

# Micrometer

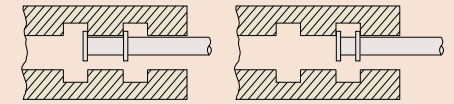
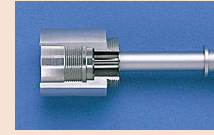
## Groove Micrometers SERIES 146

- Flanged spindle and anvil for measuring width and location of grooves inside bores and tubes.
- Two-directional ratchet stop.
- For ID and OD (except for 0 - 25 mm) measurement, a master gage is required for adjusting the reference point.
- Non-rotating spindle.



146-221

### Measurement example



## SPECIFICATIONS

Metric						
Order No.	Range Inside (mm)	Range Outside (mm)	Graduation (mm)	Maximum permissible error $J_{MPE}$ ( $\mu$ m)	Parallelism ( $\mu$ m)	Flange (mm)
146-221	1.6 - 26.5	0 - 25	0.01	$\pm 10$	10	$\varnothing 6.35$
146-222						$\varnothing 12.7$
146-223	26.5 - 51.5	25 - 50				$\varnothing 12.7$
146-224	51.5 - 76.5	50 - 75				$\varnothing 12.7$
146-225	76.5 - 101.5	75 - 100				$\varnothing 12.7$

Inch						
Order No.	Range Inside (in)	Range Outside (in)	Graduation (in)	Maximum permissible error $J_{MPE}$ (in)	Parallelism (in)	Flange (in)
146-231	0.055 - 1.05	0 - 1	0.001	$\pm 0.0004$	0.0004	$\varnothing 0.25$
146-232						$\varnothing 0.5$
146-233	1.05 - 2.05	1 - 2				$\varnothing 0.5$
146-234	2.05 - 3.05	2 - 3				$\varnothing 0.5$
146-235	3.05 - 4.05	3 - 4				$\varnothing 0.5$

- Standard accessories: Spanner (301336), 1 pc.

## DIMENSIONS

