using a dial indicator on machine tools or iron surface plate for measurement by comparison.

[Features]

- A wide variety of models, small to large, and with diversified additional functions, are available to suit conditions of measuring places.
- A powerful magnet and strong clamping force ensure consistent, highly accurate measurement.
- Drip-proof and oil-resistant construction.
- Two blocks make one set.

- Model MB-Z magnetic bases are equipped with upper components having the highest rigidity in our Magnetic Base Series, which minimizes errors in repeated measurement and precision measurement.

Displacement at a force of 0.5 kg ... MB-Z15: 3 μ m or less (1/8 or less of conventional base)

MB-Z20: 8 μ m or less (1/3 or less of conventional base)



The dial gage is not included.

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อัลเกจวัดความเรียบ

Dial Indicators

ได้อัลเกจ

Dial Test Indicators

ได้อัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

[mm (in)]

Order No.	Holding Power	Magnetic Holder Base			Main Pole		Sub Pole		Main Pole Mounting Thread			Clamp Hole Dia.	Mountable Stem Dia.	Indicator Clamp Screw	Mass	Features
		Width	Length	Height	Dia ϕ	Length	Dia ϕ	Length	Mag. Base	Step	Main Pole					
MB-B						176 (6.92)		165 (6.49)	M8(0.31) x		M8(0.31) x				1.5kg/ 3.3 lb	General, standard type.
MB-BV	800N (80kgf)		58.5 (2.30)		12 (0.47)	10 (0.39)		150 (5.90)	1.25(0.04)		1.25(0.04)					General type with fine move adjustment.
MB-F2						194 (7.63)			3-M4 (0.15)		-				1.8kg/ 3.9 lb	Main pole 360° turning, can be locked at 75° max.
MB-K					14 (0.55)	178 (7.00)	12 (0.47)	165				6.6(0.26)/ 8.1(0.31)		M6 (0.23)	1.5kg/ 3.3 lb	Main pole large diameter, suitable for precision measurement.
MB-RV	1000N (100kgf)	50 (1.96)	73 (2.87)	55 (2.16)	16 (0.62)	225 (8.85)		178 (7.00)	M8(0.31) x 1.25(0.04)		M8(0.31) x 1.25(0.04)		ϕ 6		2.4kg/ 5.2 lb	Larger size with fine move adjustment.
MB-W2V					20 (0.78)	14 (0.55)		200 (7.87)	M20(0.78) x 1.5(0.05)	M20(0.78)/ M10(0.39)	M10(0.39) x 1.25(0.04)		(0.23) ϕ 8		2.5kg/ 5.5 lb	High precision type with fine move adjustment.
MB-T3	1300N (130kgf)		117 (4.60)		16 (0.62)	315 (12.4)			M8(0.31) x		M8(0.31) x		(0.31) (MB-PSL:)		3.6kg/ 7.9 lb	Main pole longest, base largest and holding power greatest.
MB-FX	800N (80kgf)		58.5 (2.30)		16 (0.62)	178 (7.00)			M8(0.31) x		M8(0.31) x	6.0(0.23)/ 8.1(0.31)	ϕ 6 only		1.8kg/ 3.9 lb	Flexible type, settable freely.
MB-W2S	1000N (100kgf)		73 (2.87)		20 (0.78)	178 (7.00)	14(0.55) 12(0.47)	165(6.49) 130(5.11)	1.25(0.04)		1.25(0.04)	6.6(0.26)/ 8.1(0.31)		M6 (0.23)	2.7kg/ 5.9 lb	Two-step sub pole with fine move adjustment.
MB-PSL	3000N (30kgf)	30 (1.18)	34 (1.33)	35 (1.37)	7 (0.27)	54 (2.12)			M5(0.19) x 0.8(0.03)		M5(0.19) x 0.8(0.03)	6.0(0.23)			0.25kg/ 0.5 lb	Compact and simple, suitable for limited space.
MB-Z15	1230N (125kgf)	70 (2.76)	70 (2.76)	76 (2.99)	30 (1.18)	250 (9.84)			M20(0.78) x 1.5(0.05)	M20(0.78)/ M12(0.47)	M12(0.47) x 1.75(0.06)	6.6(0.26)/ 8.1(0.31)		M6 (0.23)	5.2kg/ 11.5 lb	Strongest upper components in Series.
MB-Z20															5.5kg/ 12.12 lb	Suitable for repeated measurement and precision measurement.

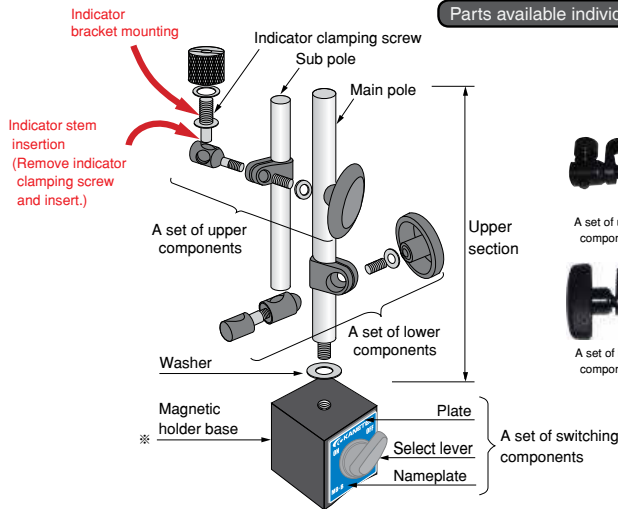
※ The upper fixture, Model DG-6 (mounting hole of 4.5/6.6 mm), for mounting a dial gage is optionally available. ※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface.
※ The magnet part of MB-Z is designed for mounting on a fl at surface such as a surface plate, but not on a curved surface.

SMALL TOOLS

เครื่องมือวัดละเอียด

KANETEC
MAGNETIC TOOLS & EQUIPMENT

(Names of major components of MB-B)



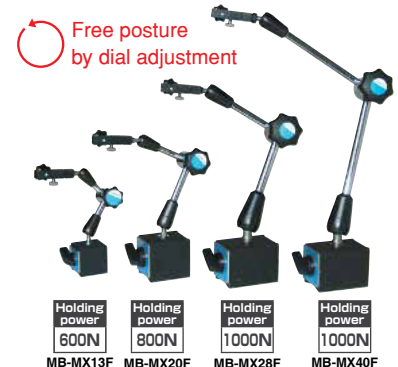
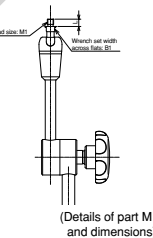
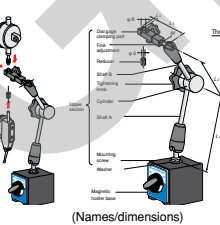
※ Refer to P69 and P72 for the common models.
Note, however, that there may be difference in the main pole mounting thread hole and so on.

ขาตั้งแม่เหล็กฐาน MB-MX

HIGH LOCK BASE - Model MB-MX

Mechanical lock & fine movement adjuster

Tightening torque + clamp force + fine adjustment function all improved!



[Application]

While these bases are used as measuring tool holders like magnetic bases, they can also be used to hold sensors in place.

[Features]

- Any posture can be set by tightening a knob to lock every part.
- The clamp system is adjustable steplessly. Turning lightly achieves it.
- Quick lock mechanism**
- A wide variety of models, small to large, are available to suit your applications.
- The dial gage mounting part can be adjusted finely.
- The arm can be adjusted freely in angle and direction and provides stable, shake-free positioning.

Order No.	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm					Arm Mounting Tapped Hole	Indicator Clamp		Mass	Feature
			Width	Length	Height	L1	L2	L3	L4	M		Stem Hole	Dovetail		
MB-MX13F	Mechanical lock	600N (60kgf)	40 (1.57)	40 (1.57)	40 (1.57)	75 (2.95)	50 (1.96)	64 (2.51)			M6(0.23) x 1(0.03)			0.7kg/1.7 lb	Smallest
MB-MX20F		800N (80kgf)		58.5 (2.30)		116 (4.56)	75 (2.95)	65 (2.55)	6.5	M6(0.23) x 7(0.28)		Ø8 (0.31) Ø6 (0.23)	6.5	1.4kg/3.1 lb	Small
MB-MX28F		1000N (100kgf)	20 (0.78)	73 (2.87)	55 (2.16)	160 (6.29)	115 (4.521)	64 (2.51)	(0.25)		M8(0.31) x 1.25(0.04)	(When reducer is used)	(0.25)	2.0kg/4.4 lb	Standard
MB-MX40F						220 (8.66)	175 (6.88)	66 (2.59)		M8(0.31) x 8(0.31)				2.1kg/4.8 lb	Long arm

※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

ขาตั้งแม่เหล็กขนาดเล็ก รุ่น MB-X

HIGH LOCK MINI BASE - Model MB-X



Mechanical lock & fine movement adjuster

Small and simple, suitable for use in limited space.

[Application]

While these bases are used as measuring tool holders like magnetic bases, they can also be used to hold sensors in place.

[Features]

- A mechanical lock system that tightens joints in three places by one-step operation.
- The arm can be adjusted freely, which facilitates locating the mounted measuring instrument.
- Models MB-CX-V/PSX-V are equipped with a fine movement adjuster.

[mm (in)]

Order No.	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm				Arm Mounting Tapped Hole	Indicator Clamp		Mass	Feature
			Width	Length	Height	L0	L1	L2	L3		Stem Hole	Dovetail		
MB-CX		160N	28	28	28	12			39(1.53)				0.38kg/0.83 lb	Small, V attractive face
MB-CX-V	Mechanical lock	(16kgf)	(1.10)	(1.10)	(1.10)	(0.47)	46	46	57(2.24)	M5(0.19) x	Ø6 (0.23)	6.5	0.5 kg/1.10 lb	Small, V attractive face, fine movement adjuster
MB-PSX		1000N	30	34	35	14	(1.81)	(1.81)	39(1.53)	0.8(0.03)	x 2	(0.25)	0.38kg/0.83 lb	Small, magnet switchover
MB-PSX-V		(100kgf)	(1.18)	(1.33)	(1.37)	(0.55)			57(2.24)				0.5 kg/1.10 lb	Small, magnet switchover, fine movement adjuster

※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

ขาตั้งแม่เหล็ก รุ่น MB-OX

HIGH LOCK BASE - Model MB-OX



Hydraulic & fine movement adjuster

[Application]

While these bases are used as measuring tool holders like magnetic bases, they can also be used to hold sensors in place.

[Features]

- A hydraulic system that tightens joints in three places by onestep operation.
- The arm can be adjusted freely, which facilitates locating the mounted measuring instrument.
- Equipped with a fine movement adjuster.



[mm (in)]

Order No.	Lock Mechanism	Holding Power	Magnetic Holder Base			Arm			Arm Mounting Tapped Hole	Indicator Clamp		Mass	Feature
			Width	Length	Height	L1	L2	L3		Stem Hole	Dovetail		
MB-OX	Hydraulic type	1000N (100kgf)	50 (1.96)	73 (2.87)	55 (2.16)	140 (5.51)	110 (4.33)	81 (3.18)	M8(0.31) x 1.25(0.04)	Ø8 (0.31) Ø6 (0.23)	6.5 (0.25)	2.0 kg/4.4 lb	※ Replenish oil

※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※ Recommended replenish oil: Idemitsu Daphne Super Multi Oil or equivalent

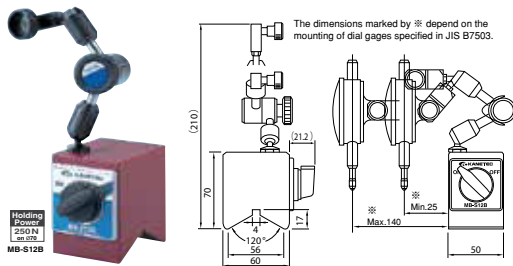
SMALL TOOLS

เครื่องมือวัดละเอียด

KANETEC
MAGNETIC TOOLS & EQUIPMENT

ขาตั้งแม่เหล็ก

BORER BASE - Model MB-S



[Application]

Useful for measuring the projected amount of a cutter mounted on the arbor of a boring machine with a dial gage to locate the cutter precisely.

[Features]

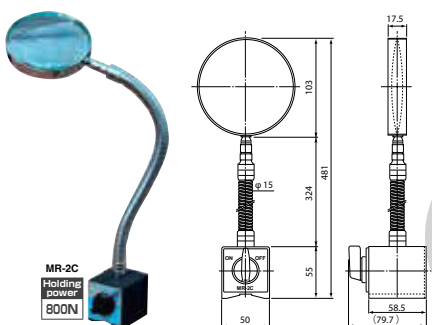
- The measuring tool holding arm can be freely locked by one-step tightening, which makes this base suitable for any length between its mounting position and the tip of the cutter.
- Since a magnetic force is used for holding, the dial gage is held firmly even if it is mounted inclined. Further, the magnetic force can be turned on and off for easy mounting and demounting.
- The dial gage is mounted by tightening the bracket with an M6 bolt.

Order No.	Holding Power	Arbor Diameter	Holding Part Dimensions		Mass
			Width	Angle	
MB-S12B	250N(25kgf) on Ø70 (2.75)	Ø15 (0.59) - 120 (4.72)	56 (2.20)	120°	1.3 kg/2.8 lb

[mm (in)]

ขาตั้งแม่เหล็ก

MAGNETIC LENS STAND MAGLENS - Model MR



[Application]

Very useful for reading a scale of measuring instruments.

[Features]

- The bright and large diameter lens protects your eyes from fatigue and facilitates reading.
- The Maglens is equipped with a flexible tube which enables the Maglens to be set at any angle as desired. The lens is also turnable.

Order No.	Holding Power	Flexible Tube Length	Lens Dia.	Focus Distance	Magnification	Feature
MR-2C	800N (80kgf)	257 (10.1)	Ø 100 (3.93)	250 (9.84)	x 2	0.4kg/0.8 lb

[mm (in)]

※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface.

Stands
ขาตั้ง

Stands
ขาตั้ง

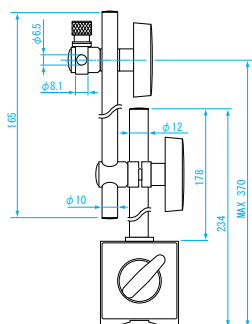
Accessories
อุปกรณ์เสริม

ขาตั้งแม่เหล็กแบบมาตรฐาน

MAGNETIC BASE STANDARD TYPE

DIMENSIONS

Units : mm



USE

- Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

- Body: Rolled steel for general structure
- Magnet: Ferrite

FEATURES

- Standard type
- Removable with ON/OFF lever operation

SPECIFICATIONS

- Magnetic adsorption: approx. 800N
- Stem holder: Ø6mm • Ø8mm
- Lug back holder: Ø6.5mm • Ø8mm
- Main post screw: M8xP1.25

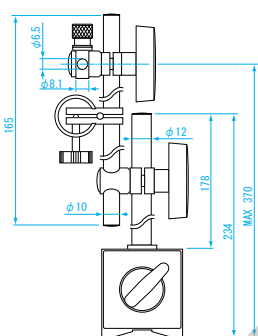
Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
SB-6C	012870	50 x 60 x 55	Max. 100	1.5 kg

ขาตั้งแม่เหล็กแบบปรับได้

MAGNETIC BASE FINE ADJUSTMENT TYPE

DIMENSIONS

Units : mm



USE

- Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

- Body: Rolled steel for general structure
- Magnet: Ferrite

FEATURES

- Fine adjustment type (2mm adj. range)
- Removable with ON/OFF magnet operation

SPECIFICATIONS

- Magnetic adsorption: approx. 800N
- Stem holder: Ø6mm • Ø8mm
- Lug back holder: Ø6.5mm • Ø8mm
- Main post screw: M8xP1.25

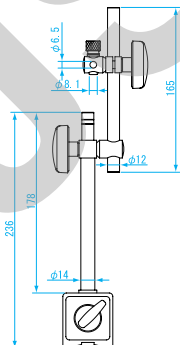
Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
SB-6B	012871	50 x 60 x 55	Max. 100	1.5 kg

ขาตั้งแม่เหล็กแบบเสา

MAGNETIC BASE THICK MAIN POST TYPE

DIMENSIONS

Units : mm



USE

- Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

- Body: Rolled steel for general structure
- Magnet: Ferrite

FEATURES

- Thick main post (Ø14) and arm (Ø12) for stable holding of measuring tools
- Removable with ON/OFF magnet operation

SPECIFICATIONS

- Magnetic adsorption: approx. 800N
- Stem holder: Ø6mm • Ø8mm
- Lug back holder: Ø6.5mm • Ø8mm
- Main post screw: M8xP1.25

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
SB-80P	012873	50 x 60 x 55	Max. 100	1.5 kg



Can be used with a lug back dial gauge



Fine adjust knob

Can be used with a lug back dial gauge



Thick main post

Can be used with a lug back dial gauge

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ติเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อินเกจวัดความเรียบ

Dial Indicators

ได้อินเกจ

Dial Test Indicators

ได้อินเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด

Shimadzu Seiki

ขาตั้งแม่เหล็ก

MAGNETIC BASE FLEXIBLE POST TYPE



USE

• Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

• Body: Rolled steel for general structure

• Magnet: Ferrite

FEATURES

• Flexible post for quick and easy positioning.

• One touch lever to fix position securely.

• Removable with ON/OFF magnet operation

SPECIFICATIONS

• Magnetic adsorption: approx. 800N

• Stem holder: Ø6mm • Ø8mm

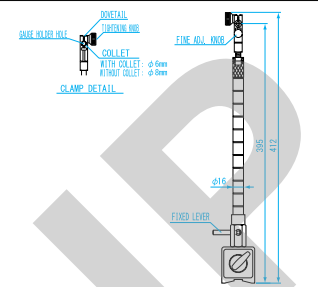
• With dovetail mount

• Main post screw: M8xP1.25

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
SB-80F	012874	50 x 60 x 55	Max. 100	1.3 kg

DIMENSIONS

Units : mm



ขาตั้งแม่เหล็ก

MAGNETIC BASE LOCK TYPE



USE

• Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

• Body: Rolled steel for general structure

• Magnet: Ferrite

FEATURES

• Mechanical lock knob tightens all joints with a single operation

• Removable with ON/OFF magnet operation

SPECIFICATIONS

• Magnetic adsorption: approx. 1000N

• Stem holder: Ø6mm • Ø8mm

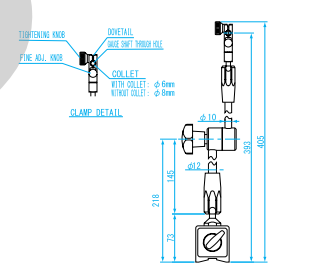
• With dovetail mount

• Main post screw: M8xP1.255

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
SB-100G	012875	50 x 75 x 55	Max. 100	1.7 kg

DIMENSIONS

Units : mm



ขาตั้งแม่เหล็กขนาดเล็ก

MAGNETIC BASE MINI TYPE



USE

• Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

• Body: Rolled steel for general structure

• Magnet: Ferrite

FEATURES

• Compact size

• Removable with ON/OFF magnet operation

SPECIFICATIONS

• Magnetic adsorption: approx. 250N

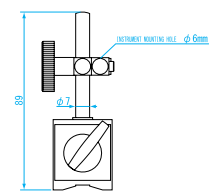
• Stem holder: Ø6mm

• Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
SB-25M	012872	30 x 35 x 35	Max. 100	270g

DIMENSIONS

Units : mm



ขาตั้งแม่เหล็ก

MAGNETIC BASE MINI LOCK TYPE



USE

• Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

• Magnet: Ferrite

FEATURES

• Mechanical lock knob tightens all three joints with a single operation

• Removable with ON/OFF magnet operation

SPECIFICATIONS

• Magnetic adsorption: approx. 250N

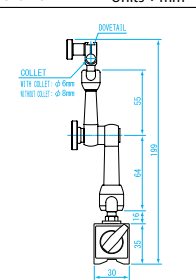
• Stem holder: Ø6mm • Ø8mm

• Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
MB-7	012705	30 x 35 x 35	Max. 100	550g

DIMENSIONS

Units : mm



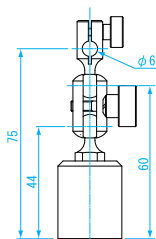
ขาตั้งแม่เหล็กขนาดเล็ก

MINI MAGNETIC BASE

Can be used in narrow space or on machines

DIMENSIONS

Units: mm



USE

- Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

- Alnico magnet

FEATURES

- Excellent holding force using high power alnico magnet
- Fixed type

SPECIFICATIONS

- Magnetic adsorption: approx. 80N
- Stem holder: Ø6mm
- Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
B-2	012700	Ø 25 x 30	Max. 50	160g



Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อินดิเคเตอร์วัดความเรียบ

Dial Indicators

ได้อินเกจ

Dial Test Indicators

ได้อินเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

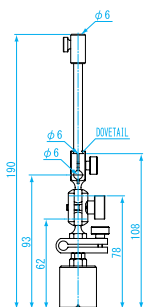
ขาตั้งแม่เหล็กขนาดเล็ก แบบปรับได้

MINI MAGNETIC BASE FINE ADJUSTMENT TYPE

Can be used in narrow space or on machines

DIMENSIONS

Units: mm



USE

- Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

- Alnico magnet

FEATURES

- Excellent holding force using high power alnico magnet
- 89mm long arm
- With fine adjustment (0.5mm adj. range)

SPECIFICATIONS

- Magnetic adsorption: approx. 65N
- Stem holder: Ø6mm
- With dovetail mount
- Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
B-3	012701	25 x 25 x 25	Max. 50	230g



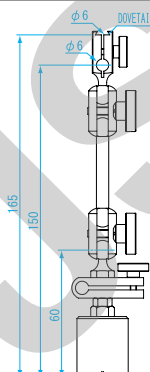
ขาตั้งแม่เหล็กขนาดเล็ก แบบปรับได้ พร้อมเสาขนาดยาว

MINI MAGNETIC BASE FINE ADJUSTMENT WITH LONG POST

Can be used in narrow space or on machines

DIMENSIONS

Units: mm



USE

- Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

- Alnico magnet

FEATURES

- Excellent holding force using high power alnico magnet
- Two joints
- 89mm long arm
- With fine adjustment (0.5mm adj. range)

SPECIFICATIONS

- Magnetic adsorption: approx. 65N
- Stem holder: Ø6mm
- With dovetail mount
- Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
B-4	012702	25 x 25 x 30	Max. 50	280g



SMALL TOOLS

เครื่องมือวัดละเอียด

JSR Seiki

ขาตั้งแม่เหล็ก

MINI MAGNETIC BASE

Can be used in narrow space or on machines



USE

• Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

• Alnico magnet

FEATURES

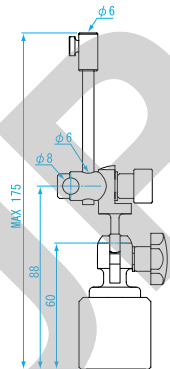
- Strong holding force using alnico magnet
- Universal joint can be set to any angle
- Locking knob for easy tightening

SPECIFICATIONS

- Magnetice adsorption: approx. 200N
- Stem holder: Ø6mm • Ø8mm
- With clamp for mounting dial gauge
- Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
B-5	012703	Ø35 x 32	Max. 90	270g

DIMENSIONS Units: mm



ขาตั้งแม่เหล็ก

MINI MAGNETIC BASE FINE ADJUSTMENT TYPE

Can be used in narrow space or on machines



USE

• Measurements that require a dial gauge or dial indicator to be held in fixed position

MATERIAL

• Alnico magnet

FEATURES

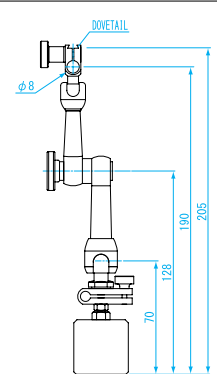
- Strong holding force using alnico magnet
- Universal joint can be set to any angle
- 89 Locking knob for easy tightening
- With fine adjustment (0.5mm adj. range)

SPECIFICATIONS

- Magnetice adsorption: approx. 200N
- Stem holder: Ø8mm
- With dovetail mount
- Main post screw: M5xP0.8

Order No.	Model No.	Base Dimension (mm)	Surface magnetic flux density (mT)	Weight
MB-6	012704	Ø35 x 32	Max. 90	510g

DIMENSIONS Units : mm



ขาตั้งแม่เหล็ก

VACUUM CLAMPING BASE

Enables to use dial indicator on non-magnetic surface such as granite surface plate



USE

• For mounting dial gauge and dial indicator

MATERIAL

- Main body: Aluminum
- Suction cup: Rubber

FEATURES

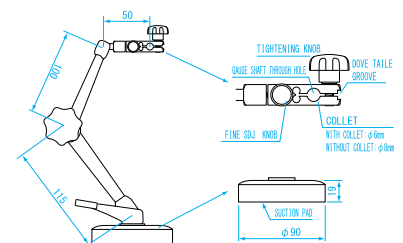
• Suction cup for fixing to non-magnetic surface such as granite surface plate

SPECIFICATIONS

- Holding force: approx. 200N
- Stem holder: Ø6 • Ø8
- With dove tail groove

Order No.	Model No.	Base Dimension (mm)	Weight
VB-200	011756	Ø90 x 19	540g

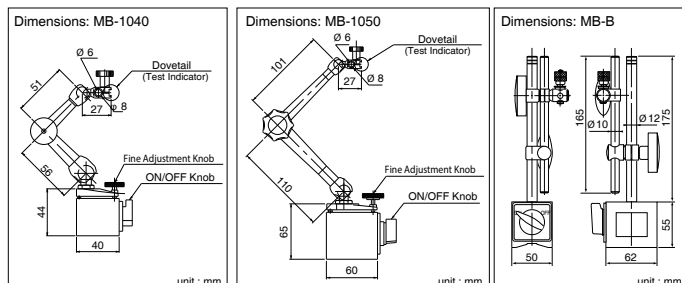
DIMENSIONS Units : mm



๕
ขาตั้ง

Magnetic Base

- Magnetic base can hold a measuring device such as dial indicator.
- Adaptor (Internal diameter Ø6mm) is supplied for holding test indicators on model : MB-1040 and MB-1050
- MB-1040 / 1050 can also be fixed with dovetail of auto-clutch lever test.
- Dial indicator is mounted to MB-B with lug back and test indicator is clamped with stem (It can not be clamped with dovetail).
- MB-1040 / 1050 can not be clamped with dovetail.



Order No.	Type	Holding Power (N)	Mount Hole Diameter(mm)	Weight (kg)
MB-1040	One-touch, fine adjustment, small	320	6.0 / 8.0	0.5
MB-1050	One-touch, fine adjustment	800	6.0 / 8.0	1.4
MB-B	Standard	800	4.5 / 6.5	1.5

๕
ขาตั้ง

Upright Stand

- This can be easily used by only mounting Dial Indicator for comparison measurement.
- This small stand is suitable for measuring small parts etc.

US-16B

Specimen table size 80x80mm
Standard Type

Precision Grinding Cast Iron base

**US-22B**

Specimen table size 80x80mm
With fine adjustment device

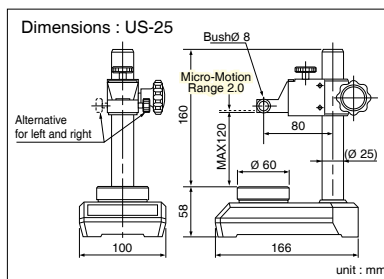
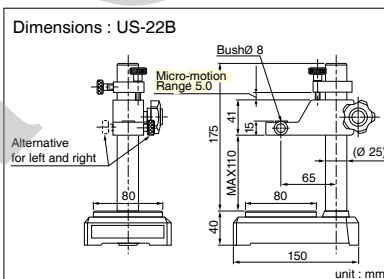
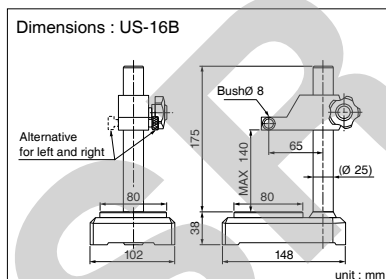
Precision Grinding Cast Iron base



US-25

Specimen table size Ø60mm
With fine adjustment device

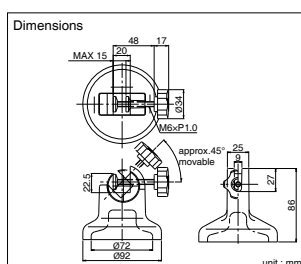
Ø60mm Ceramics base



Order No.	Type	Specimen Table Size (mm)	Movable Range (mm)	Weight (kg)
US-16B	Standard Type	150x200x50	53 ~ 250	7.3
US-22B	With Micro-Motion Device	200x250x50	53 ~ 250	10.5
US-25	Parallel Spring Type Precision Micro-Motion Device	250x250x50	53 ~ 250	12.5

ขาตั้งสำหรับเกจวัดความหนา

Holder Stand for Thickness Gauge



Order No.	Size (mm)	Weight (g)
FM-18	base Ø92 , hight 86	850

SMALL TOOLS

เครื่องมือวัดละเอียด

Mitutoyo

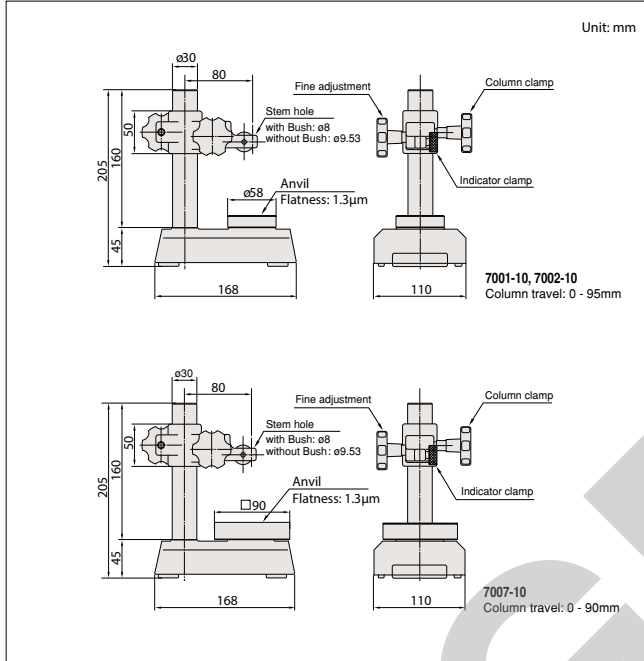
ขาตั้งไดอัลเกจ

Dial Gage Stands SERIES 7

FEATURE

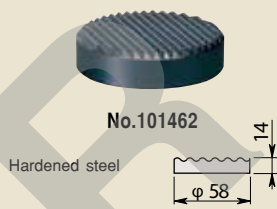
- Dial Gage Stands are designed for comparison measurements of size using a dial indicator or Digimatic Indicator.
- The standard hardened and lapped steel anvil that provides the highly accurate flat reference surface is serrated or non-serrated, according to model.
- Vertical fine adjustment is available with onetouch control thanks to the parallel spring suspension.

DIMENSIONS

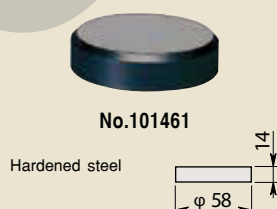


Optional Accessories

101462 : Hardened steel serrated anvil



101461 : Hardened steel flat anvil



101463 : Hardened steel domed anvil*

*Not available for 7007-10



Metric

Order No.	Stem hole	Remarks
7001-10	8mm, 9.53mm	With serrated anvil
7002-10	8mm, 9.53mm	With flat anvil
7007-10	8mm, 9.53mm	With square anvil

* Perpendicularity of the mounting hole to the anvil: less than 0.4mm/100mm

* Take note that when mounting the high-accuracy Linear Gages (with resolution of 0.1μm or less) to these stands, it may affects the indication value depends on the perpendicularity of the mounting hole to the top surface of the anvils.

ขาตั้งฐานแกรนิต

SERIES 215 — Granite Comparator Stands

FEATURE

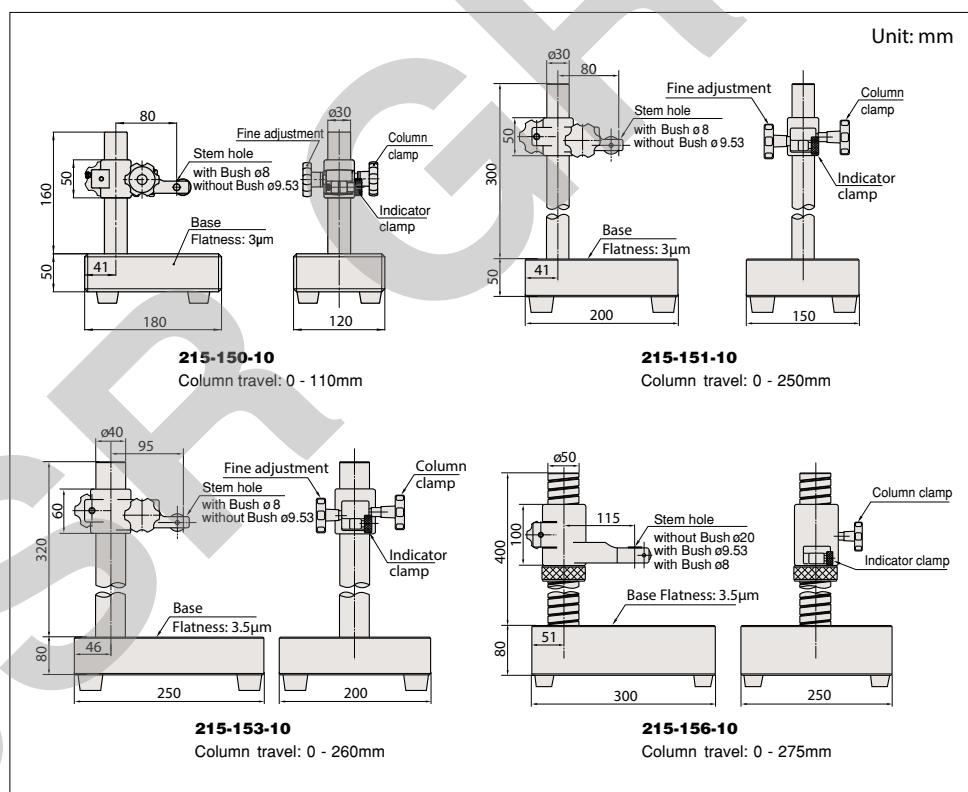
- The base is made of black granite that stays free of burrs and build-ups due to its finegrain composition.
- Easy maintenance due to the non-rusting base.
- Since the fine-grained stone surface plate is less viscid than the cast iron, burrs or warp will not be generated. Therefore, flatness is assured and the workpiece will not be damaged.

Optional Accessories

- 21JAA329**: ø8mm bush
21JAA330: ø9.53mm bush
21JAA331: ø15mm bush
 only available for **215-156-10**



DIMENSIONS



Metric

Order No.	Granite base size (W x D x H)	Column travel	Stem hole	Remarks
215-150-10	120 x 180 x 50mm	110mm	ø8mm, ø9.53mm	With fine adjustment of 1mm range
215-151-10	150 x 200 x 50mm	250mm	ø8mm, ø9.53mm	With fine adjustment of 1mm range
215-153-10	200 x 250 x 80mm	260mm	ø8mm, ø9.53mm	With fine adjustment of 1mm range
215-156-10	300 x 250 x 80mm	275mm	ø8mm, ø9.53mm, ø20mm	With fine adjustment over the entire travel

* Perpendicularity of the mounting hole to the anvil: less than 0.2mm/100mm.

* Take note that when mounting the high-accuracy Linear Gages (with resolution of 0.1μm or less) to these stands, it may affect the indication value depends on the perpendicularity of the mounting hole to the top surface of the anvils.

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อินดิเคเตอร์วัดความเรียบ

Dial Indicators

ได้อินดิเคเตอร์

Dial Test Indicators

ได้อินดิเคเตอร์ทดสอบ

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด

TECLOCK

ขาตั้งฐานแกรนิต

Granite Comparator Stand

- Natural micro-granite is used for all granite comparator stands.
- Flatness accuracy : within 0.001mm / 200mm square.
- Sliding smoothly and objects to be measured are not damaged. It is superior for anti-abrasion.
- The rigid granite base is free from burrs and pileups.
- It is easy for maintenance as base never suffers from rust.

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อัลเกจวัดความเรียบ

Dial Indicators

ได้อัลเกจ

Dial Test Indicators

ได้อัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม



USG-29

Specimen table size
150x200x50mm



USG-30

Specimen table size
150x200x50mm



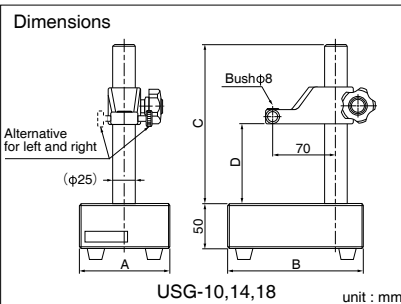
USG-10

Specimen table size
100x150x50mm



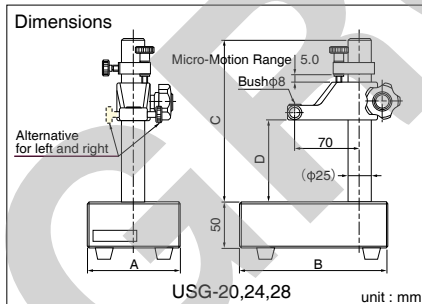
USG-24

Specimen table size
150x150x50mm



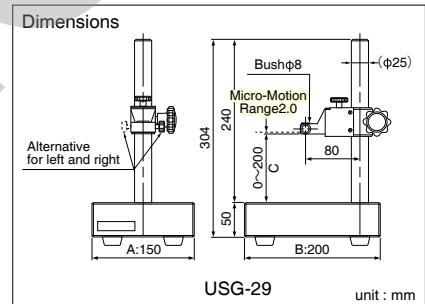
USG-10,14,18

unit : mm



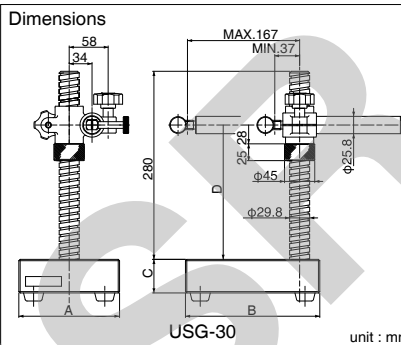
USG-20,24,28

unit : mm



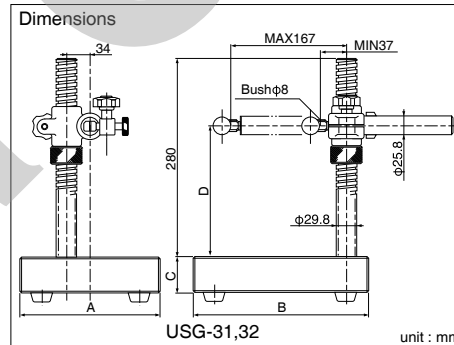
USG-29

unit : mm



USG-30

unit : mm



USG-31,32

unit : mm

Order No.	Type	Specimen Table Size (AxB) (mm)	Height of Pole (C) (mm)	Movable Range (D) (mm)	Weight (kg)
USG-10	Standard	100x150	175	0 ~ 130	3.5
USG-14	Standard	150x150	175	0 ~ 130	4.9
USG-18	Standard	150x200	240	0 ~ 200	5.8
USG-20	Fine Adjustment	100x150	175	0 ~ 115	3.5
USG-24	Fine Adjustment	150x150	175	0 ~ 115	4.9
USG-28	Fine Adjustment	150x200	240	0 ~ 180	5.8
USG-29	Precision Fine Adjustment	150x200	240	0 ~ 200	6.0

Order No.	Type	Specimen Table Size (AxBxC) (mm)	Movable Range (D) (mm)	Bush E (mm)	Weight (kg)
USG-30	Square Screw, Arm Slide	150x200x50	53 ~ 250	Ø8	7.3
USG-31	Square Screw, Arm Slide	200x250x50	53 ~ 250	Ø8	10.5
USG-32	Square Screw, Arm Slide	250x250x50	53 ~ 250	Ø8	12.5

For USG30-32, depending on the measuring device in use, the probe may not contact to the base surface since the effective movable range is 53mm or more. Use an extension rod or the like to extend.
Other combinations of specimen table and pole unit than the above chart are also possible.
The specimen table is possible to be made up to 500x500mm according to the requested size.

แท่นคอมพาราเรเตอร์

SERIES 215 — Comparator Stands

Optional Accessories

21JAA329: ø8mm bush*

21JAA330: ø9.53mm (3/8") bush*

21JAA331: ø15mm bush*

* Only available for 215-505-10.

FEATURE

- These stands have a very stable cast-iron base that enables precise measurement.
- The semi-serrated anvil prevents very flat workpieces from wringing to it and the 2.3 µm flatness (or better) promotes accurate measurement.
- The 215-505-10 model has a threaded column which enables easy and precise coarse adjustment.
- The hardened and lapped steel anvil is 110 mm or 150 mm square, according to model.

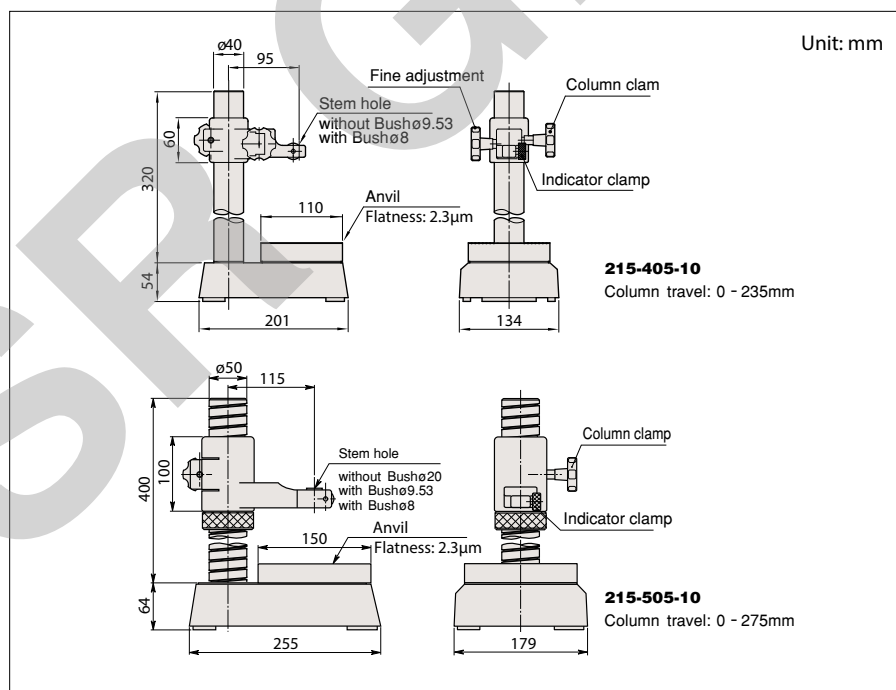


Application example using Digimatic Indicator ID-H.



215-405-10

DIMENSIONS



Metric

Order No.	Square anvil size (W x D)	Column travel	Stem hole	Remarks
215-405-10	110 x 110mm	235mm	ø8mm, ø9.53mm	With fine adjustment of 1mm range
215-505-10	150 x 150mm	275mm	ø8mm, ø9.53mm, ø20mm	With fine adjustment over the entire travel

* Perpendicularity of the mounting hole to the anvil: less than 0.2mm/100mm.

* Take note that when mounting the high-accuracy Linear Gages (with resolution of 0.1µm or less) to these stands, it may affect the indication value depends on the perpendicularity of the mounting hole to the top surface of the anvils.

SMALL TOOLS

เครื่องมือวัดละเอียด

Mitutoyo

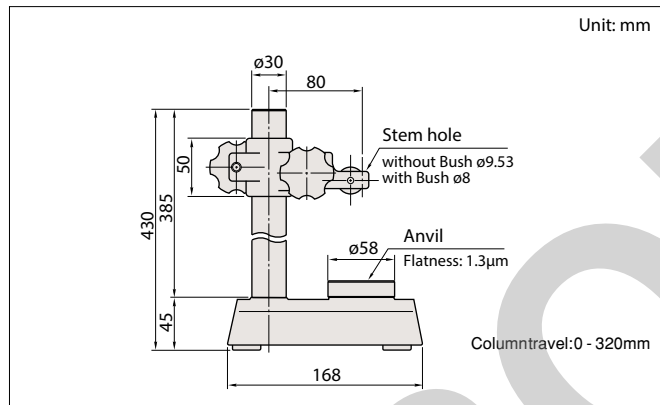
ขาตั้ง

SERIES 519 — Transfer Stand

FEATURE

- Transfer Stands are designed for comparison measurements of size using a dial indicator or Digimatic Indicator.

DIMENSIONS



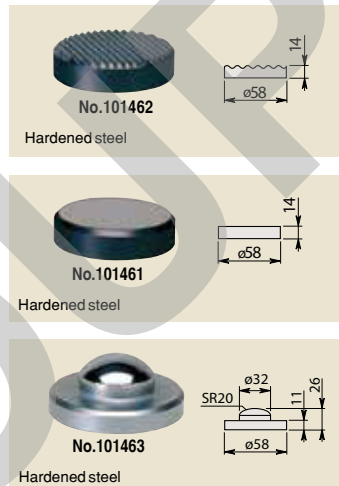
519-109-10
(with a serrated anvil)

Optional Accessories

101462: Hardened steel Serrated anvil

101461: Hardened steel flat anvil

101463: Hardened steel domed anvil



Metric

Order No.	Stem hole	Remarks
519-109-10	$\phi 8\text{mm}$, $\phi 9.53\text{mm}$	With serrated anvil

* Perpendicularity of the mounting hole to the anvil: less than $0.4\text{mm}/100\text{mm}$

* Take note that when mounting the high-accuracy Linear Gages (with resolution of $0.1\mu\text{m}$ or less) to these stands, it may affects the indication value depends on the perpendicularity of the mounting hole to the top surface of the anvils.

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

ฐาน Bases



NOGA bases

Different magnets ranging from the world's smallest switchable on/off (320 N) to a large magnetic base (1300 N). A 350 N vacuum base and 5 clamps are offered for our customers' choice.

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อินเกจวัดความเรียบ

Dial Indicators

ได้อินเกจ

Dial Test Indicators

ได้อินเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

Order No.	Type	Weight [Kg]	Force [N]	Thread	W	L	H
HS1100	Round magnet	0.123	200	M5	-	ø30	25
NF0037	On/off magnet	0.230	320	M5	30	40	35
NF3778	On/off magnet with fine adj.	0.250	320	M5	30	40	35
DG0036	On/off magnet	1.000	800	M8	50	60	55
DG3678	On/off magnet with fine adj.	1.100	800	M8	50	60	55
DG0038	On/off magnet	1.270	1000	M8	50	75	55
DG0118	On/off magnet with fine adj.	1.380	1000	M8	50	75	55
DG0039	On/off magnet	2.000	1300	M1 x 1.25	50	120	55
DG1003	On/off magnet with multi threads	1.350	1000	M6/8/10/12 10x1.25	50	75	55
DG0040	Vacuum base	0.400	350	M8	-	ø88	23
MA0322	4" clamp	1.150	-	Ext. M10 x 1.25	-	100	-
MA0320	4" clamp	1.160	-	Int. M10 x 1.25	-	100	-
MG1006	3" clamp	0.570	-	Ext. M8	-	75	-
MG1003	3" clamp	0.600	-	Int. M8	-	75	-
MG0125	3" clamp with plastic cover	0.600	-	Int. M8	-	75	-

SMALL TOOLS

เครื่องมือวัดละเอียด



ฐานขาตั้งแม่เหล็ก

MAGNETIC HOLDER BASE - Model MB-P



[Application]

Used as magnetic holders of magnetic force ON/OFF type. Available in a wide range of sizes from minimum and medium to large. Useful as a base for temporarily mounted legs of equipment, sensors and lasers by mounting a jig using tapped holes or by some additional machining.

[Features]

- Compact, yet the base generates a strong magnetic force.
- The attractive face is either of V-groove mechanism or [] type for attaching on a curved surface according to applications. The face opposite to the ON/OFF switchface is also attractive. (MB-PH, MB-PM and MB-PS excluded)
- Although tapped holes are provided, some additional working is possible as shown.



	Order No.	Holding Power	Magnetic Holder Base			Tapped Hole	Attractive Face Shape	Rear Face Attraction	Mass
			Width	Length	Height				
	MB-PB	800N (80kgf)		58.5(2.75)		M 8(0.31) x 1.25(0.04), depth 7(0.27)			1.0kg/2.2 lb
	MB-PR	1000N (100kgf)	50(1.96)	73(2.87)	55(2.16)				1.3kg/2.8 lb
	MB-PRW	600N (60kgf)				2-M 8(0.31) x 1.25(0.04), depth 7(0.27)			1.2kg/2.6 lb
	MB-PL	1300N (130kgf)		117(4.60)		M10(0.39) x 1.25(0.04), depth 7(0.27)			2.0kg/4.4 lb
	MB-PH	1250N (125kgf)	70(2.75)	70(2.75)	80(3.15)	M12(0.47) x 1.75(0.06), depth 11(0.43)			3.0kg/6.6 lb
	MB-PM	600N (60kgf)	40(1.57)	40(1.57)	40(1.57)	M6(0.23) x , depth 6(0.23)		×	0.5kg/1.1 lb
	MB-PS	300N (30kgf)	30(1.18)	34(1.33)	35(1.37)	M4(0.19) x , depth 4(0.15)			0.2kg/0.4 lb
	MB-PG	1500N (150kgf)	50(1.96)	120(4.72)	52(2.04)	M 8(0.31) x 1.25(0.04), depth 7(0.27)			1.9kg/4.1 lb

※ The holding power is based on a test piece of SS400, 10 mm thick, ground surface. ※ MB-PRW is of waterproof construction.
 ※ MB-PB, PR and PG may be equipped with a grip (optional) of KM-B. ※ If a magnetic plate is attracted on the top face, the holding power will drop significantly.

ฐานขาตั้งแม่เหล็ก

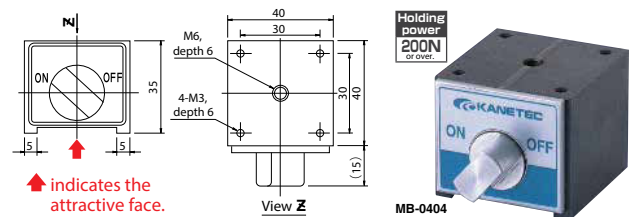
MAGNETIC HOLDER BASE - Model MB

[Application]

This base can be used widely as a magnetic force ON/OFF type magnetic holder base. It is designed small and is useful as a base for temporarily mounted legs of equipment, sensors and lasers by mounting a jig using tapped holes or by some additional machining.

[Features]

- The base can be mounted and demounted easily using the ON/OFF lever.
- Compact but powerful magnetic force.
- Drip-proof and oil-resistant construction.

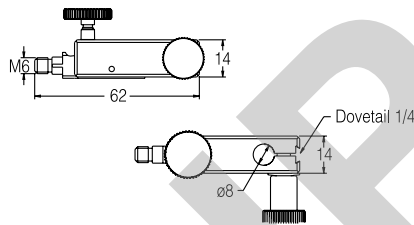
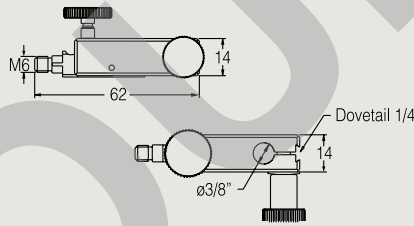
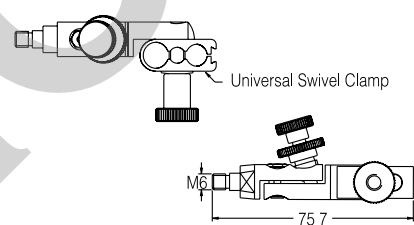
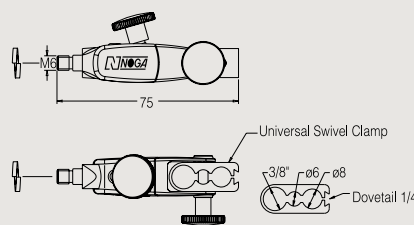


	Order No.	Holding Power	Magnetic Holder Base			Mass	Feature
			Width	Length	Height		
	MB-0404	200N (20kgf) or over	40 (1.57)	35 (1.37)	40 (1.57)	M6(0.23), depth 6(0.23) (center tapped hole) 4-M3(0.11), depth 6(0.23) (pitch 30(1.18)) (Tapped holes on periphery)	0.4kg/0.8 lb

※ The holding power is based on a test piece of SS400, 25 mm thick, ground surface.

อุปกรณ์เสริม

Attachment For Dial & Test Indicators

Order No.	Thread	Type	Clamp Holds		
FA1300	M6	Plastic F.A.	8 mm		
FA1301	M6	Plastic F.A.	3/8"		
FA1400	M6	2SM Metal F.A.	6 mm, 8 mm, 3/8"		
FA1500	M6	Metal F.A.	6 mm, 8 mm, 3/8"		

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อินเกจวัดความเรียบ

Dial Indicators

ได้อินเกจ

Dial Test Indicators

ได้อินเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด



อุปกรณ์เสริม

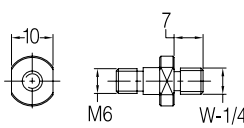
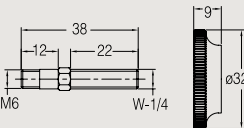
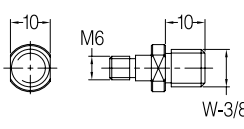
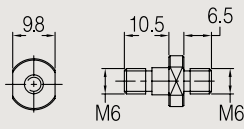
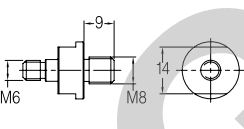
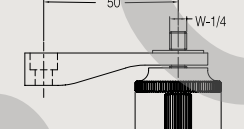
Clamps for top attachment

Order No.	Thread	Type		
NF0125	M6 EXT.	Clamp 1"		
DG0125	M6 EXT.	Clamp 2"		

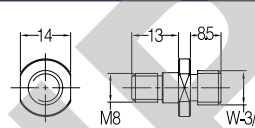
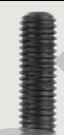
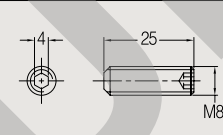
Order No.		
AD4000	Quick Release AD4000 Enables a quick change to the equipment without having to fiddle with screws and threads. Simply pull back the red sleeve and slot in the Noga arm into the Quick Release attachment. Quick Release can be held by a range of Noga arms. Features bottom external thread M6 and top external thread 1/4" UNC.	
DG0125	45 mm Clamp CS4550 The strong CS4550 clamp with its special soft grip expands onto round and flat surfaces up to 45 mm. Features internal threads: 2 x 1/4", 2 x 3/8", 1 x 6 mm, 1 x 8 mm.	

อุปกรณ์เสริม Adaptors

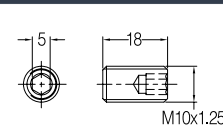
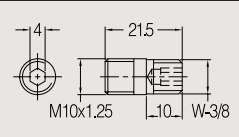
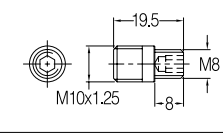
M6 Adaptors

Order No.		
AD6010		
AD6015		
AD6030		
AD6060		
AD6080		
MA0125		

M8 Adaptors

Order No.		
AD8030		
AD8080		

M10 x 1.25 Adaptors

Order No.		
AD1000		
AD1030		
AD1080		

Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อัลเกจวัดความเรียบ

Dial Indicators

ได้อัลเกจ

Dial Test Indicators

ได้อัลเทส

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด



อุปกรณ์เสริม 3 Point Clamp

Order No.	Dia. Post	Dia. Arm		
PH1307	8	8	For Holder PH5000	
PH0315	10	6	For Holder PH3100	
PH0310	14	12	For Holders: PH2040, PH6400, PH6410	
PH0312	16	16	For Holders: PH4016, PH6600, PH6610	
PH0313	18	16	For Holders: PH6800, PH6810	

อุปกรณ์เสริม Knobs

Order No.		
DG0160	Knob for NF & DG Holders	
MG1620	Knob for MG Holders	
MA0100	Knob for MA Holders	

อุปกรณ์เสริม Screws

Order No.			
DG0340	M5 x 9	Replacement screw for FA1500.	
DG0141	M4 x 12	Replacement screw for DG10503, DG10533, MG10503, MG10533, NF 10403, NF 10433, DG6160 & MG6161.	

อุปกรณ์เสริม

MAIN POST FOR SB-6 (Ø 12)

Order No.	SB6-MP
Model No.	012691
Compatible Order No.	SB-6C SB-6B



อุปกรณ์เสริม

ARM FOR SB-6B (Ø 10)

Order No.	SB6B-SP
Model No.	012681
Compatible Order No.	SB-6B



อุปกรณ์เสริม

POST CLAMP KNOB FOR SB-6

Order No.	SB6-CK
Model No.	012693
Compatible Order No.	SB-6C SB-6B



อุปกรณ์เสริม

ARM FOR SB-80P (Ø 12)

Order No.	SB80P-SP
Model No.	012683
Compatible Order No.	SB-80P



อุปกรณ์เสริม

POST CLAMP KNOB FOR SB-80P

Order No.	SB80P-CK
Model No.	012685
Compatible Order No.	SB-80P



อุปกรณ์เสริม

LOCK ARM FOR SB-100G

Order No.	SB100G-LAS
Model No.	012687
Compatible Order No.	SB-100G



อุปกรณ์เสริม

ARM FOR SB-6C (Ø 10)

Order No.	SB6C-SP
Model No.	012694
Compatible Order No.	SB-6C



อุปกรณ์เสริม

GAUGE CLAMP KNOB FOR SB-6

Order No.	SB6-GK
Model No.	012692
Compatible Order No.	SB-6C SB-6B



อุปกรณ์เสริม

MAIN POST FOR SB-80P (Ø 14)

Order No.	SB80P-MP
Model No.	012682
Compatible Order No.	SB-80P



อุปกรณ์เสริม

GAUGE CLAMP KNOB FOR SB-80P

Order No.	SB80P-GK
Model No.	012684
Compatible Order No.	SB-80P



อุปกรณ์เสริม

FREXIBLE POST FOR SB-80F

Order No.	SB80F-MPS
Model No.	012686
Compatible Order No.	SB-80F



อุปกรณ์เสริม

MAIN POST FOR SB-25M (Ø 7)

Order No.	SB25M-MP
Model No.	012688
Compatible Order No.	SB-25M



Micrometer

ไมโครมิเตอร์

Inside

Measurement

เครื่องมือวัดภายใน

Calipers

คาร์ลิเปอร์

Height Gages

เกจวัดความสูง

Linear Height

เครื่องมือวัดความสูง

Depth Gages

เกจวัดความลึก

Gauge Blocks

เกจบล็อก

Reference Gages

เครื่องมืออ้างอิง

Surface Plate

โต๊ะระดับ

Digimatic Indicators

ได้อิเล็กทรอนิกส์วัดความเรียบ

Dial Indicators

ได้อัดเบา

Dial Test Indicators

ได้อัดทดสอบ

Stands

ขาตั้ง

Stands

ขาตั้ง

Accessories

อุปกรณ์เสริม

SMALL TOOLS

เครื่องมือวัดละเอียด

JSR Mangata Seiki

อุปกรณ์เสริม
GAUGE CLAMP KNOB FOR SB-25M

Order No.	SB25M-GK
Model No.	012689
Compatible Order No.	SB-25M

อุปกรณ์เสริม
LOCK ARM FOR MB-7

Order No.	MB7-LAS
Model No.	012690
Compatible Order No.	MB-7

อุปกรณ์เสริม
COLLET FOR DIAL GAUGE MOUNT (Ø 6)

Order No.	BC-6
Model No.	012695
Compatible Order No.	SB-80F SB-100G MB-7

Micrometer
ไมโครมิเตอร์Inside
Measurement
เครื่องมือวัดภายในCalipers
คาลิเปอร์Height Gages
เกจวัดความสูงLinear Height
เครื่องมือวัดความสูงDepth Gages
เกจวัดความลึกGauge Blocks
เกจบล็อกReference Gages
เครื่องมืออ้างอิงSurface Plate
โต๊ะระบDigimatic Indicators
ไดอัลเกจวัดความเรียบDial Indicators
ไดอัลเกจDial Test Indicators
ไดอัลเทสStands
ขาตั้งStands
ขาตั้งAccessories
อุปกรณ์เสริม