



The following pages show our varied line of depth micrometers. These are available with base lengths from 2-1/2-6" (63.5-150mm) and can measure depths up to 9" (225mm). They are available in electronic, mechanical digital and regular readouts.

They are also available with rotating or non-rotating blades.

The purpose of these tools is to measure the depth of holes, slots, shoulders and projections quickly and easily to .001" or 0.01mm. All heads used in our depth micrometers are accurate to ± 0.0001 " or ± 0.002 mm.

Unless otherwise noted under the individual tools, they all have these features:

- ◆ A base shape design that will automatically position the fingers so that the base is easily held in place for measuring stability
- ◆ All precision screws are ground and lapped
- ◆ All bases and rods are hardened, ground, and lapped for permanent accuracy
- ◆ All reading surfaces have a satin chrome finish that resists rust and provides a no-glare background for the sharp lines and figures
- ◆ All measuring rods are adjustable
- ◆ Quick and easy adjustment
- ◆ Starrett workmanship





Electronic Micrometer Depth Gage (with output)

No. 749 0-12" (0-300mm)

The Starrett No. 749 electronic depth micrometer has a wide 0-6" (0-150mm) range for measuring the depth of most holes, slots, shoulders and projections. The 4" (100mm) base is hardened, ground, and lapped for long-lasting precision.

Readability Features

- ◆ Large, right-sized, high-contrast LCD digital readout
- ◆ Resolution – .0001" (0.001mm)
- ◆ Inch or millimeter graduations standard
- ◆ No-glare black wrinkle finish frame
- ◆ No-glare satin chrome finish on thimble and sleeve

Ease-of-Handling Features

- ◆ Ring-type knurled lock nut
- ◆ Combination ratchet and speeder

Accuracy and Long-Life Features

- ◆ Ground and lapped one-piece spindle
- ◆ Base length 4" (100mm); rod diameter 5/32" (4mm); all measuring rods are adjustable
- ◆ Starrett designed electronic microprocessor
- ◆ One 3-volt battery furnished with over one year's normal usage
- ◆ Automatic OFF after 30 minutes of nonuse
- ◆ Starrett workmanship

Full-Function Action Features

- ◆ Instant inch/millimeter conversion
- ◆ "ME" millimeter model will turn on in the millimeter mode after installation of a new battery
- ◆ Measurement HOLD button
- ◆ Ability to zero tool at any position
- ◆ Ability to retain and return to the true zero reading of the micrometer
- ◆ PRESET button to install any reading at any position
- ◆ Ability to install minimum and maximum limits
- ◆ Output data to Starrett SPC Plus® hardware and software and to PCs
- ◆ Works well with Starrett DataSure® Wireless Data Collection Systems

Furnished in a protective case. Packed one per box with instructions.



With Standard Inch Graduations on Shell and Thimble

Catalog No.	EDP No.	Description
749BZ-6RL	65063	0-6"/0-150mm Range, with Case
749BZ-12RL	68854	0-12"/0-300mm Range, with Case

With Standard Millimeter Graduations on Shell and Thimble

749MEBZ-150	66124	0-150mm/0-6" Range, with Case
749MEBZ-300	68855	0-300mm/0-12" Range, with Case

Rods Only

Inch	Part No.	EDP No.	Millimeter	Part No.	EDP No.
0-1"	PT99486	72493	0-25mm	PT99143	66331
1-2"	PT99487	72494	25-50mm	PT99183	66332
2-3"	PT99488	72495	50-75mm	PT99190	66333
3-4"	PT99489	72496	75-100mm	PT99266	66334
4-5"	PT99490	72497	100-125mm	PT99267	66335
5-6"	PT99491	72498	125-150mm	PT99268	66336
6-7"	PT99457	11626	150-175mm	PT99531	11632
7-8"	PT99458	11627	175-200mm	PT99532	11633
8-9"	PT99459	11628	200-225mm	PT99533	11634
9-10"	PT99460	11629	225-250mm	PT99534	11635
10-11"	PT99461	11630	250-275mm	PT99535	11636
11-12"	PT99462	11631	275-300mm	PT99536	11637

Cable Information

Part No.	EDP No.	Description
PT61963	66636	Computer Interface Cable Complete to PC (RS232C)
PT61768	66454	Adaptor from No. PT22938 Cable to PC (RS232C)
PT22938	64059	Shielded Cable to Nos. 761/772 Series Starrett Modules and No. PT61768 Adaptor
PT61120	65446	One 3-Volt Battery No. CR2450



Digital Micrometer Depth Gages

No. 446 Series 0-6"

**No. 446M Series
0-150mm**

These are the Starrett mechanical digital depth micrometers – simple to use even by the inexperienced. Besides those listed on the lead page of this section, this tool has these additional features:

- ◆ Clear, easily read white numbers on black background reduce errors
- ◆ No-glare black finish on the frame
- ◆ .001" or 0.01mm is read directly from the counter
- ◆ Ring-type knurled lock nut for quick and sure locking
- ◆ Combination ratchet and speeder for uniform pressure and quicker adjustment
- ◆ Hardened, ground, and lapped base is 3" (75mm) long
- ◆ Measuring rods are 5/32" (4mm) diameter and are adjustable



Micrometer, rods and wrenches in case.

Graduation – .001"

Range	No. Rods	Description	Catalog No.	EDP No.
0-3"	3	Ratchet Stop, Lock Nut, in Case	446AZ-3RL	56288
0-6"	6	Ratchet Stop, Lock Nut, in Case	446AZ-6RL	56289

Graduation – 0.01mm

0-75mm	3	Ratchet Stop, Lock Nut, in Case	446MAZ-75RL	56294
0-150mm	6	Ratchet Stop, Lock Nut, in Case	446MAZ-150RL	56295

Rods Only

For 446 Series (Inch)			For 446M Series (Millimeter)		
Size	Part No.	EDP No.	Size	Part No.	EDP No.
0-1"	PT99381	72211	0-25mm	PT99391	72217
1-2"	PT99382	72212	25-50mm	PT99392	72218
2-3"	PT99383	72213	50-75mm	PT99393	72219
3-4"	PT99384	72214	75-100mm	PT99394	72220
4-5"	PT99385	72215	100-125mm	PT99395	72221
5-6"	PT99386	72216	125-150mm	PT99396	72222

Furnished in an attractive, protective case.



**Micrometer Depth
Gages with
non-rotating blades**

No. 449 Series 0-6"

No. 449M Series 0-150mm

The 449 Series features non-rotating, blade-type rods approximately .045" thick x 1/8" wide (1.2 x 3.2mm).

By holding the base in one hand, the blade can be turned with the fingers and positioned at any angle relative to the base. In operation, the blade does not turn, but moves perpendicularly only, permitting depth measurement of narrow shoulders without the blade rolling off. This is also ideal for slots and recesses as narrow as .045" (1.2mm). Furnished with a 2-1/2" (63mm) or a 4" (100mm) base.

Also available with 3 rods for measuring 0-3" (0-75mm), or 6 rods for measuring 0-6" (0-150mm) in thousandths of an inch or 0.01mm.

This tool comes with the combination ratchet and speeder for uniform pressure and quicker adjustment.



Measuring depth of narrow slot with the No. 449A-3R.

Graduation – .001"

Range	Base Length	No. Rods	Rod Size	Catalog No.	EDP No.
0-3"	2-1/2"	3	.045 x 1/8"	449AZ-3R	52318
0-6"	2-1/2"	6		449AZ-6R	52320
0-3"	4"	3		449BZ-3R	52322
0-6"	4"	6		449BZ-6R	52324

Graduation – 0.01mm

Range	Base Length	No. Rods	Rod Size	Catalog No.	EDP No.
0-75mm	63.5mm	3	1.2 x 3.2mm	449MAZ-75R	56636
0-150mm	63.5mm	6		449MAZ-150R	56637
0-75mm	100mm	3		449MBZ-75R	56638
0-150mm	100mm	6		449MBZ-150R	56639

Rods Only

For 449 Series (Inch)			For 449M Series (Millimeter)		
Size	Part No.	EDP No.	Size	Part No.	EDP No.
0-1"	PT99115	71838	0-25mm	PT99306	72476
1-2"	PT99116	71839	25-50mm	PT99307	72477
2-3"	PT99117	71840	50-75mm	PT99308	72478
3-4"	PT99118	71841	75-100mm	PT99309	72479
4-5"	PT99119	71842	100-125mm	PT99310	72480
5-6"	PT99120	71843	125-150mm	PT99311	72481

Longer rods are available by special order.

Furnished in an attractive, protective case.



No. 440 Series 0-9"
No. 440M Series
0-225mm

No. 445 Series 0-12"
No. 445M Series
0-225mm

The depths of holes, slots, shoulders and projections can be measured to .001" or 0.01mm with these fine tools.

The No. 440 gages are furnished with a 2-1/2" (63.5mm) base and 1/8" (3.2mm) diameter measuring rods.*

The No. 445 gages are furnished with choices of 3" (75mm), 4" (100mm), and 6" (150mm) bases and have 5/32" (4mm) diameter measuring rods.*

Besides the features listed on the lead page of this section, there are these additional features:

- ◆ The combination ratchet and speeder for uniform pressure and quicker adjustment
- ◆ Ring-type lock nut for quick and sure locking



Graduation – .001"

Range	Base	No. Rods*	Rod Dia.	Description	Catalog No.	EDP No.
0-3"	2-1/2"	3	1/8"	With Lock Nut, in Case	440Z-3L	52113
0-6"		6			440Z-6L	52117
0-9"		9			440Z-9L	52121
0-3"	2-1/2"	3	1/8"	With Ratchet Stop, Lock Nut, in Case	440Z-3RL	52115
0-6"		6			440Z-6RL	52119
0-9"		9			440Z-9RL	52123
0-3"	3"	3	5/32"		445AZ-3RL	52208
0-6"		6			445AZ-6RL	52212
0-9"		9			445AZ-9RL	52216
0-12"		12			445AZ-12RL	67117
0-3"	4"	3	5/32"	With Ratchet Stop, Lock Nut, in Case	445BZ-3RL	52220
0-6"		6			445BZ-6RL	52224
0-9"		9			445BZ-9RL	52228
0-12"		12			445BZ-12RL	67118
0-3"	6"	3	5/32"		445DZ-3RL	52244
0-6"		6			445DZ-6RL	52248
0-9"		9			445DZ-9RL	52252
0-12"		12			445DZ-12RL	67119

Graduation – 0.01mm

0-75mm	63.5mm	3	3.2mm	With Ratchet Stop, Lock Nut, in Case	440MZ-75RL	52116
0-150mm		6			440MZ-150RL	52120
0-225mm		9			440MZ-225RL	52124
0-75mm	75mm	3	4mm		445MAZ-75RL	52209
0-150mm		6			445MAZ-150RL	52213
0-225mm		9			445MAZ-225RL	52217
0-75mm	100mm	3	4mm	With Ratchet Stop, Lock Nut, in Case	445MBZ-75RL	52221
0-150mm		6			445MBZ-150RL	52225
0-225mm		9			445MBZ-225RL	52229
0-75mm	150mm	3	4mm		445MDZ-75RL	52245
0-150mm		6			445MDZ-150RL	52249
0-225mm		9			445MDZ-225RL	52253



Measuring the depth of a shoulder with the No. 445AZ-3RL.

Furnished in an attractive, protective case.

* For information on rods only, see next page.



**Micrometer Depth Gages
with half base**

No. 443 Series 0-9"

This tool is exactly like the No. 445 Series except that it has a half base. The 2" (50mm) half base permits measuring depths of holes and slots close to shoulders and between obstructions. Rods have individual length adjustment and are 5/32" (4mm) in diameter.



Range	No. of Rods	Graduation	Description	Catalog No.	EDP No.
0-3"	3	.001"	Ratchet Stop, Lock Nut, in Case	443Z-3RL	52171
0-6"	6			443Z-6RL	52173
0-9"	9			443Z-9RL	52175

Furnished in an attractive, protective case.

Rods Only for Nos. 440, 443 and 445 Series Micrometer Depth Gages

Inch Reading

Size	440 Series		443, 445 Series	
	Part No.	EDP No.	Part No.	EDP No.
0-1"	PT99331	71973	PT99341	71982
1-2"	PT99332	71974	PT99342	71983
2-3"	PT99333	71975	PT99343	71984
3-4"	PT99334	71976	PT99344	71985
4-5"	PT99335	71977	PT99345	71986
5-6"	PT99336	71978	PT99346	71987
6-7"	PT99337	71979	PT99347	71988
7-8"	PT99338	71980	PT99348	71989
8-9"	PT99339	71981	PT99349	71990
9-10"			PT99358	66673
10-11"			PT99359	66674
11-12"			PT99360	66675

Millimeter Reading

Size	440M Series		445M Series	
	Part No.	EDP	Part No.	EDP No.
0-25mm	PT99361	72193	PT99371	72202
25-50mm	PT99362	72194	PT99372	72203
50-75mm	PT99363	72195	PT99373	72204
75-100mm	PT99364	72196	PT99374	72205
100-125mm	PT99365	72197	PT99375	72206
125-150mm	PT99366	72198	PT99376	72207
150-175mm	PT99367	72199	PT99377	72208
175-200mm	PT99368	72200	PT99378	72209
200-225mm	PT99369	72201	PT99379	72210

Longer rods are available by special order.