Optical Parallels
SERIES 157

Typical application

- Designed to inspect parallelism and flatness of measuring faces of micrometers. For details, refer to "Quick Guide to Precision Measuring Instruments" on page 13-9.
- Each set consists of 4 sizes to enable testing parallelism at quarter-turn positions of the micrometer spindle.

157-903

SPECIFICATIONS

Metric

Code No.	Range of micrometer to be checked (mm)	Sizes of parallels included in set (mm)	Diameter (mm)	Flatness (μm)	Parallelism (μm)	Remarks (mm)
157-903	0 - 25	12.00, 12.12, 12.25, 12.37	ø30	0.1	0.2	For 25
157-904	25 - 50	25.00, 25.12, 25.25, 25.37				For 50

Inch

Code No.	Range of micrometer to be checked (in)	Sizes of parallels included in set (in)	Diameter (mm)	Flatness (μm)	Parallelism (μm)	Remarks (mm)
157-901	0 - 1	0.5000, 0.5062, 0.5125, 0.5187	ø30	0.1	0.2	For 25
157-902	1 - 2	1.0000, 1.0062, 1.0125, 1.0187				For 50

Note: Also available individually, using the following Code No.

Metric

Code No.	Thickness (mm)
157-101	12.00
157-102	12.12
157-103	12.25
157-104	12.37

Metric

Code No.	Thickness (mm)
157-105	25.00
157-106	25.12
157-107	25.25
157-108	25.37

Inch

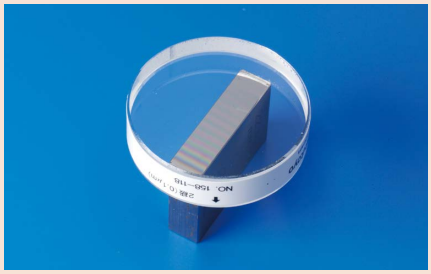
Code No.	Thickness (in)
157-109	0.5000
157-110	0.5062
157-111	0.5125
157-112	0.5187

Inch

Code No.	Thickness (in)
157-113	1.0000
157-114	1.0062
157-115	1.0125
157-116	1.0187

Optical Flats
SERIES 158

Typical application



- Used for inspecting the flatness of measuring faces with high accuracy. For details, refer to "Quick Guide to Precision Measuring Instruments" on page 13-9.

158-118

SPECIFICATIONS

Metric

Code No.	Thickness (mm)	Diameter (mm)	Flatness grade (μm)
158-117	12	45	0.2
158-118			0.1
158-119	15	60	0.2
158-120			0.1

Inch

Code No.	Thickness (in)	Diameter (in)	Flatness grade (in)
158-121	0.5	1.8	0.000008
158-122			0.000004
158-123	0.6	2.4	0.000008
158-124			0.000004