

M-653 · M-655

Differential Micrometer Drives

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M-653.00 differential micrometer drive

Ordering Information

M-653.00
Differential Micrometer Drive with
5 mm Coarse Range and 0.2 mm
Fine Range

M-655.00
Differential Micrometer Drive with
20 mm Coarse Range and 1 mm
Fine Range

Ask about custom designs!

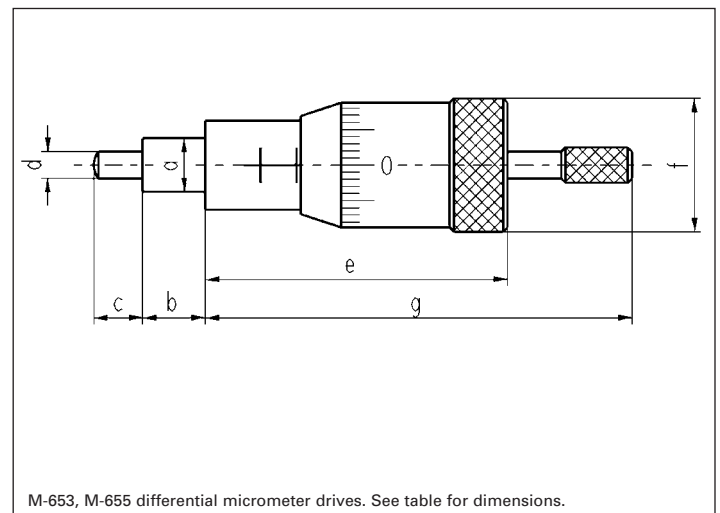
- 0.1 μm Sensitivity
- 1 μm Graduations
- Travel to 20 mm

M-653 and M-655 differential micrometer drives provide coarse travel to 20 mm and sub-micron resolution in a single unit. The large positioning knob provides fast coarse positioning with 1 μm sensitivity, while the small knob provides additional fine motion with 0.1 μm resolution over a limited travel range.

Technical Data

Models	M-653.00	M-655.00	Units
Coarse Range	5	20	mm
Fine Range	0.2	1.0	mm
Coarse Pitch	0.4	0.5	mm
Fine Pitch	0.02	0.05	mm
Scale Reading, Fine	0.001	0.001	mm
Shaft ϕ (a)	6	12	mm
Shaft Length (b)	7	15	mm
Tip at 0 mm (c)	1	7	mm
Tip ϕ (d)	3	6.8	mm
Thimble at 0 mm (e)	30	57	mm
Thimble ϕ (f)	15	30	mm
Thimble max. (g)	48	90	mm

Note: letter codes refer to drawing



M-653, M-655 differential micrometer drives. See table for dimensions.