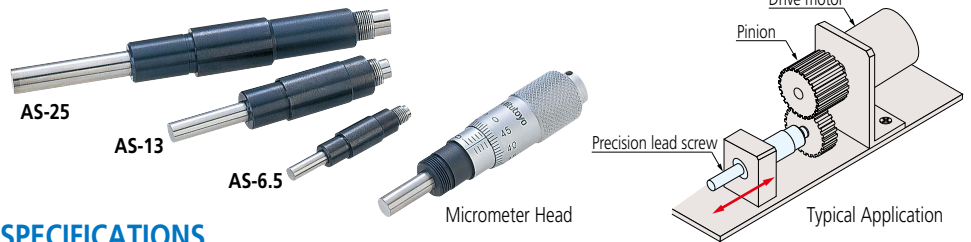


## Technical Data

- Measuring face
- Material: Alloy tool steel  
(AS-25 and BS-25 are carbide tipped)
- Hardness: 60 HRC or more  
(AS-25 and BS-25 are 90 HRA or more)
- Lapped

## Precision Leadscrews

- Mitutoyo manufactures simple and less expensive precision leadscrews for precise positioning mechanisms and fine-feed mechanisms, in addition to standard micrometer heads.
- Mitutoyo also manufactures leadscrews with special specifications, such as 0.25 mm pitch, as well as those with the standard 0.5 mm feed pitch and with dimensions and forms that meet customer requirements.
- Durability: 100,000 operations are guaranteed (use condition: 4 kg load; 2 kg for AS-6.5 and BS-6.5)
- Main applications:
  - Precision feed stages
  - Fine adjustment of optical elements (mirrors, prisms)
  - Fiber optic centering devices
  - Various assembly and adjustment jigs



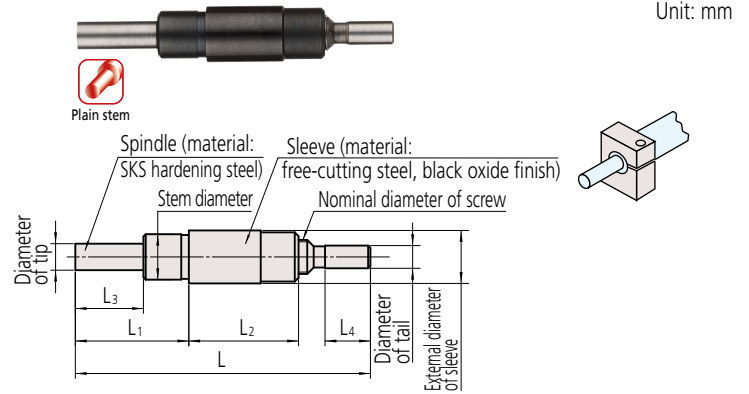
## SPECIFICATIONS

Order No.	Model*	Stroke (mm)	Feed pitch (mm)	Feed accuracy (μm)	Stem diameter (mm)	Tip diameter (mm)	Tail diameter (mm)	Screw nominal diameter	Sleeve diameter (mm)	Measuring face	Mass (g)
04AZA160	AS-6.5	6.5	0.5	±5	ø6 <sup>-0.008</sup>	ø3.5	ø3 <sup>-0.01</sup>	M4.5×0.5	ø7	Hardened	10
04AZA161	BS-6.5										11
04AZA162	AS-13	13	0.5	±2	ø9.5 <sup>-0.009</sup>	ø5	ø5 <sup>-0.012</sup>	M7.35×0.5	ø10.5	Hardened	27
04AZA163	BS-13										30
04AZA164	AS-25	25	0.5	±2	ø10 <sup>-0.009</sup>	ø6.35	ø6 <sup>-0.015</sup>	M7.35×0.5	ø12	Carbide	61
04AZA165	BS-25										64

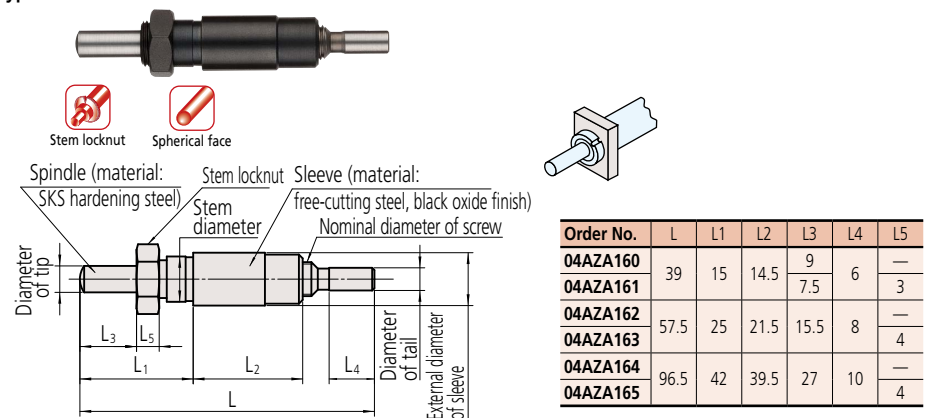
\* AS type: Flat spindle tip without nut  
BS type: Spherical spindle tip with nut

## DIMENSIONS

### Type AS: Plain Stem



### Type BS: Stem with Locknut



Order No.	L	L1	L2	L3	L4	L5
04AZA160	39	15	14.5	9	6	—
04AZA161	—	—	—	7.5	—	3
04AZA162	57.5	25	21.5	15.5	8	—
04AZA163	—	—	—	—	—	4
04AZA164	96.5	42	39.5	27	10	—
04AZA165	—	—	—	—	—	4