MHGS - F N -13

Model no. | Front shape | Installation | Travel stroke

GMT	Measurement range	Accuracy	Minimum resolution	Micrometer tolerance	Vernier	Fronttip		Installation	
Modelno.	mm	mm	mm	μm		Flate	Round	Lock screw	Set screw
MHGS-FN-6.5	0~6.5	0.005	0.01	± 2	Positive scale	●		●	
MHGS-FP-6.5						●			●
MHGS-SN-6.5							●	●	
MHGS-SP-6.5							●		●
MHGS-FN-13	0~13					●		●	
MHGS-FP-13						●			●
MHGS-SN-13							●	●	
MHGS-SP-13							●		●
MHGS-FN-15	0~15					●			●
MHGS-FP-15						●			
MHGS-SN-15							●	●	
MHGS-SP-15							●		●
MHGS-FN-25	0~25					●		●	
MHGS-FP-25						●			●
MHGS-SN-25							●	●	
MHGS-SP-25							●		●
MHGS-FN-50	0~50					●		●	
MHGS-FP-50						●			●
MHGS-SN-50							●	●	
MHGS-SP-50							●		●

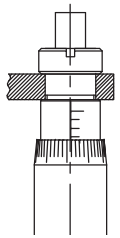
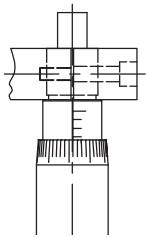
- MHGS type (standard type) is mostly used worldwide.
- Gauging face material: SKS3(Hardness: above HRC60)
- Scale surface finish: Hard chrome-plating

Purpose

The micrometer type is particularly designed for high accuracy positioning devices, such as optical instruments, precisely fine tuning stages, various machine tools, gauging instruments, precisely positioning devices, fixed amount transmissions, etc.

Installation

The heads of the micrometers are classified by their forms as the type of lock screw and set screw.

Fixing form	Lock screw		Set screw	
Installation diagram				
Shaft dia.	Ø6.0	Ø9.525 Ø9.5	Ø6.0	Ø9.525 Ø9.5
Mounting hole tolerance	G7(+0.004~+0.016)	G7(+0.005~+0.020)	G7(+0.004~+0.016)	G7(+0.005~+0.020)
Notice	The right angle opposite to mounting hole A must be within 0.16/6.5,digrees, or the fixing may be affected		Pleasse notice burrs occurred from inner wall of mounting holes.	
Axial static load	8.63~9.8kN(880~1000kgf)		0.69~0.98kN(70~100kgf)	
Remark	Simply and firmly locked		need of locking and tacking process	

★ Loading data is exlusive of maintaining accuracy

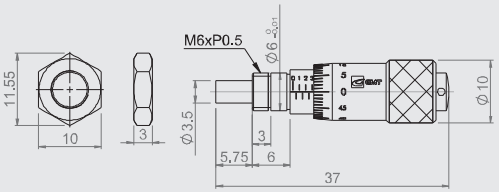
Micrometer selection

The considerations of selecting a micrometer might be including gauging range, the shape of gauging face, shaft, and the size of reading axis. Selections should be based on purposes.

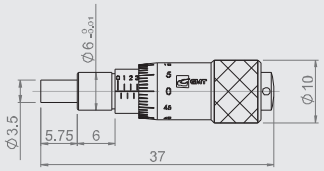
Gauging plane selection

The shaft is designed with the most suitable dimension for the body using an allowable tolerance h6.
Once the instrument be used for gauging purposes, it is generally suggested to use the plate type; for transferring purposes, using the sphere type could minimize the errors.

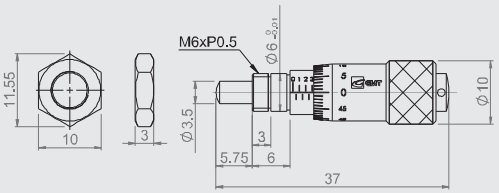
MHGS-FN-6.5



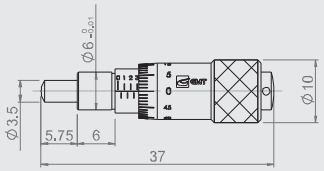
MHGS-FP-6.5



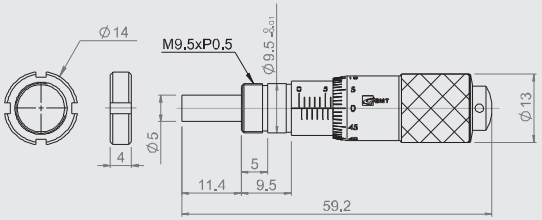
MHGS-SN-6.5



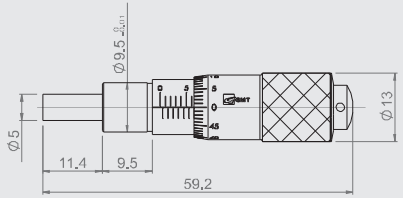
MHGS-SP-6.5



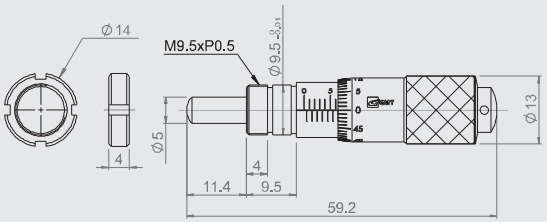
MHGS-FN-13



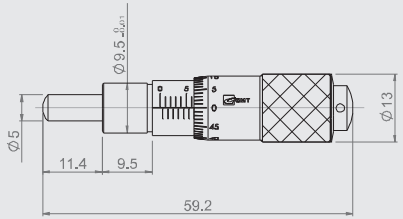
MHGS-FP-13



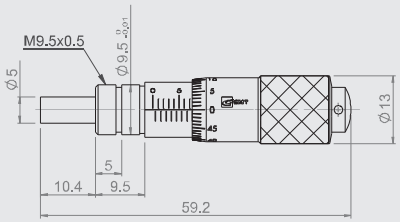
MHGS-SN-13



MHGS-SP-13

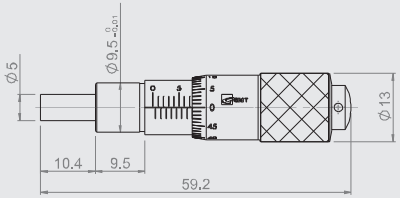


MHGS-FN-15

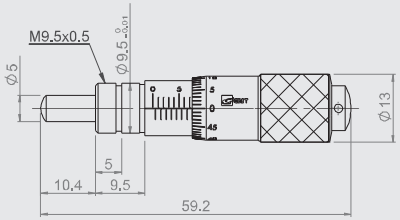


Screw options please refer to : MHGS-FN-13

MHGS-FP-15

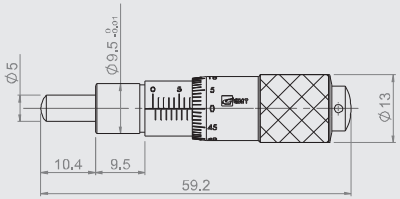


MHGS-SN-15

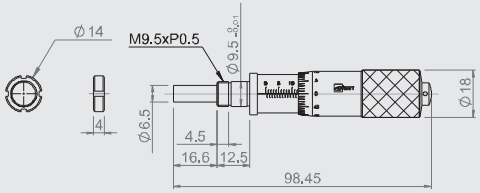


Screw options please refer to : MHGS-FN-13

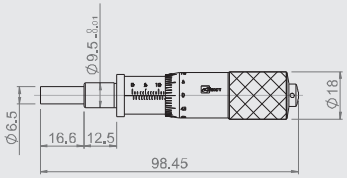
MHGS-SP-15



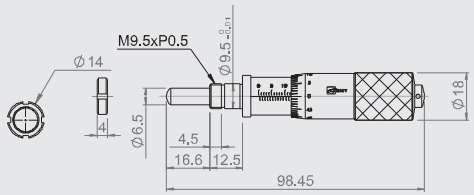
MHGS-FN-25



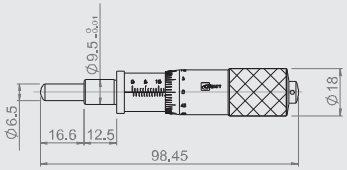
MHGS-FP-25



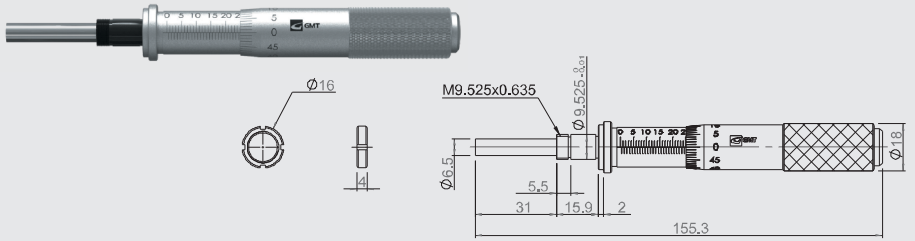
MHGS-SN-25



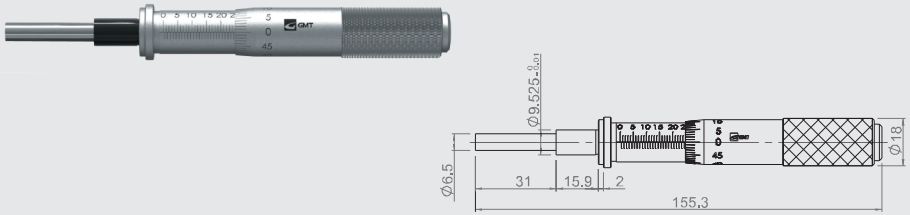
MHGS-SP-25



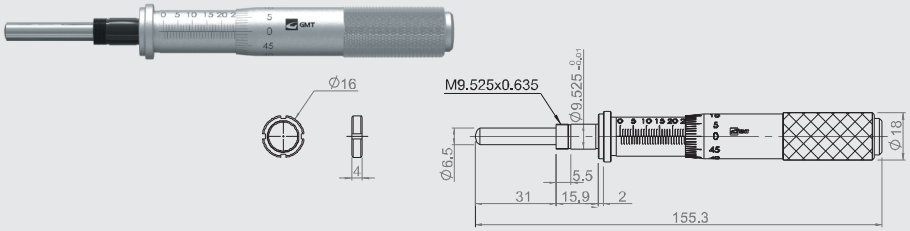
MHGS-FN-50



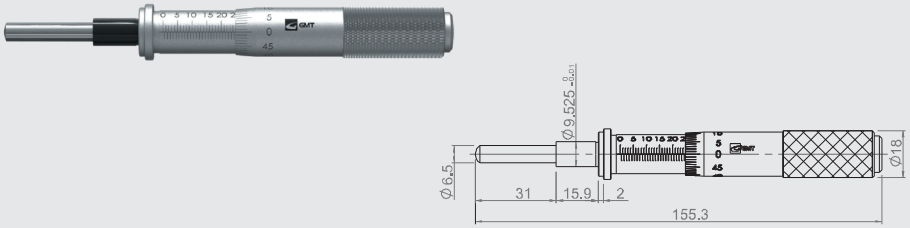
MHGS-FP-50



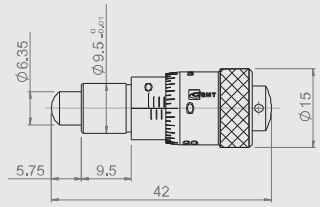
MHGS-SN-50



MHGS-SP-50

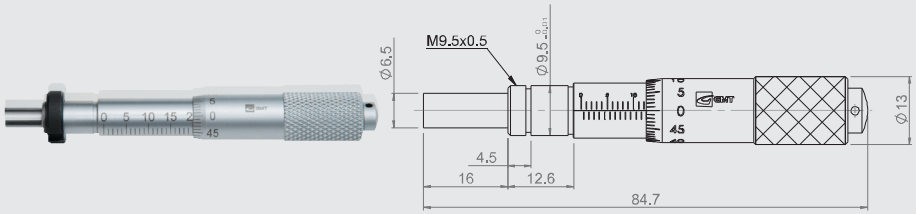


MHGS-SP-6.5A(B)



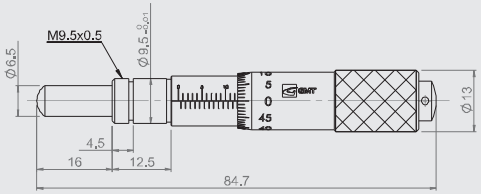
PITCH : A(0.25mm) ; B(0.5mm)

MHGS-FN-25A



Screw options please refer to : MHGS-FN-13

MHGS-SN-25A



Screw options please refer to : MHGS-FN-13