

# Micromar 40 A

## Micrometer

### FEATURES

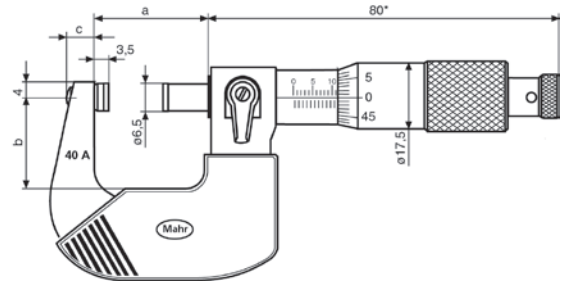
- Operating and display units with satin chrome finish
- Hard lacquered steel frame
- Spindle and anvil made of hardened steel, carbide-tipped
- Heat insulators
- Rapid drive with integrated ratchet
- Locking device
- **Package contains:** setting standard (measuring range of 25–50 mm), instruction manual, case



### TECHNICAL DATA

Order no.	Product type	Measuring range	Graduation value	Error limit	Spindle thread pitch	Standard
		mm	mm	µm	mm	
4134000	40 A	0 – 25	0.01	4	0.5	DIN 863–1
4134001	40 A	25 – 50	0.01	4	0.5	DIN 863–1
4134002	40 A	50 – 75	0.01	5	0.5	DIN 863–1
4134003	40 A	75 – 100	0.01	5	0.5	DIN 863–1
4134004	40 A	100 – 125	0.01	6	0.5	DIN 863–1
4134005	40 A	125 – 150	0.01	6	0.5	DIN 863–1
4134006	40 A	150 – 175	0.01	7	0.5	DIN 863–1
4134007	40 A	175 – 200	0.01	7	0.5	DIN 863–1

Order no.	a	b	c
	mm	mm	mm
4134000	31	25.5	7
4134001	56	34.5	12
4134002	81	47.5	12
4134003	106	58.5	13
4134004	131	71.5	13
4134005	156	83.5	13
4134006	182	95.5	13
4134007	207	108.5	13



### ACCESSORIES

Order no.	Product name	Product type
4158000	Stand, for holding outside micrometers	41 H



41 H

# Micromar 40 SA

## Micrometer

### FEATURES

- Operating and display units with satin chrome finish
- Hard lacquered steel frame
- Spindle and anvil made of hardened steel, carbide-tipped
- Heat insulators
- Rapid drive with integrated ratchet
- Locking device
- **Package contains:** instruction manual, setting values 25 mm / 75 mm, case



### TECHNICAL DATA

Order no.	Product type	Measuring range	Graduation value	Spindle thread pitch	Standard	Number of micrometers
		mm	mm	mm		
4134050	40 SA	0 –100	0.01	0.5	DIN 863–1	4
4134051	40 SA	100 –200	0.01	0.5	DIN 863–1	4

### ACCESSORIES

Order no.	Product name	Product type
4158000	Stand, for holding outside micrometers	41 H



41 H

# Micromar 40 A

## Micrometer

### FEATURES

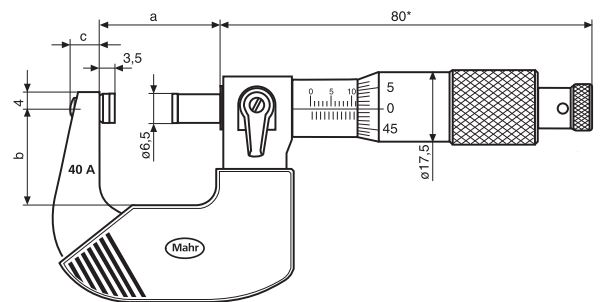
- Operating and display units with satin chrome finish
- Hard lacquered steel frame
- Spindle and anvil made of hardened steel, carbide-tipped
- Heat insulators
- Rapid drive with integrated ratchet
- Locking device
- **Package contains:** instruction manual, setting standard (from measuring range 1–2”), case



### TECHNICAL DATA

Order no.	Product type	Measuring range	Graduation value	Error limit	Micrometer pitch	Standard
		inch	inch	inch	inch	
4134900	40 A	0 – 1"	.0001"	.00016"	.025"	Factory standard
4134901	40 A	1 – 2"	.0001"	.00016"	.025"	Factory standard
4134902	40 A	2 – 3"	.0001"	.0002"	.025"	Factory standard
4134903	40 A	3 – 4"	.0001"	.0002"	.025"	Factory standard
4134904	40 A	4 – 5"	.0001"	.00024"	.025"	Factory standard
4134905	40 A	5 – 6"	.0001"	.00024"	.025"	Factory standard
4134906	40 A	6 – 7"	.0001"	.00028"	.025"	Factory standard
4134907	40 A	7 – 8"	.0001"	.00028"	.025"	Factory standard

Order no.	a	b	c
	mm	mm	mm
4134900	31	25.5	7
4134901	56	34.5	12
4134902	81	47.5	12
4134903	106	58.5	13
4134904	131	71.5	13
4134905	156	83.5	13
4134906	182	95.5	13
4134907	207	108.5	13



### ACCESSORIES

Order no.	Product name	Product type
4158000	Stand, for holding outside micrometers	41 H



41 H

# Micromar 40 AS

## Micrometer

### FEATURES

- Operating and display units with satin chrome finish
- Hard lacquered steel frame
- Spindle and anvil made of hardened steel, carbide-tipped
- Heat insulators
- Rapid drive with integrated ratchet
- Locking device
- **Package contains:** instruction manual, setting values 1" / 3", case



### TECHNICAL DATA

Order no.	Product type	Measuring range	Graduation value	Micrometer pitch	Standard
4134960	40 AS	inch 0 – 4"	inch .0001"	inch .025"	Factory standard
4134961	40 AS	4 – 8"	.0001"	.025"	Factory standard

### ACCESSORIES

Order no.	Product name	Product type
4158000	Stand, for holding outside micrometers	41 H



41 H

# Micromar 40 F / 40 FC

## Micrometer with integrated Dial Comparator

### FEATURES

- Operating and display units with satin chrome finish
- Dial comparator is integrated in frame
- Adjustable tolerance markers
- Chrome plated steel frame, heat insulated
- Retraction of the movable anvil ensures maximum wear resistance
- Spindle and anvil are carbide-tipped
- Stainless spindle is hardened throughout and ground
- Locking device
- Constant measuring force
- **Package contains:** instruction manual, case



### Application:

- Quick check of diameter of cylindrical parts (shafts, bolts, shanks)
- Thickness and length measurements
- Particularly suitable for exact series components

### TECHNICAL DATA

Order no.		4150000	4150001	4150200	4150201
Product type		40 F		40 FC	
Measuring range	mm	0 –25	25 –50	0 –25	25 –50
Measuring surface		carbide		ceramic	
Graduation value	mm	0.01			
Error limit	µm	2			
Parallelism deviation	µm	1			
Flatness deviation	µm	0.2			
Spindle thread pitch	mm	0.5			
Measuring force	N	9			
Standard		Factory standard			
Dial comparator measuring range	µm	± 65			
Graduation value	µm	1			
Error limit G <sub>e</sub>	µm	1			

Order no.	a	b	c	d	e
	mm	mm	mm	mm	mm
4150000	149	100	16	71	32
4150001	174	125	30	85	56
4150200	149	100	16	71	32
4150201	174	125	30	85	56

### ACCESSORIES

Order no.	Product name	Product type
4158000	Stand, for holding outside micrometers	41 H
4159400	Setting gage, flat (25 mm)	43 A



43 A



41 H

# Micromar 40 F

## Micrometer with Integrated Dial Comparator

### FEATURES

- Operating and display units with satin chrome finish
- Dial comparator is integrated in frame
- Adjustable tolerance markers
- Chrome plated steel frame, heat insulated
- Retraction of the movable anvil ensures maximum wear resistance
- Spindle and anvil are carbide-tipped
- Stainless spindle is hardened throughout and ground
- Locking device
- Constant measuring force
- **Package contains:** instruction manual, case



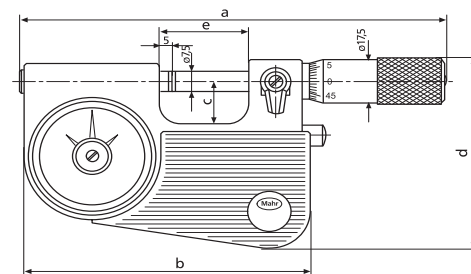
### Application:

- Quick check of diameter of cylindrical parts (shafts, bolts, shanks)
- Thickness and length measurements
- Particularly suitable for exact series components

### TECHNICAL DATA

Order no.		4150900	4150901
Product type		40 F	
Measuring range	inch	0 – 1"	1 – 2"
Graduation value	inch	.0001"	
Error limit	inch	.00008"	
Parallelism deviation	inch	.00008"	
Flatness deviation	inch	.00001"	
Micrometer pitch	inch	.025"	
Measuring force	N	9	
Standard		Factory standard	
Dial comparator measuring range	inch	± .0025"	
Dial comparator scale graduation value	inch	.00005"	
Error limit $G_e$	inch	.00005"	

Order no.	a	b	c	d	e
	mm	mm	mm	mm	mm
4150900	149	100	16	71	32
4150901	174	125	30	85	56



### ACCESSORIES

Order no.	Product name	Product type
4158000	Stand, for holding outside micrometers	41 H
4159940	Setting gage, flat (1 inch)	43 A



41 H