

Thread Diameter Measurement Gages

Pitch Diameter

PD-6000 Series

PD-8000 Series



**PD-6000 Series
Thread Diameter Gages**



**PD-8000 Series
Thread Diameter Gage**



Measures Internal Diameters



Measures External Diameters

HOW TO ORDER

1. Select the PD-6000 (internal threads) or PD-8000 (external threads) series gage model, based on the range of diameters being measured.
2. Select the contact point model, based on the thread form (not included in price of gage and sold individually). Specify the pitch.

The PD-6000 Series gages inspect pitch diameters of internal threads and the PD-8000 Series gages measure pitch diameters of external threads. Before inspecting parts, the gages must be preset to a nominal predetermined dimension using gage blocks, micrometers, or Gagemaker's MIC TRAC measurement center. To ensure maximum accuracy, the gages use matched sets of precision contact points that seat at the pitch line of the part during inspection. The contact points are interchangeable to allow measuring different thread pitches. Contact point diameters are manufactured to tolerances of $\pm .0002$ " and measurements are based on the proven three wire inspection method and technique. Contact points for common pitches ranging from 1 TPI – 18 TPI of the UN Series, ACME, Stub ACME, and 7X45 Buttress and 1.5 mm – 4 mm of the ISO Metric thread rolls are in stock. Special sizes available upon request. All contact points are sold individually and are not included in the price of the gage.

Features

- Measures internal or external threads for a range of pitch diameters (see tables below for ranges available)
- Uses interchangeable contact points for measurement of different thread pitches
- Replaces conventional ring and plug gages by providing actual diameter readings
- Eliminates unnecessary damage to threads caused by ring and plug gages
- Allows use in a manufacturing or field environment due to durable construction
- Requires presetting using gage blocks, micrometers, or Gagemaker's MIC TRAC measurement center

PD-6000 Series Gages (Internal Diameters)

Model No.	Description	Range	Price
SPG-6000	Internal Pitch Diameter Gage, 1" reach	5/8" – 1 1/2" (15.9 mm – 38.1 mm)	747.00
PD-6000	Internal Pitch Diameter Gage, "V" & ACME	1 1/2" – 9" (38 mm – 228.6 mm)	749.00
PD-6001	Internal Pitch Diameter Gage	6" – 24" (152.4 mm – 609.6 mm)	459.00

PD-8000 Series Gages (External Diameters)

Model No.	Description	Range	Price
PD-8001	External Pitch Diameter Gage	0" – 6" (0 mm – 152.4 mm)	495.00
PD-8002	External Pitch Diameter Gage	6" – 12" (152.4 mm – 304.8 mm)	598.00
PD-8004	External Pitch Diameter Gage	12" – 16" (304.8 mm – 406.4 mm)	650.00
PD-8006	External Pitch Diameter Gage	16" – 20" (406.4 mm – 508 mm)	797.00
PD-8008	External Pitch Diameter Gage	20" – 24" (508 mm – 609.6 mm)	890.00
PD-8010	External Pitch Diameter Gage	24" – 28" (609.6 mm – 711.2 mm)	1260.00
PD-8012	External Pitch Diameter Gage	28" – 36" (711.2 mm – 914.4 mm)	1370.00
PD-8013	External Pitch Diameter Gage	36" – 48" (914.4 mm – 1219.2 mm)	CALL

PG-6000 and RG-7000 Contact Points (Sold Individually)



UN Series Contact Points

These contact points inspect the pitch diameter of machined parts with 60° "V" thread forms. Sold individually. Two required per gage.

Model No.	Description	Price Each	Model No.	Description	Price Each
T562	1 pitch internal 60° "V"	27.75	T096	6 pitch external 60° "V"	15.75
T288	2 pitch internal 60° "V"	27.75	T072	8 pitch external 60° "V"	15.75
T188	3 pitch internal 60° "V"	17.75	T057	10 pitch external 60° "V"	15.75
T188	3.5 pitch internal 60° "V"	17.75	T050	11.5 pitch external 60° "V"	15.75
T144	4 pitch internal 60° "V"	15.75	T050	12 pitch external 60° "V"	15.75
T128	4.5 pitch internal 60° "V"	15.75	T041	14 pitch external 60° "V"	15.75
T115	5 pitch internal 60° "V"	15.75	T041	16 pitch external 60° "V"	15.75
T105	5.5 pitch internal 60° "V"	15.75	T032	18 pitch external 60° "V"	15.75



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ACME and Stub ACME Contact Points

These contact points inspect the pitch diameter of machine threaded parts with 29° ACME and Stub ACME thread forms. Sold individually. Two required per gage.

Model No.	Description	Price Each	Model No.	Description	Price Each
T531T	1 pitch ACME or Stub ACME	48.50	T105T	5 pitch ACME or Stub ACME	27.75
T344T	1.5 pitch ACME or Stub ACME	34.50	T090T	6,7 pitch ACME or Stub ACME	27.75
T266T	2 pitch ACME or Stub ACME	34.50	T062T	8 pitch ACME or Stub ACME	27.75
T219T	2.5 pitch ACME or Stub ACME	34.50	T050T	10 pitch ACME or Stub ACME	27.75
T188T	3 pitch ACME or Stub ACME	34.50	T041T	12 pitch ACME or Stub ACME	27.75
T144T	3.5 pitch ACME or Stub ACME	27.75	T041T	14 pitch ACME or Stub ACME	27.75
T128T	4 pitch ACME or Stub ACME	27.75	T032T	16 pitch ACME or Stub ACME	27.75

7° X 45° Buttress Series Contact Points

These contact points inspect the pitch diameter of machine threaded parts with 7° X 45° Buttress thread forms. Sold individually. Two required per gage.

Model No.	Description	Price Each	Model No.	Description	Price Each
T562	1 pitch 7° X 45° Buttress	27.75	T115	5 pitch 7° X 45° Buttress	15.75
T437	1.25 pitch 7° X 45° Buttress	27.75	T096	6 pitch 7° X 45° Buttress	15.75
T375	1.5 pitch 7° X 45° Buttress	27.75	T072	8 pitch 7° X 45° Buttress	15.75
T281	2 pitch 7° X 45° Buttress	27.75	T057	10 pitch 7° X 45° Buttress	15.75
T219	2.5 pitch 7° X 45° Buttress	27.75	T050	12 pitch 7° X 45° Buttress	15.75
T188	3 pitch 7° X 45° Buttress	17.75	T032	16 pitch 7° X 45° Buttress	15.75
T156	3.5 pitch 7° X 45° Buttress	15.75	T032	18 pitch 7° X 45° Buttress	15.75
T144	4 pitch 7° X 45° Buttress	15.75			

ISO Metric Series Contact Points

These contact points inspect the pitch diameter of machine threaded parts with ISO Metric 60° "V" thread forms. Sold individually. Two required per gage.

Model No.	Description	Price Each
T096	4 mm pitch 60° "V"	15.75
T072	3.5 mm pitch 60° "V"	15.75
T072	3 mm pitch 60° "V"	15.75
T057	2.5 mm pitch 60° "V"	15.75
T041	2 mm pitch 60° "V"	15.75
T041	1.75 mm pitch 60° "V"	15.75
T041	1.5 mm pitch 60° "V"	15.75

PD-6000 Series Optional Equipment

Model No.	Description	Price
PD-6001-24E	Internal Pitch Diameter Extension Rod, 24" range	97.00
PD-6001-36E	Internal Pitch Diameter Extension Rod, 36" range	105.00
SPR-BASE	Bench Mount Stand for SPG-6000 Gage	169.00

Extension Rods



Bench Mount Stand

