Feature of Free Guide Arms / Overview Guide for Measuring & Examination Instruments Mounting Hardware

MISUMI offers many parts suitable for mounting measuring instruments, lenses and lights for experiments and examinations on factory floors. For example, Free Guide Arms which make easy adjustment and fixture of the mounted instruments' position, Magnetic Bases which perform as the base of Free Guide Arms Shaft and adhere to magnetic objects, and Holders for mounting Dial Gauges.

Feature of Free Guide Arms

Image Processing / Measuring Instruments Mounting Hardware

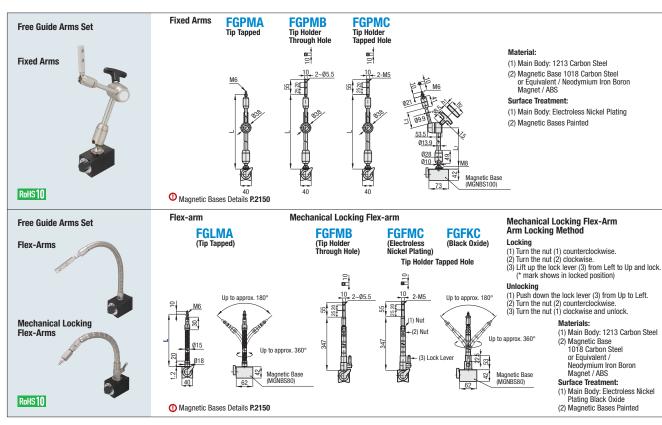
		Free Guide Arms	Flexible Arms	Free Arrela Arres		
	Fixed Arms	Flex-Arm	Mechanical Locking Flex-Arm	Flexible Arms	Free Angle Arms	
Shape						
Feature	There are three movable sections. Each can be adjusted freely. By fixing only one dial, three movable sections can be locked simultaneously. The Fixed Arm bears large allowable load at locked state, therefore, it is suitable for mounting measuring instruments, sensors and lightings.	The arm can be adjusted into shapes freely. Not having a lock function, it is not appropriate for mounting heavy loads. However, for its easy adjustment feature, it is suitable for mounting light loads such as lenses or lights and move them frequently.	The arm can be adjusted into shapes freely. The arm can be retained in desired shapes by tightening the nuts for holding the lock lever up. As it is more flexible than the Fixed Arm and can support larger loads, it is suitable for adjusting and locking at the same time.	Although the arm can be adju-sted into shapes freely, it is not suitable for mounting heavy loads as no lock function is provided. It can be mounted on various devices as the item is sold separately. Also, the length and screw diameter are selectable.	Each joint angle can be adjusted in shape as desired. The unit quantities are also selectable, so use it with the necessary length.	
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Overview Guide for Measuring & Examination Instruments Mounting Hardware

Product Name	Base		Holder			
	base	Shaft	Measument	Instruments	noider	
	Magnetic Bases	Shaft Mounts	Dial Mounts	Indicator Mounts	Dial Holders	
Appearance						
Feature	Compact but generates strong attraction force by using Neodymium Iron Boron Magnets. Smaller sizes such as 30SQ are available.	Mounts for adjusting angles and fixing two shafts. Highly efficient Spring Built-in Types are also offered.	Mounts for mounting Dial Gauges. Adjust the gauge angle and turn the knurled screw to fix it.	Mounts for mounting Indicators. The angle adjustment for the tip can be done by turning the knurled screw.	As the dial holder is fixed by tightening the spindle of the dial gauge, mounting does not damage the spindle.	
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Free Guide Arms

Fixed Arms / Flex-Arms / Mechanical Locking Flex-Arms



Fixed Arms

Part Number								Weight	Allowable Ref. Load	Attraction Force
Туре	Type No.		L	L ₁	L ₂	n ₁	II ₂	(kg)	(N)	(N)
Tip Tapped (M6) Tip Holder Through Hole Tip Holder Tapped Hole	FGPMA FGPMB FGPMC	100	272	145	62	15	56	1.7	24.5	1000
		200	432	228	142	17	68	1.9	17.6	1000

Flex-Arm

Part Number			Weight	Allowable	Attraction Force		
Туре		L	(kg)	Ref. Load (N)	(N)		
Tip Tapped (M6)	FGLMA	200	0.8	3.9	000		
		300	0.9	2.0	800		

Mechanical Locking Flex-Arm

moonamour zooking rick rum							
Part Number		Weight	Allowable Ref. Load	Attraction Force (N)			
Туре		(kg)	(N)				
Tip Holder Through Hole	FGFMB						
Tip Holder Tapped Hole	FGFMC FGFKC	1.1	4.9	800			



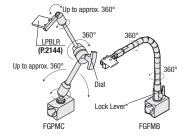
FGLMA300

Supportable Loads

Supportable Loads are obtained by the arms horizontally held, and the loads placed. (Not guaranteed value)



Application



Feature of Fixed Arms

By turning each of three movable sections freely and then fixing the dial, all movable sections can be fixed simultaneously.

Features of Mechanical Locking Flex-Arm

While the lock lever is released, the arm can be adjusted

Engaging the lock lever maintains the desired shape.