

DEPTH GAGES

DIAL DEPTH GAGES

These depth gages are direct reading tools, referencing from their hardened and ground bases. All bases are 2-1/2" (64mm) long. They are quicker and more convenient to use than any other type of depth gage within their ranges and accuracy. Electronic Indicators can be furnished by special order.

640, 640M DIAL DEPTH GAGES

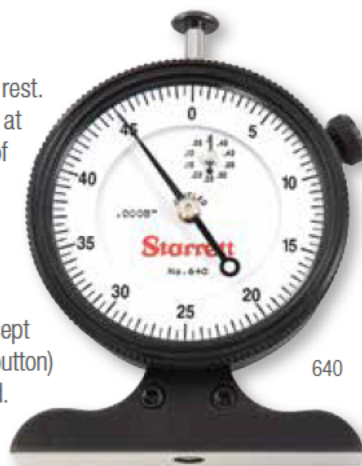
0-1/2"/0-10MM

640 DIAL DEPTH GAGES

The contact is slightly up into the base at rest. In action, the inspector sets the contact at zero, which is usually at the bottom of the base. Then the top button is pushed down to contact the work and the measurement is taken.

640R DIAL DEPTH GAGES

These gages are the same as the 640 except they have reverse movement (no push button) and can easily be used with one hand. Simply set on zero and apply the contact to the work and read the measurement.



640 Dial Depth Gages

In Case Cat. No.	EDP	Range	Graduation	Dial Reading
640JZ	52705	0-1/2"	.0005"	0-50
640RJZ	52709	0-1/2"	.0005"	0-50
640MJZ	55997	0-10mm	0.01mm	0-100
640MRJZ	56001	0-10mm	0.01mm	0-100

643 DIAL DEPTH GAGE

0-.125"

This gage has a knife-edge base and a needle point contact which has been hardened and ground. The knife-edge base has a cutout so the conical point can be precisely positioned for close work. Point is 1/2" (12.7mm) long with a 40° included angle.

In action, the inspector gently pushes against a surface plate or other calibrated surface. If needed, rotate the bezel dial's zero indication with the needle. Zero is then set and can be locked via the locking screw.



643 Dial Depth Gages

In Case Cat. No.	EDP	Without Case Cat. No.	EDP	Range	Graduation	Dial Reading
643JZ	52714	643J	52715	0-.125"	.0005"	0-25-0

Electronic version available from Special Order Division.



DEPTH GAGES

644, 644M DIAL DEPTH GAGES

0-3"/0-75MM

These gages are for longer ranges, and are accurate and simple to use. Put the contact on the work to be measured and push the gage head down until the base stops at the reference point and take your reading.

Furnished with three rounded-end contact points to cover the range. Flat end contact points are also available on special order.

The zero setting can be checked with the shortest contact in place by pushing down on a flat surface.

644 Dial Depth Gages						
In Case		Without Case		Range	Graduation	Dial Reading
Cat. No.	EDP	Cat. No.	EDP			
644JZ	52718	644J	52719	0-3"	.001"	0-100
644MJZ	56027	644MJ	56028	0-75mm	0.01mm	0-100

648 DEPTH GAGE BASES

Depth gage base with 25SC38 Stem Collet to fit 3/8" (9.5mm) stem dia. (as per AGD). Split bushings for adapting stem diameter are available but not included.

648 Depth Gage Bases		
Cat. No.	EDP	Base Size
648-4	65850	4" (100mm)
648-6	65851	6" (150mm)
648-8	65852	8" (200mm)



648 Depth Gage Bases will also accommodate the 644 Dial Depth Gage.

DEPTH GAGES

642, 642M TOP READING DIAL DEPTH GAGES

0-8.6"/0-215MM

This dial depth gage uses the back-plunger indicator to provide an upward-facing dial for easier readout. The operator selects the extension and contact point required, zeros the tool on a master and then reads any deviation of the work directly on the dial.

- Indicator does not have to be repositioned to get the full range available
- Choice of 2-1/2" (60mm) or 4" (100mm) base
- Two contacts and five extensions extend the range to 8.6" or 215mm
- Charts are supplied showing combinations of contacts and extensions required to achieve certain lengths



Above: 642AZ side view
Below: top view



642 Top Reading Dial Depth Gages*

Cat. No.	EDP	Range	Graduation	Dial Indicator Range	Approx. Base Length
642Z	65103	0-8.6"	.001"	.200"	2-1/2"
642AZ	65104	0-8.6"	.001"	.200"	4"
642MZ	65105	0-215mm	0.01mm	5mm	60mm
642MAZ	65106	0-215mm	0.01mm	5mm	100mm

*With maximum extension added and contact options

