



# BEARING & TOOL CENTRE



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## Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

### Quotation

159	Optical Parallel
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Range-mm	W	C	D %	12 - 12.37	25 - 25.37
InsizeRs.	6	Y		22794	29096
Code				4184-41A	4184-42A
Catalog				Page No. - 1	Page No. - 1
MitutoyoRs.	12	N	5	16148	39464
Code				157 - 903	157 - 904
Catalog				Page No. - 2	Page No. - 2

\*\*\* W - Warranty , C - Certificate , D- Discount

### Terms & Conditions -

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** - Kotak Mahindra Bank Ltd.
- **Branch** - Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

## INSIZE MAKE

### OPTICAL PARALLEL

- Check the flatness and parallelism of measuring faces of micrometer

Code	Parallels included	Applicable micrometer
4184-41A	15.62mm, 15.75mm, 15.87mm, 16.00mm	0-25mm
4184-42A	40.62mm, 40.75mm, 40.87mm, 41.00mm	25-50mm
4184-43B	65.62mm, 65.75mm, 65.87mm, 66.00mm	50-75mm
4184-44B	90.62mm, 90.75mm, 90.87mm, 91.00mm	75-100mm



4184-41A

# MITUTOYO MAKE

## Optical Parallels

SERIES 157

### FEATURES

- Designed to inspect parallelism and flatness of measuring faces of micrometers.
- Each set consists of 4 thicknesses.
- Supplied with fitted carrying case.



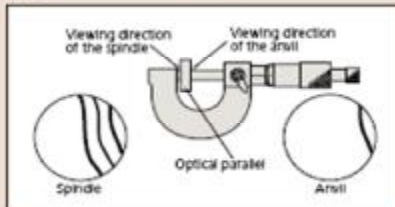
### Technical Data

Flatness: 0.1µm  
Parallelism: 0.2µm  
Diameter: 30mm

### Parallelism Check between Measuring Faces by Means of Interference Fringe Produced by an Optical Parallel

The parallelism between the measuring faces can be determined as follows: bring the optical parallel to the anvil and observe the number of interference fringes produced on the spindle side under the measuring force of the micrometers.

The parallelism is about 1µm ( $0.32\mu\text{m} \times 3 = 0.96\mu\text{m}$ ). Fringe on the anvil side must not be more than one.



### SPECIFICATIONS

Metric		
Range of micrometer to be checked	Order No.	Assortment of parallels (Thickness of parallel)
0-25mm	157-903	12.00, 12.12, 12.25, 12.37mm
25-50mm	157-904	25.00, 25.12, 25.25, 25.37mm

Inch		
Range of micrometer to be checked	Order No.	Assortment of parallels (Thickness of parallel)
0-1"	157-901	.5000", .5062", .5125", .5187"
1-2"	157-902	1.0000", 1.0062", 1.0125", 1.0187"

## Optical Flats

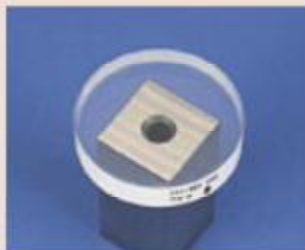
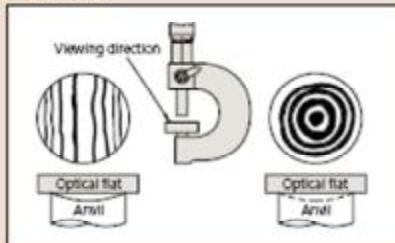
SERIES 158

### FEATURES

- Used for inspecting the flatness of micrometer's or gauge block's measuring faces with high accuracy.



### Flatness Check of Measuring Faces Using Interference Fringe Pattern Produced by an Optical Flat



### SPECIFICATIONS

Metric		
Flatness	Order No.	Diameter/Thickness
0.2µm	158-117	45mm/12mm
	158-119	60mm/15mm
0.1µm	158-118	45mm/12mm
	158-120	60mm/15mm

Inch		
Flatness	Order No.	Diameter/Thickness
.000004"	158-122	1.8"/1.5"
	158-124	2.4"/1.6"