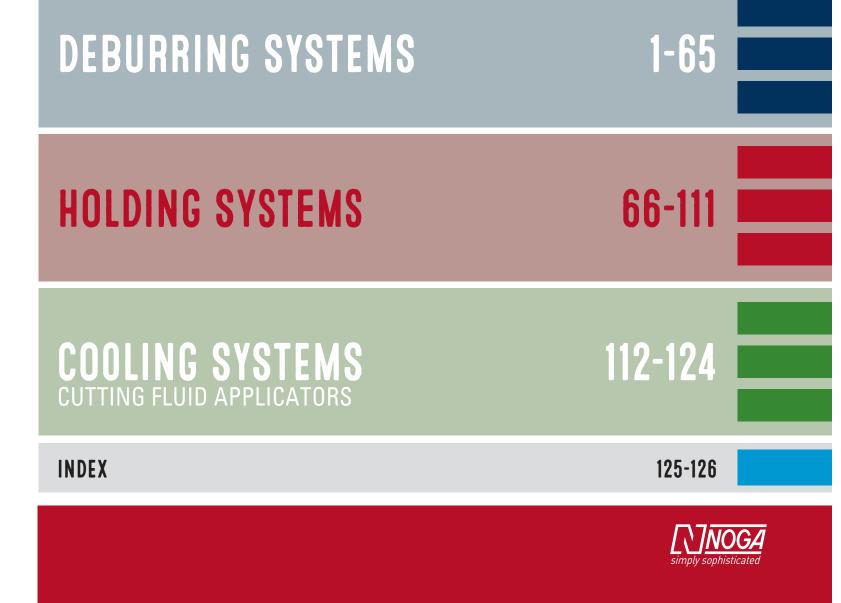
## Main Content



# Holding Systems





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### Introduction

**NOGA** is proud to present its new catalog of holding systems.

These state of the art mechanical holders, are divided into two groups, ARTICULATED and PH, both designed to hold dial and test indicators, as well as many other components.

**NOGA** holders are also used in many other fields such as: machine construction, medical instruments, photography, light, sound and more.

NOGA holders consist of three main parts: Arms, base and top (See diagram on right).

**NOGA** ARTICULATED HOLDERS - articulated arms, with central locking mechanism.

**NOGA** PH HOLDERS - post and arm, with unique 3 points clamp.

Each group of holders consists of several sizes of arms, so you can always find one to suit your needs.

**NOGA** holders have fine adjustment mechanism, whether it is on the top (FAT), or at the base (FAB) or both.

**NOGA** top fine adjustment is made of metal, and is the only fine adjustment to hold 6mm, 8mm, 3/8" and dove tail.

**NOGA** SPECIALTY HOLDERS - unique individual items. These are Noga well known items.

**NOGA** SETS - 3 sets of holders and indicators.

**NOGA** BASES - different magnetic bases from 200 N to 1300 N, a 350 N vacuum base, and clamps.

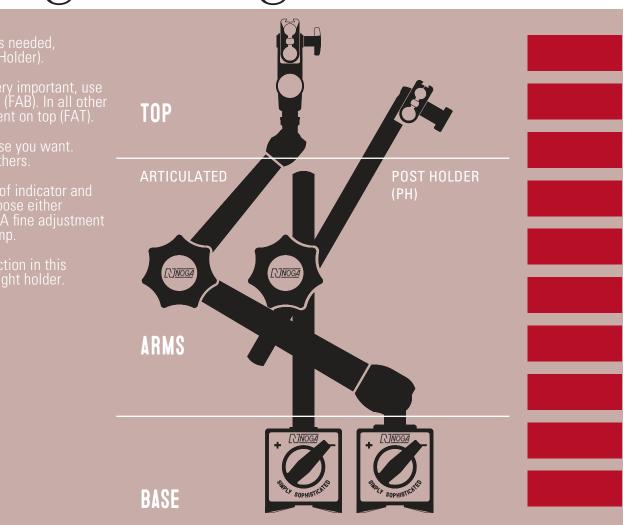
**NOGA** MODULAR HOLDERS - another useful addition to this catalog is the modular holders section which allows the user almost unlimited range of holding applications.

**NOGA** Accessories - A variety of accessories are shown. Custom made accessories are available upon request.



# Choosing the Right Holder

- Choose the kind of arms needed, articulated or PH (Post Holder).
- When zero-setting is very important, use fine adjustment at base (FAB). In all other cases use fine adjustment on top (FAT).
- Decide what kind of base you want Magnetic, vacuum or others.
- Depending on the type of indicator and job to be inspected, choose either standard clamp or NOGA fine adjustment with unique swivel clamp.
- Consult the relevant section in this catalog to choose the right holder.





## Articulated Holder FAT\*





# \*Fine Adjustment Top



### Articulated Holders FAT\*

### 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



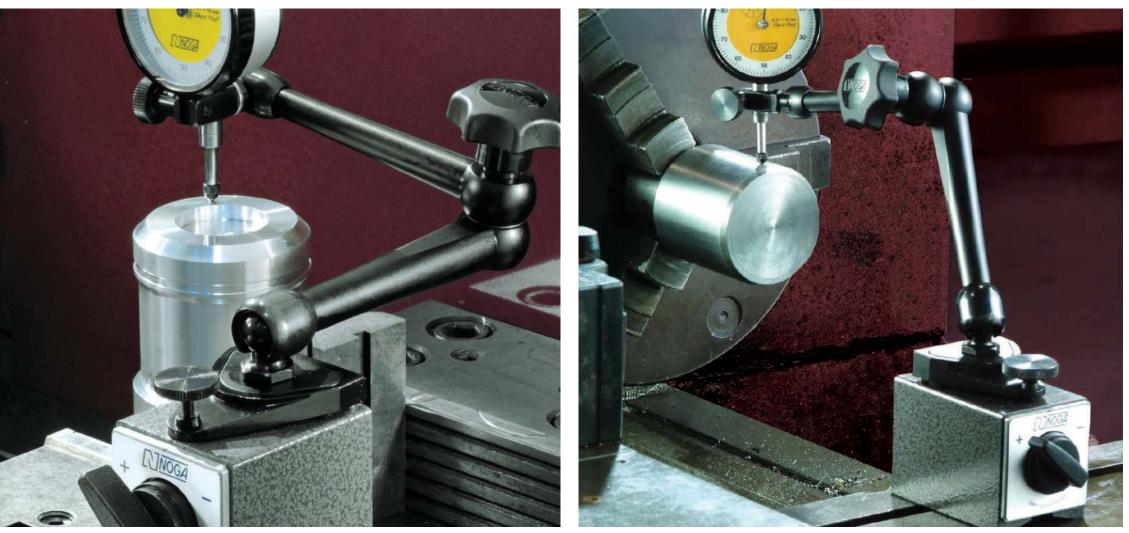
# \*Fine Adjustment Top



	Holder				Mag	gnet			
Order no.	Bottom thread	Weight	Bottom arm	Top arm	Total	Force	Force Dimensio		
	D	[Kg]	L1	L2	L1 + L2 + L3	[N]	W	L	Н
NF61003	Ext. M5	0.520	56	51	178	320	30	40	35
NF60103	Ext. M5	0.320	56	51	178	-	-	-	-
DG61003	Ext. M8	1.350	110	101	282	800	50	60	55
DG60103	Ext. M8	0.350	110	101	282	-	-	-	-
MG61003	Ext. M8	1.900	133	113	317	800	50	60	55
MG60103	Ext. M8	0.900	133	113	317	-	-	-	-
MG71003	Ext. M8	1.950	163.5	113	347.50	800	50	60	55
MG70103	Ext. M8	0.950	163.5	113	347.50	-	-	-	-
MA61003	Ext. M10 x 1.25	5.100	286.50	222.5	580	1300	50	120	55
MA60103	Ext. M10 x 1.25	3.100	286.50	222.5	580	-	-	-	-



## Articulated Holder FAB\*





# \*Fine Adjustment Base



# Articulated

## Holders FAB\*

PLY SOPHISTICATED



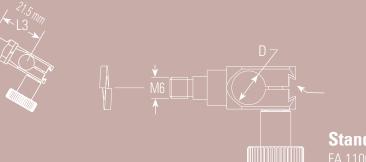
### NOGA articulated holders with fine adjustment at base

**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



# \*Fine Adjustment Base



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

Hold	er	Standard c	lamp	A	rm length		Magnet			
Order no.	Weight	Standard clamp	Order no.	Bottom arm	Top arm	Total	Force	Dimension		h
	[Kg]	D		L1	L2	L1 + L2 + L3	[N]	W	L	Н
NF10403	0.520	8	FA1100	56	51	128.5	320	30	40	35
NF10433	0.520	3/8"	FA1120	56	51	128.5	320	30	40	35
DG10503	1.400	8	FA1100	110	101	232.5	800	50	60	55
DG10533	1.400	3/8"	FA1120	110	101	232.5	800	50	60	55
MG10503	1.900	8	FA1100	133	113	267.5	800	50	60	55
MG10533	1.900	3/8"	FA1120	133	113	267.5	800	50	60	55

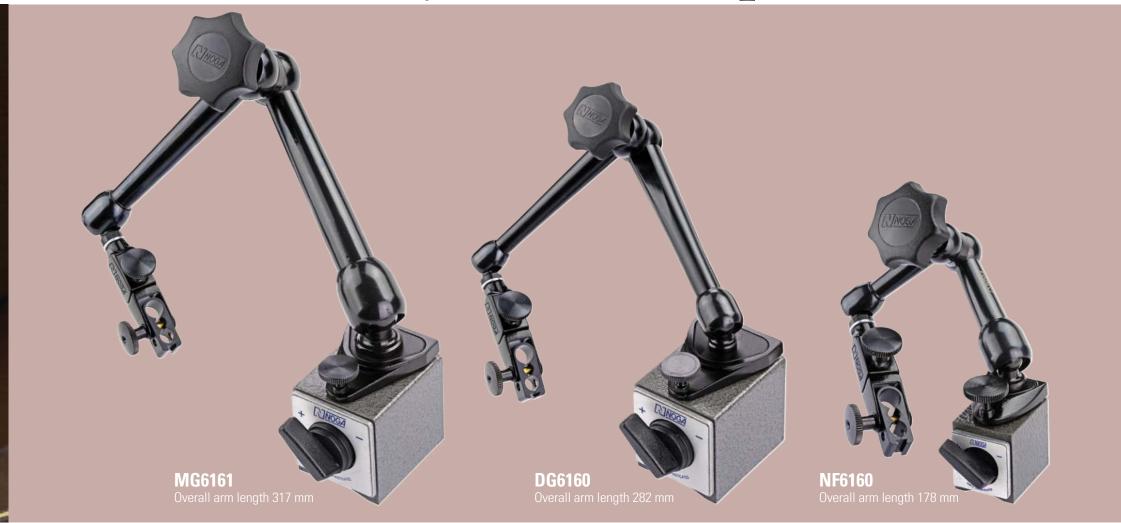


## Articulated Holders FAT & FAB\*





## \*Fine Adjustment Top & Base





### Articulated Holders FAT & FAB\*

### NOGA articulated holders with double fine adjustment

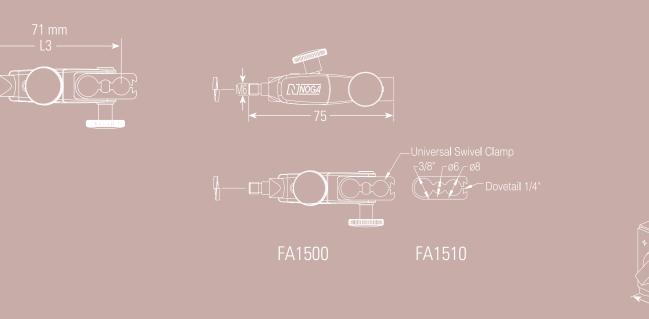
NOG/

- New double fine adjustment: BOTTOM: unique single direction TOP: universal swivel clamp
- Holds 6 mm, 8 mm, 3/8" and doveta
- 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.





## \*Fine Adjustment Top & Base



	Holder			Magnet					
Order no.	Bottom thread	Weight	Bottom arm	Top arm	Total	Force	Dimension		
	D	[Kg]	L1	L2	L1 + L2 + L3	[N]	W	L	Н
NF6160	Ext. M5	0.550	56	51	178	320	30	40	35
DG6160	Ext. M8	1.450	110	101	282	800	50	60	55
MG6161	Ext. M8	2.000	133	113	317	800	50	60	55



### Holder Sets and Indicators





## Sets and Indicators

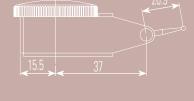
NOGA offers three sets combining the most popular holders with the best made indicators.

#### DG1000

- Dial diameter 58 mm.
  Stem diameter 8 mm.
  Measuring range 10 mm.
  30 -> i < 48</li>
- Graduations 0.01 mm



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



		sioniping.				
Arm length		Indicators		Magnet		
Top arm	Total	Order no.		Dimensior	า	
12	11,12,12		۱۸/	1	Ц	

	Holder			Arm length				Magnet		
Order no.	Bottom thread	Weight	Bottom arm Top arm Total Or			Order no.	Dimension		า	
	D	[Kg]	L1	L2	L1 + L2 + L3		W	L	Н	
NF6150	Ext. M5	0.600	56	51	178	NF1000	30	40	35	
DG6150	Ext. M8	1.600	110	101	282	DG1000	50	60	55	
MG6150	Ext. M8	2.100	133	113	317	DG1000	50	60	55	







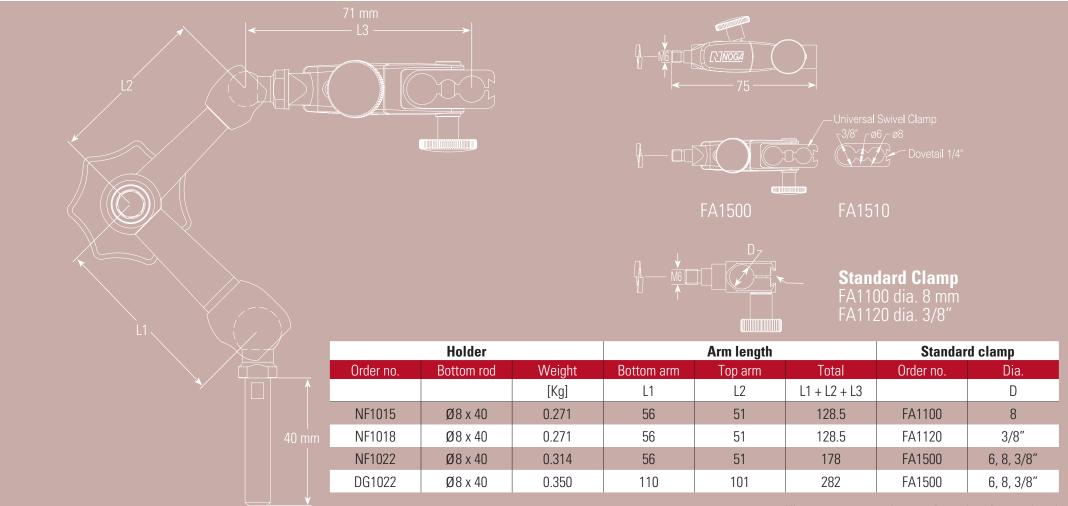




### **NOGA** centering holders

- 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: ø8 x 40 mm
- Black finished arms







### Mini Holders





### Mini Holders





# LC and PH Mini Holders

#### **NOGA LC mini holder** with small round magnet LC6200 / LC6210

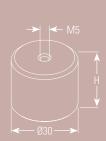
- 200 N round permanent magnetic base.
- Holds 8 mm or 3/8" and dovetail.
- Unique central locking mechanism with Noga designed spring loaded bearing.
- Five axis holder
- Instantly and easily fastens in any position.
- Black finished arms.

#### **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

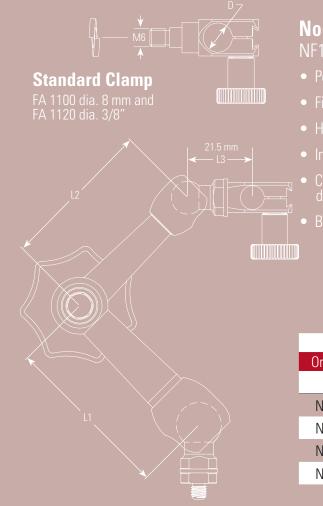
Но	lder		Arm length	Arm length Sta		d clamp	Magnet		
Order no.	Weight	Bottom arm	Top arm	Total	Order no.	Dia.	Force	Dime	nsion
	[Kg]	L1	L2	L1 + L2 + L3		D	[N]	Ø	Н
LC6200	0.280	38	38	87.5	FA1100	8	200	30	25
LC6210	0.280	38	38	87.5	FA1120	3/8"	200	30	25

Hol	der	Arm length a		Magnet		3 points clamp			
Order no.	Weight	Post	Arm	Force	Dimension		Dimension		Order no.
	[Kg]	Dia. (D1) x length (L1)	Dia. (D2) x length (L2)	[N]	Ø	Н			
PH5000	0.360	Ø8 x 110	Ø8 x 110	200	30	25	PH1307		





# NogaFlex Mini Holders $360^{\circ}$



### **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.

### **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.

Hol	der		Arm length		Standar	d clamp	Magnet			
Order no.	Weight	Bottom arm	Top arm	Total	Order no.	Dia.	Force	[	Dimensio	n
	[Kg]	L1	L2	L1 + L2 + L3		D		W	L	Н
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



## **Special Articulated Holders Top**



simply sophisticated

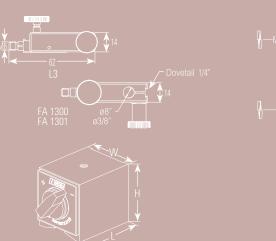
# **Special Articulated Holders**

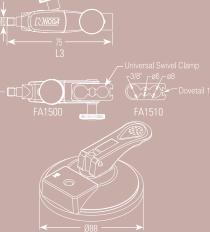
#### DG/MG Holder

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

#### DG1044

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





	Holder		A	Arm length			Ma	gnet		Standard Clamp	
Order no.	Bottom thread	Weight	Bottom arm	Top arm	Total	Force		Dimensior	1	Order no.	D
	D	[Kg]	L1	L2	L1 + L2 + L3	[N]	W	L	Н		
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"



### Post Holders FAT\*





# \*Fine Adjustment Top

RJN0GA

PH6600





**PH6400** 

RINOGA



# Post Holders FAT\*

### NOGA economical holders with fine adjustment on top

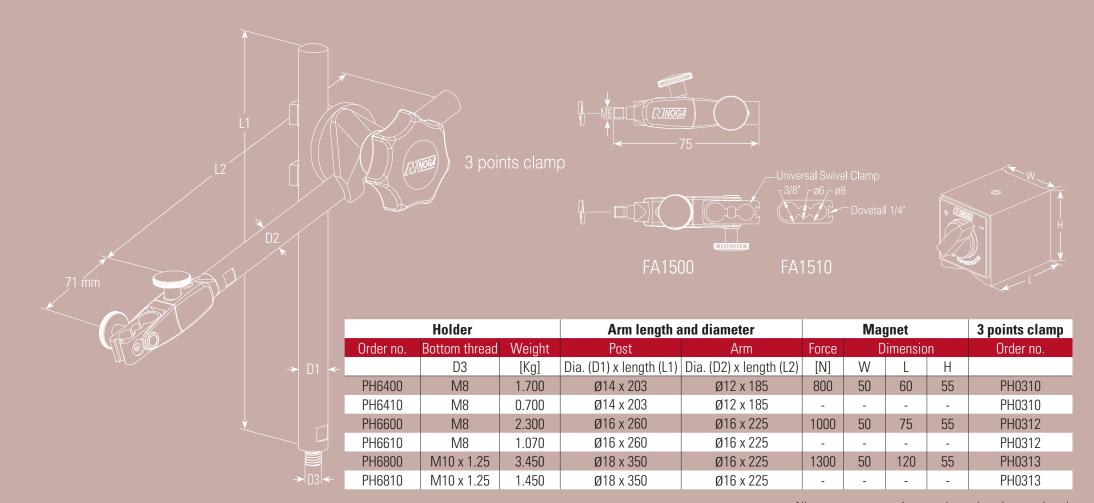
**NOGA PH** (Post Holder) holders are the latest improvement of the traditional indicator holder.

- Fine adjustment on the top with universal swivel clamp.
- Holds 6mm, 8mm, 3/8" and dovetail.
- Powerful on/off magnetic base
- Strong arm lock by using 3 points clamp.
- Easy to set up gauges into required position.
- Black finished arms.





# \*Fine Adjustment Top





## PH Holders FAB\*









## Post Holder

NOGA

NNOGA

SUMPLY SOPHISTICATED

### NOGA economical holders with fine adjustment at base

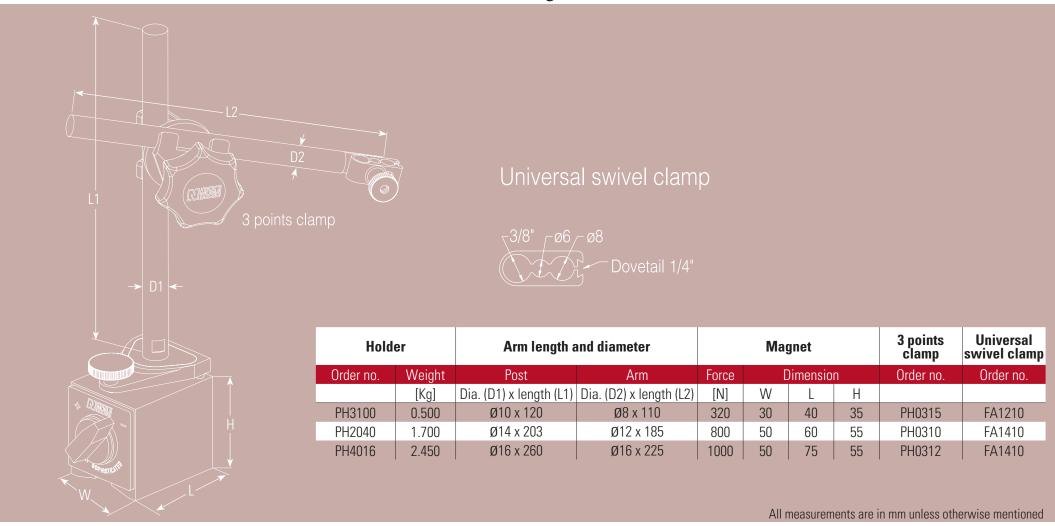
**PH** holders with NOGA unique fine adjustment at base.

- 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.





# \*Fine Adjustment Base





# Modular Holders





### Modular Holders







Order no.	Weight	Int. thread		Arms length			
	[Kg]	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	



### NOGA Bases



DG0039

**DG0038** 



DG0036





HS1100

DG0040



DG1003



DG0118



DG3678



NF3778





# Noga 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.







# **Top Attachments**

### For dial & test indicators

FA1300	M6	Plastic F.A. 8 mm	Min Contraction 1/4*
FA1301	M6	Plastic F.A. 3/8″	
FA1400	M6	2SM Metal F.A. 6 mm, 8 mm, 3/8"	Universal Swivel Clamp
FA1500	M6	Metal F.A. 6 mm, 8 mm, 3/8"	



# **Top Attachments**

#### 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.



# Clamps for top attachment NF0125 M6 EXT. Clamp 1" Image: Clamp C

### 45 mm Clamp CS4550

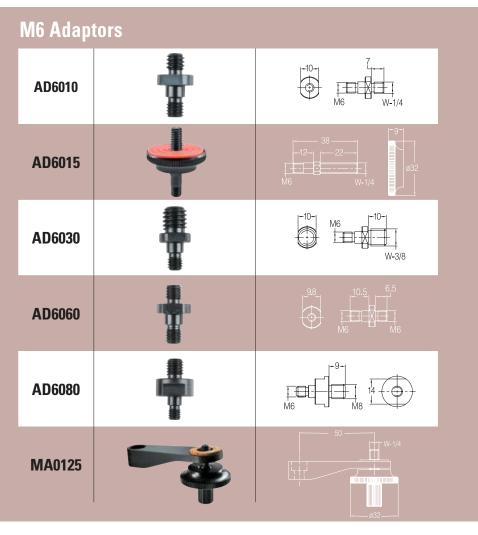
The strong CS4550 clamp with its special soft grip expands onto round and flat surfaces up to 45 mm.

eatures internal threads: 2 x 1/4", 2 x 3/8" x 6 mm, 1 x 8 mm.





### Accessories



### **M8** Adaptors





### Accessories

3 Point Clamp			Knobs						
		Dia. Post	Dia. Arm	-		DG0160	Knob for	NF & DG Holders	
	PH1307	8	8	For Holder PH5000	MG1620 MA0100	Knob for MG Holders			
	PH0315	10	8	For Holder PH3100		MA0100			
	PH0310	14	12	For Holders: PH2040 PH6400 PH6410			Knob f	or MA Holders	
					Screws				
	PH0312	16	16	For Holders: PH4016, PH6600, PH6610		DG0340	M5 x 9	M5 x 9 Replacement screw for FA1500.	
	PH0313	18	16	For Holders: PH6800, PH6810	DG0141		M4 x 12	Replacement screw for DG10503, DG10533, MG10503, MG10533,	
								NF 10403, NF 10433, DG6160 & MG6161.	





