

Thread Taper

External Taper Gages

Gagemaker's external taper gages inspect variation in connection taper. External taper gages are shipped with .072" diameter contact points as standard. Refer to page 124 for the proper contact point for your particular connection. All indicators are .001" resolution, but higher resolution indicators are available for some models.

Model	Description	Range	Model	Description	Range
ET-7001	External Taper, ½" travel	0" - 6"	ET-7005	External Taper, 1" travel	0" - 16"
ET-7002	External Taper, ½" travel	0" - 10"	ET-7006	External Taper, ½" travel	16" - 24"
ET-7003	External Taper, 1" travel	0" - 10"	ET-7007	External Taper, 1" travel	16" - 24"
ET-7004	External Taper, ½" travel	0" - 16"			

Internal Taper Gages

Gagemaker's internal taper gages measure variation in connection taper. Taper gages are shipped with our standard set of .072" diameter contact points (T072), unless specified otherwise. Refer to the contact point page 124 for the proper contact points for your particular connections. IT-6001 includes one set of extension rods up to 13¾". Higher resolution indicators are available.

Model	Description	Range	Travel	Resolution
IT-6000	Internal Taper Gage	4¼" Depth, 1½" - 9" Diameter	1"	.001"
IT-6001	Internal Taper Gage	Any Depth, 5" - 13¾" API Sizes	½"	.001"
IT-6001-VM	Internal Taper Gage	Any Depth, 3½" Diameter	¼"	.001"

IT-6000 Replacement Parts

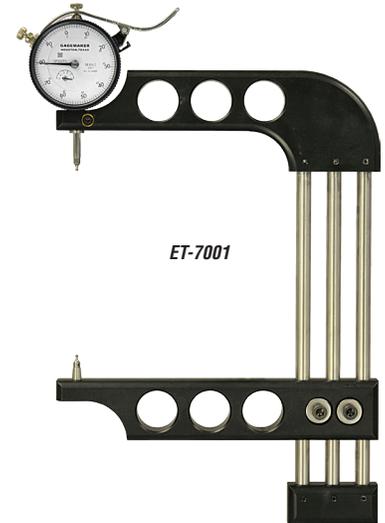
Model	Description	Length
IT-6000-07	Replacement Arm Set	4¼"

IT-6001 Replacement Parts (Extensions have #10-40 threads)

Model	Description	Length	Model	Description	Length
IT-6001-01M	Cap- Mitutoyo Indicator	-	IT-6001-13	Extension rod, 9⅝" Connection	4.643"
IT-6001-04	Point Adapter	.062"	IT-6001-14	Extension rod, 10¼" Connection	5.768"
IT-6001-06	Extension rod, 5" Connection	.200"	IT-6001-15	Extension rod, 11¾" Connection	6.768"
IT-6001-07	Extension rod, 5½" Connection	.523"	IT-6001-16	Extension rod, 13¾" Connection	8.393"
IT-6001-09	Extension rod, 6⅝" Connection	1.643"	IT-6001-17	Extension rod, 16" Connection	11.018"
IT-6001-10	Extension rod, 7" Connection	2.023"	IT-6001-18	Extension rod, 18⅝" Connection	13.643"
IT-6001-11	Extension rod, 7⅝" Connection	2.643"	IT-6001-19	Extension rod, 20" Connection	15.018"
IT-6001-12	Extension rod, 8⅝" Connection	3.643"			

IT-6001-VM Replacement Parts

Model	Description	Minimum Bore
IT-6001-01-VM	Short Cap	3.4275"



ET-7001



IT-6000



IT-6001 and Extension Rods



Functional Size

External Functional Size Thread Inspection Gages (1/8" to 24" Diameters)

These functional thread inspection, or "GO/NO GO" gages, measure external thread diameters. The gages are adjustable within a size range and use interchangeable thread rolls to measure different pitch threads. Setting dimensions for the functional pitch diameter gages are provided by the TDWIN Thread Disk™ software. **The software (see page 129) and thread rolls (see page 117) are sold separately.** Indicators have a 1/2" travel and .0005" resolution, and higher resolutions are available.

Model	Description	Range
RG-7000	External Thread Roll Gage	5/8" - 4" (15.9 mm - 101.6 mm)
RG-7001	External Thread Roll Gage	4" - 8" (101.6 mm - 203.2 mm)
RG-7002	External Thread Roll Gage	8" - 12" (203.2 mm - 304.8 mm)
RG-7003	External Thread Roll Gage	12" - 16" (304.8 mm - 406.4 mm)
RG-7004	External Thread Roll Gage	16" - 20" (406.4 mm - 508 mm)
RG-7005	External Thread Roll Gage	20" - 24" (508 mm - 609.6 mm)
RG-LAA	Lower Adjustment Arm	

Internal Functional Size Thread Inspection Gages (1 1/2" to 24" Diameters)

Gagemaker also manufactures functional thread inspection gages that inspect internal threads. The gages are adjustable within a size range and use interchangeable thread rolls to measure different pitch threads. Indicators have a 1/2" travel and .0005" resolution, and higher resolutions are available. **Thread roll sets not included.** See page 117 for thread rolls.

Model	Description	Range
PG-6000	Internal Thread Roll Gage, 2 1/2" reach	1 1/2" - 9" (38 mm - 228.6 mm)
PG-6001	Internal Thread Roll Gage, 2 1/2" reach	9" - 16" (228.6 mm - 406.4 mm)
PG-6002	Internal Thread Roll Gage, 2 1/2" reach	16" - 24" (406.4 mm - 609.6 mm)
PG-6003	Internal Thread Roll Gage, 2 1/2" reach	24" - 32" (609.6 mm - 812.8 mm)
PG-6000-SA	Replacement Arm Set	2 1/2" reach
PG-6000-XA	Extended Reach Arm Set	4 1/2" reach
PG-6000-17	Locking T-nut for Arms	

Deep Bore Internal Functional Size

The DPG-6000 gage inspects diameters of internal threads using thread rolls. This functional diameter gage inspects the effects of all thread element variations and reports any deviations. Available in three different sizes, 12", 18", and 24". Custom sizing may be available. **All thread rolls are sold separately.** See page 117 for thread rolls.

Model	Description	Range
DPG-6500	Deep bore thread roll gage assembly for 4 pitch and finer threads only. Includes DPG -A1 Extension Arm	2.970" - 4.400" dia.
DPG-A1	Diameter Extension Arms	2.970" to 4.400" dia.
DPG-A2	Diameter Extension Arms	4.225" to 5.150" dia.
DPG-A3	Diameter Extension Arms	5.025" to 5.950" dia.
DPG-A4	Diameter Extension Arms	5.825" to 6.750" dia.
DPG-A5	Diameter Extension Arms	6.625" to 7.550" dia.
DPG-A6	Diameter Extension Arms	7.425" to 8.350" dia.
DPG-A7	Diameter Extension Arms	8.225" to 9.150" dia.
DPG-A8	Diameter Extension Arms	9.025" to 9.950" dia.
DPG-A9	Diameter Extension Arms	9.825" to 10.750" dia.
DPG-A10	Diameter Extension Arms	10.625" to 11.550" dia.
DPG-A11	Diameter Extension Arms	11.425" to 12.350" dia.

