

Telescopic Gauges

CODE	BRAND	MODEL	SIZE
MT155-121	Mitutoyo	155-121	5/16" - 1/2"
MT155-122	Mitutoyo	155-122	1/2" - 3/4"
MT155-123	Mitutoyo	155-123	3/4" - 1-1/4"
MT155-124	Mitutoyo	155-124	1-1/4" - 2-1/4"
MT155-125	Mitutoyo	155-125	2-1/4" - 3-1/2"
MT155-126	Mitutoyo	155-126	3-1/2" - 6"
MT155-127	Mitutoyo	155-127	8 - 12.7mm
MT155-128	Mitutoyo	155-128	12.7 - 19mm
MT155-129	Mitutoyo	155-129	19 - 32mm
MT155-130	Mitutoyo	155-130	32 - 54mm
MT155-131	Mitutoyo	155-131	54 - 90mm
MT155-132	Mitutoyo	155-132	90 - 150mm
MT155-903	Mitutoyo	155-903	5/16" - 6" (6pc Set 5/16"-1/2", 1/2"-3/4", 3/4"-1-1/4", 1-1/4"-2-1/8", 2-1/8"-3-1/2", 3-1/2"-6")
MT155-904	Mitutoyo	155-904	1/2" - 6" (5pc Set 1/2"-3/4", 3/4"-1-1/4", 1-1/4"-2-1/8", 2-1/8"-3-1/2", 3-1/2"-6")
MT155-905	Mitutoyo	155-905	8 - 150mm (6pc Set 8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm)
MT155-907	Mitutoyo	155-907	5/16" - 2-1/8" (4pc Set 5/16"-1/2", 1/2"-3/4", 3/4"-1-1/4", 1-1/4"-2-1/8")
TS4830320	Insize	4206-1	8 - 150mm (6pc Set 8-12.7mm, 12.7-19mm, 19-32mm, 32-54mm, 54-90mm, 90-150mm)

Telescopic gauges are precision hand tools used to **measure internal diameters of bores, holes, and slots** where direct measurement with calipers or micrometers is not possible. They operate as a **transfer gauge**, capturing the internal size which is then measured externally using a micrometer.

The gauge's spring-loaded measuring ends are compressed, inserted into the bore, and then released to expand against the internal walls. Once locked in position, the gauge is removed and measured to determine the internal dimension. This method allows accurate measurement of **straight bores, stepped bores, and recessed features**.

Telescopic gauges are commonly used in machining, inspection, and maintenance work for **quick and reliable internal measurements**, particularly in situations where access is limited. Mitutoyo and Insize telescopic gauges are manufactured for consistent expansion, smooth locking action, and dimensional stability, making them suitable for workshop and production inspection use.