# **Micrometer Head**

The origin of Mitutoyo's trustworthy brand of small tool instruments

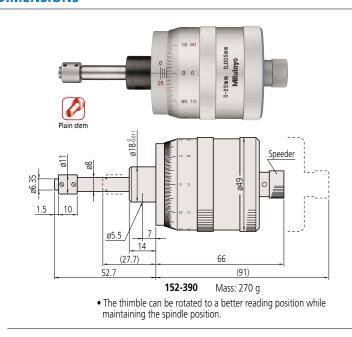
## Micrometer Heads SERIES 152 — XY-Stage Type

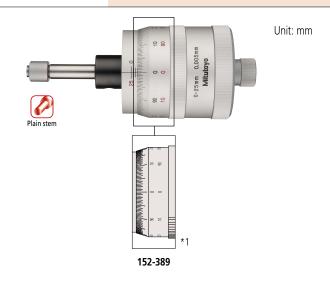
 Micrometer heads especially designed for accurate cross-travel stage translation in X and Y axes.

### **DIMENSIONS**

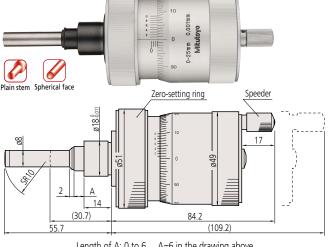
#### **Technical Data**

- Measuring face
  Material: Carbide
  (152-389/390/391/392 are alloy tool steel)
  Hardness: 90 HRA or more
  (152-389/390/391/392 are 60 HRC or more)
  Lapped
- Lapped
   Scale finishing:
  White anodized aluminum





\*1 Other dimensions are the same as 152-390.



Length of A: 0 to 6 A=6 in the drawing above. **152-402** Mass: 460 g

• The zero-setting ring allows spindle movement without thimble position change for easy zero setting.



\*2 Other dimensions are the same as **152-402**.

( ): with spindle fully retracted.

#### **SPECIFICATIONS**

SPECIFICATIONS								
ı	Metric —							
	Order No.	Stroke (mm)	Graduation (mm)	Graduation features	Stem dia. (mm)	Stem	Spindle pitch (mm)	Maximum permissible error J <sub>MPE</sub> (μm)
	152-390 152-389	25	0.005	for Y axis, bidirectional	18	Plain	1	±2
	152-402 152-401		0.001 Vernier graduation	for Y axis, with Vernier				
j	Inch							
	Order No.	Stroke (in)	Graduation (in)	Graduation features	Stem dia. (in)	Stem	Spindle pitch (in)	Maximum permissible error JMPE (in)
	152-392	1	0.0001	for Y axis, bidirectional	0.709	Plain	0.025	±0.0001

