



# 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

7	Disk / Gear Tooth Micrometer	Least Count 0 . 01 mm
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Range-mm	W	C	D %	0-25	25-50	50-75	75-100
Insize Rs.	12	N		5088	5896	6648	7869
Code				<b>3282-25</b>	<b>3282-50</b>	<b>3282-75</b>	<b>3282-100</b>
Catalog				Page No - 3	Page No - 3	Page No - 3	Page No - 3
Aerospace Rs.		N	10	1560	1940	2130	2380
M & W Rs.	6	N		2800	3300	3700	4000
Code				<b>FM 25</b>	<b>FM 50</b>	<b>FM 75</b>	<b>FM 100</b>
Catalog				Page No - 4	Page No - 4	Page No - 4	Page No - 4
Baker Rs.	12	N	15	5130	5950	6370	7430
Code				<b>MMA25 - D</b>	<b>MMA50 - D</b>	<b>MMA75 - D</b>	<b>MMA100 - D</b>
Catalog				Page - 5,6, 7	Page - 5,6, 7	Page - 5,6, 7	Page - 5,6, 7
Precision Rs.	12	Y	15	5200	5500		
Mitutoyo Rs.	12	N	5	6232	6637	7088	7520
Code				<b>123-101</b>	<b>123-102</b>	<b>123-103</b>	<b>123-104</b>
Catalog				Page No - 8	Page No - 8	Page No - 8	Page No - 8
Mitutoyo -digi	12	N	5	30494	31989		
Code				<b>369-250</b>	<b>369-251</b>		
Catalog				Page No. 9	Page No. 9		

7 - 1	Disk / Gear Tooth Micrometer	Least Count 0 . 01 mm
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Range-mm	W	C	D %	100-125	125-150	150-175	175-200
Insize Rs.	12	N		-	-	-	-
Code				<b>3282-125</b>	<b>3282-150</b>	<b>3282-175</b>	<b>3282-200</b>
Catalog				Page No - 3	Page No - 3	Page No - 3	Page No - 3
M & W	6	N		4600	5500		
Mitutoyo Rs.	12	N	5	7934	8376	9078	9519
Code				<b>123-105</b>	<b>123-106</b>	<b>123-107</b>	<b>123-108</b>
Catalog				Page No - 8	Page No - 8	Page No - 8	Page No - 8
Calibration Rs.				275	275	275	275

7 - 2	Non Rotating Spindle Disk Micrometer	Least Count 0.01 mm
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Range-mm	W	C	D %	100-125	125-150	150-175	175-200
Insize Rs.	12	N		10514	11302	12135	13032
Code				<b>3294 - 25</b>	<b>3294 - 50</b>	<b>3294 - 75</b>	<b>3294 - 100</b>
Catalog				Page No - 3	Page No - 3	Page No - 3	Page No - 3

**7 - 3 | Digital Non Rotating Spindle Disk Micrometer | Least Count 0.001 mm**

Range-mm	W	C	D %	0 – 25	25 – 50	50 – 75	75 - 100
Insize Rs.	12	N		17355	18944	20611	22801
Code				3594 – 25A	3594 – 50A	3594 – 75A	3594 – 100A
Catalog				Page No - 4	Page No – 4	Page No – 4	Page No - 4

**7 – 4 | Digital Disk Brake Micrometer | Least Count 0.001 mm**

Range-mm	W	C	D %	7.6 – 33	25 – 50
Insize Rs.	12	N		14254	15334
Code				3588 – 33A	3588 – 50A
Catalog				Page No – 3	Page No – 3

**7 - 5 | Disk Brake Micrometer | Least Count 0.01 mm**

Range-mm	W	C	D %	7.6 – 33	25 – 50
Insize Rs.	12	N		2985	4284
Code				3288 – 33A	3288 – 50A
Catalog				Page No – 4	Page No - 4

**Note:- Aerospace item once sold will not be taken back even if it is Faulty.**

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

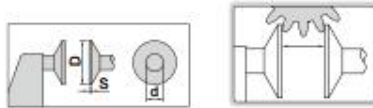
## **Terms & Conditions –**

- 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.

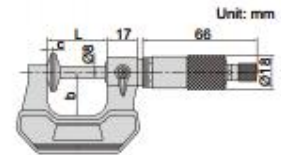
# INSIZE MAKE

## DISK MICROMETER

- Measure root tangent length of gear
- Graduation 0.01mm
- Ratchet stop
- Supplied with setting standards



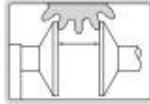
3282-25



Code	Range	Accuracy	Parallelism	L	b	c	D	S	d
3282-25	0-25mm	4µm	5µm	34	24	3.3	Ø20	0.7	Ø8
3282-50	25-50mm	4µm	5µm	59	32	3.3	Ø20	0.7	Ø8
3282-75	50-75mm	5µm	5µm	85	45	3.3	Ø20	0.7	Ø8
3282-100	75-100mm	5µm	5µm	110	57	3.3	Ø20	0.7	Ø8

### NON-ROTATING SPINDLE

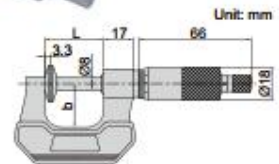
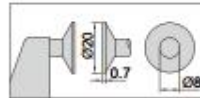
- Measure root tangent length of gear
- Graduation 0.01mm
- Non-rotating spindle
- Ratchet stop
- Supplied with setting standards



## NON-ROTATING SPINDLE DISK MICROMETER



3294-25



Code	Range	Accuracy	Parallelism	L	b
3294-25	0-25mm	4µm	5µm	34	24
3294-50	25-50mm	4µm	5µm	59	32
3294-75	50-75mm	5µm	5µm	85	45
3294-100	75-100mm	5µm	5µm	110	57

## DIGITAL DISK BRAKE MICROMETER

### IP54 WATERPROOF

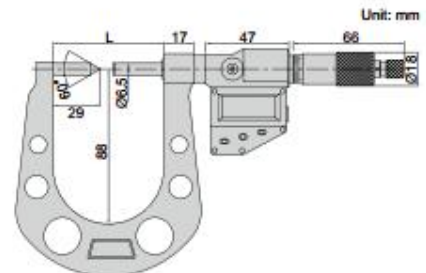
### DATA OUTPUT

- Measure thickness of disk brakes
- Resolution 0.001mm/0.00005"
- IP54 dust/waterproof
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)

RELATIVE PRODUCT: DIGITAL DISK BRAKE AND PAD CALIPER  
DIGITAL DRUM BRAKE CALIPER (CODE 1162-150A, 1167-150A, 1168-300A)



3588-33A



Code	Range	Accuracy	L
3588-33A	7.6-33mm/0.3-1.3"	±5µm	64.5
3588-50A	25-50mm/1-2"	±5µm	82

DATA  
OUTPUT

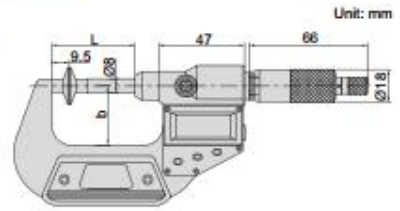
NON-ROTATING  
SPINDLE

### DIGITAL NON-ROTATING SPINDLE DISK MICROMETER

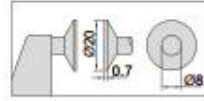
- Measure root tangent length of gear
- Resolution 0.001mm/0.00005"
- Non-rotating spindle
- Button function: on/off, set, mm/inch, ABS/INC, data output
- Data output
- LR44 battery, automatic power off
- Ratchet stop
- Supplied with setting standards
- Optional accessory: data output cable (code 7306-30, 7302-SPC2A, 7305-SPC3)



3594-25A

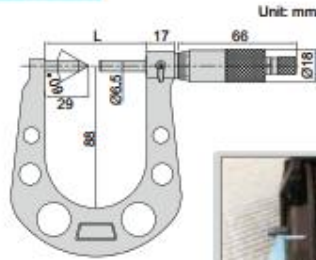


Code	Range	Accuracy	Parallelism	L	b
3594-25A	0-25mm/0-1"	±4µm	5µm	43	32
3594-50A	25-50mm/1-2"	±4µm	5µm	68	44.5
3594-75A	50-75mm/2-3"	±5µm	5µm	93	57
3594-100A	75-100mm/3-4"	±5µm	5µm	118.5	70



RELATIVE PRODUCT: DIGITAL DISK BRAKE AND PAD CALIPER  
DIGITAL DRUM BRAKE CALIPER (CODE 1162-150A, 1167-150A, 1168-300A)

- Measure thickness of disk brakes
- Graduation 0.01mm
- Ratchet stop
- Carbide measuring faces
- Supplied with setting standards



Code	Range	Accuracy	L
3288-33A	7.6-33mm	5µm	64.5
3288-50A	25-50mm	5µm	82

### DISK BRAKE MICROMETER



3288-33A

# M&W MAKE



CODE	RANGE	PRICE
FM 25	0-25 mm	2,800/-
FM 50	25-50 mm	3,300/-
FM 75	50-75 mm	3,700/-
FM 100	75-100 mm	4,000/-



# BAKER MAKE

## 2) DISC TYPE: ROTATING - HARDENED STEEL MEASURING FACES.

TYPE	RANGE	READING	₹
MMA25 - D	0 - 25 mm	0.01 mm	5130
MMA50 - D	25 - 50 mm	0.01 mm	5950
MMA75 - D	50 - 75 mm	0.01 mm	6370
MMA100 - D	75 - 100 mm	0.01 mm	7430

For measurement of root tangent length of spur & helical gears.

0.7 mm edge thickness to enter narrow recesses.

Diameter of measuring disc 19.50 mm.



**Disc Micrometer ( Rotating ) :**

**Metric**

Type	Measuring Range	Reading
MMD-25	0-25 mm	0.01 mm
MMD-50	25-50 mm	
MMD-75	50-75 mm	
MMD-100	75-100 mm	

**Inch**

Type	Measuring Range	Reading
D-IN 1	0-1 inch	0.001 inch
D-IN 2	1-2 inch	
D-IN 3	2-3 inch	
D-IN 4	3-4 inch	

**Salient Features:** Baker Make

For measurement of paper, felt, rubber, fabrics etc.

**Non-rotating spindle.**



Disc Micrometer ( Non-Rotating ) :

Metric

Inch

Type	Measuring Range	Reading
MMD-1-25	0-25 mm	0.01 mm
MMD-1-50	25-50 mm	
MMD-1-75	50-75 mm	
MMD-1-100	75-100 mm	

Type	Measuring Range	Reading
D-1-IN 1	0-1 inch	0.001 inch
D-1-IN 2	1-2 inch	
D-1-IN 3	2-3 inch	
D-1-IN 4	3-4 inch	

**MITUTOYO MAKE**

# Disk Micrometers

**SERIES 323, 223, 123**

## FEATURES

- Diameter of measuring disk: 20mm (30mm: models over 100mm)
- 0.7mm (1mm: models over 100mm) edge thickness to enter narrow recesses.
- With Ratchet Stop for constant force.
- With a standard except for 25mm model.
- With SPC output (series 323).
- The 223 series is provided with a mechanical digit counter for quick reading of measurements.



## SPECIFICATIONS

Metric	Digital model	
Range	Order No.	Accuracy
0 - 25mm	323-250	±4µm
25 - 50mm	323-251	±4µm
50 - 75mm	323-252	±6µm
75 - 100mm	323-253	±6µm

Metric	Mechanical counter model	
Range	Order No.	Accuracy
0 - 25mm	223-101	±4µm
25 - 50mm	223-102	±4µm

Metric		
Range	Order No.	Accuracy
0 - 25mm	123-101	±4µm
	123-113*	±4µm
25 - 50mm	123-102	±4µm
	123-114*	±4µm
50 - 75mm	123-103	±6µm
	123-115*	±6µm
75 - 100mm	123-104	±6µm
	123-116*	±6µm
	123-105	±7µm
125 - 150mm	123-106	±7µm
150 - 175mm	123-107	±8µm
175 - 200mm	123-108	±8µm
200 - 225mm	123-109	±8µm
225 - 250mm	123-110	±9µm
250 - 275mm	123-111	±9µm
275 - 300mm	123-112	±9µm

\*The measuring disks have carbide tips.

Inch/Metric	Digital model	
Range	Order No.	Accuracy
0 - 1"	323-350	±.0002"
1" - 2"	323-351	±.0002"
2" - 3"	323-352	±.0003"
3" - 4"	323-353	±.0003"

Inch	Mechanical counter model	
Range	Order No.	Accuracy
0 - 1"	223-125	±.0002"

Inch		
Range	Order No.	Accuracy
0 - 1"	123-125	±.0002"
1" - 2"	123-126	±.0002"
2" - 3"	123-127	±.0003"
3" - 4"	123-128	±.0003"



(Refer to the page 9 for details.)

## Technical Data

Accuracy: Refer to the list of specifications. (excluding quantizing error for digital models)  
 Resolution\*: 0.001mm or .00005"/0.001mm  
 Graduation\*\*: 0.01mm or .001"  
 Flatness: 1µm for models up to 100mm  
 1.6µm for models over 100mm  
 Parallelism: 4µm for models up to 50mm  
 (4+R/50)µm for models up to 100mm  
 (5+R/75)µm for models over 100mm,  
 R = max. range (mm) \*Fraction rounded up  
 Measurable module: 0.5 - 6 (0.7 - 11: models over 100mm)  
 Display\*: LCD  
 Battery\*: SR44 (1 pc.), 938882  
 Battery life\*: Approx. 1.2 years under normal use  
 \*Digital models \*\*Analog models

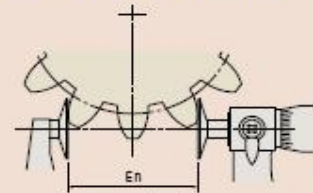
## Function of Digital Model

Origin-set, Zero-setting, Data hold, Data output, inch/mm conversion (inch/mm models), Automatic power ON/OFF  
 Alarm: Low voltage, Counting value composition error

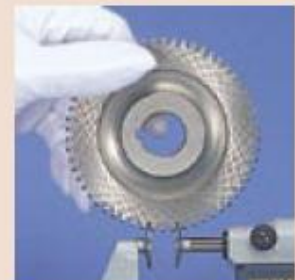
## Optional Accessory for Digital Model

- 05CZA662: SPC cable with data switch (1m)
- 05CZA663: SPC cable with data switch (2m)

## Root tangent length of gear (En)



Note: Root tangent length measurement is not available for some types gears.

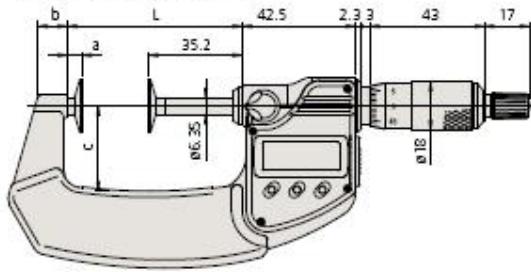




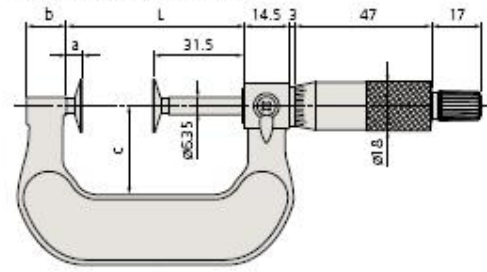
## DIMENSION

Unit: mm

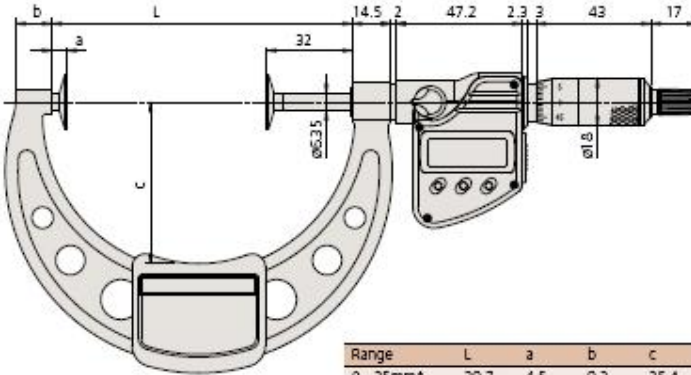
Digital models up to 75mm



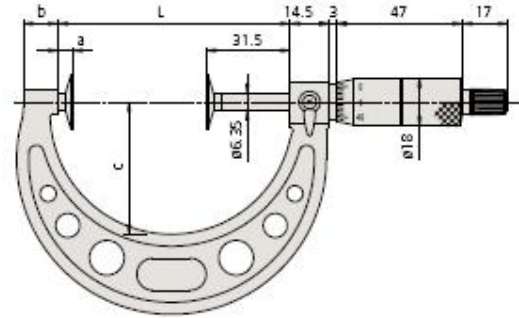
Analog models up to 50mm



Digital models up to 75mm

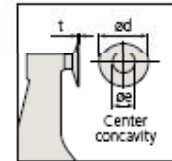


Analog over 50mm



Range	L	a	b	c	d	e	t
0 - 25mm*	39.7	4.5	9.2	25.4	20	B	0.7
25 - 50mm*	65.6	5.4	11	31.9	20	B	0.7
50 - 75mm*	90.7	5.5	12.2	50	20	B	0.7
75 - 100mm*	112.5	5.5	13.5	60.5	20	B	0.7
0 - 25mm	37.5	6	14	25	20	B (9.8)	0.7 (0.7)
25 - 50mm	62.5	6	14	32	20	B (9.8)	0.7 (0.7)
50 - 75mm	87	5.5	11	49	20	B (9.8)	0.7 (0.7)
75 - 100mm	112	5.5	11	63	20	B (9.8)	0.7 (0.7)
100 - 125mm	137.5	6	12	79	30	12	1
125 - 150mm	162.5	6	15	94	30	12	1
150 - 175mm	187.5	6	16	106	30	12	1
175 - 200mm	212.5	6	15	118	30	12	1
200 - 225mm	237.5	6	14	130	30	12	1
225 - 250mm	262.5	6	14	143	30	12	1
250 - 275mm	287.5	6	15	156	30	12	1
275 - 300mm	312.5	6	15	169	30	12	1

Data in ( ) applies to those with carbide tipped disks. \*Digital models

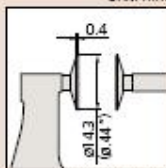


### Technical Data

Accuracy: Refer to the list of specifications  
 Graduation: 0.01mm or .001"  
 Flatness: 1µm  
 Parallelism: 3µm



Unit: mm



( ) Inch model

## Paper Thickness Micrometers

**SERIES 169 – Non-Rotating Spindle Type Designed for Paper Thickness Measurement**

### FEATURES

- Non-rotating spindle.
- With Ratchet Stop for constant force.

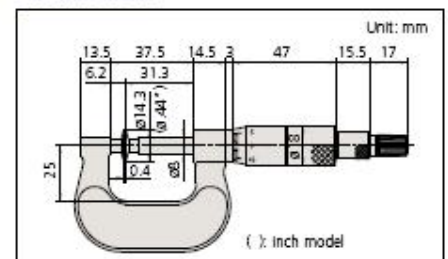


169-101

### SPECIFICATIONS

Metric		
Range	Order No.	Accuracy
0 - 25mm	169-101	±4µm

### DIMENSION



( ) Inch model

Inch		
Range	Order No.	Accuracy
0 - 1"	169-103	±.0002"