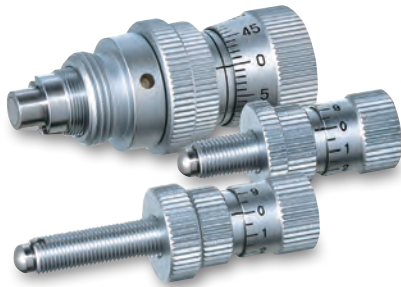
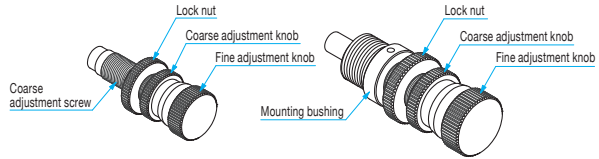


Differential adjustment screws combine the ability to translate over long distances with the precision of a differential thread for fine motion. The double-spindle differential mechanism offers smooth coarse- and fine-adjustment.



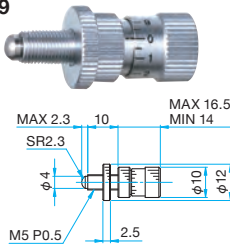
Part Names



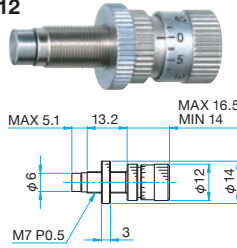
Attention

- ▶ Note that fine adjustment is fitted with a scale, but coarse adjustment is not.
- ▶ Depending on the stage type, there is the possibility of shortened travel or interference with mounting parts. Contact our Sales Division when you exchange the micrometer head.
- ▶ Travel distance of coarse drive is about the length of coarse screw in the outline drawing. Contact our Sales Division for more information.

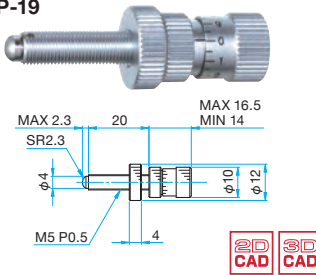
SHSP-9



SHSP-12



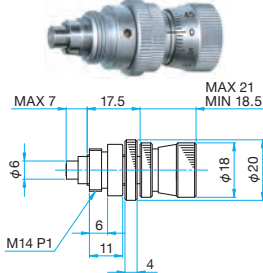
SHSP-19



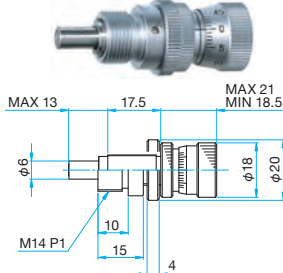
Specifications

Part Number	Travel of Fine Drive [mm]	Readable Resolution for Fine Drive [mm]	Lead of Actuator for Coarse Drive [mm]	Lead of Actuator for Fine Drive [mm]	Load Capacity (Static load) [N]	Weight [kg]
SHSP-9	0 – 0.25	0.0025	0.5	0.05	19.6 (2kgf)	0.01
SHSP-12	0 – 0.25	0.0025	0.5	0.05	29.4 (3kgf)	0.02
SHSP-19	0 – 0.25	0.0025	0.5	0.05	29.4 (3kgf)	0.01

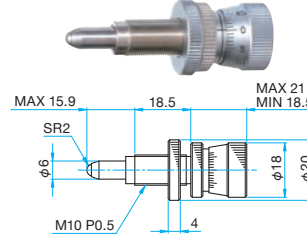
SHPA-4.5



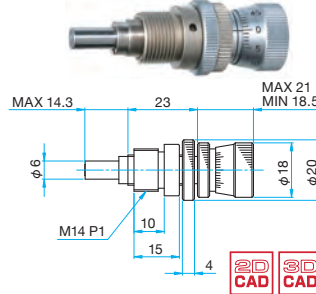
SHPB-7



SHPT-7



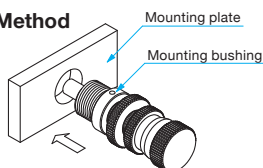
SHPC-10



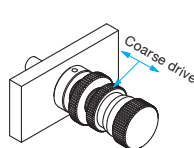
Specifications

Part Number	Screw size of Coarse Drive [mm]	Travel of Fine Drive [mm]	Readable Resolution for Fine Drive [mm]	Lead of Actuator for Coarse Drive [mm]	Lead of Actuator for Fine Drive [mm]	Load Capacity (Static load) [N]	Weight [kg]
SHPA-4.5	M10 P0.5	0 – 0.25	0.001	0.5	0.05	29.4 (3kgf)	0.06
SHPB-7	M10 P0.5	0 – 0.25	0.001	0.5	0.05	29.4 (3kgf)	0.06
SHPT-7	—	0 – 0.25	0.001	0.5	0.05	29.4 (3kgf)	0.05
SHPC-10	M10 P0.5	0 – 0.25	0.001	0.5	0.05	29.4 (3kgf)	0.06

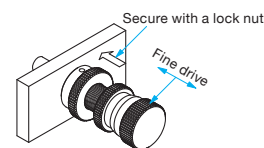
Mounting Method



(1) Screw the mounting bushing into the mounting plate to attach the micrometer.



(2) Make coarse adjustment using the coarse drive knob.



(3) After coarse adjustment, tighten the lock nut on the mounting bushing, and make fine adjustment using the fine drive knob.