

Pitch Diameter and Ovality Gages Tapered Threads

MRP-1000 Series
MRP-2000 Series
MRP-3000 Series



MRP-1000
Pitch Diameter Gage



MRP-2000
Pitch Diameter Gage



MRP-3000
Pitch Diameter Gage



MRP Measuring External Diameter

HOW TO ORDER

1. Select the 1000, 2000, or 3000 Series gage model, based on the size of connectors being measured
2. Select the thread shoe model, based on the pitch of the thread form
3. Select the setting standard: Rod Style, Round/Frame Style, Setbar setting standards or MIC TRAC are available.

The MRP 1000, 2000 and 3000 series of gages measures internal and external pitch diameters of tapered threaded connectors. These gages use two pivoting thread shoes that rest on the crests of the threads. Thread shoes are manufactured from hardened steel to resist wear. Shoes should reach across a minimum of three thread crests during inspection. Any variations in pitch diameter detected are shown on the gage's indicator. The MRP gages must be preset to size before inspecting parts, and a variety of setting standards are available (refer to the appropriate setting standards price sheet for MRP Series Gages).

Features

- Measures internal and external pitch diameters of tapered threads for a range of diameters.
- Replaces conventional ring and plug gages.
- Eliminates wear on threads caused by ring and plug gages.
- Incorporates a very durable construction for use in a manufacturing or field environment.
- Requires presetting using setting standards or Gagemaker's MIC TRAC measurement center.

MRP-1000, 2000, and 3000 Series Gages

Model No.	Description	Range
MRP-1000	Internal/External Pitch Diameter Gage	Internal 1 1/2" – 4 1/2" External 1 1/2" – 4 1/2"
MRP-2001	External Pitch Diameter Gage, 4 1/2" reach	External 2 3/8" – 20"
MRP-2001-7	External Pitch Diameter Gage, 7" reach	
MRP-2001-10	External Pitch Diameter Gage, 10" reach	
MRP-2002	Internal Pitch Diameter Gage, 4 1/4" reach	Internal 2 3/8" – 20"
MRP-2002-7	Internal Pitch Diameter Gage, 7" reach	
MRP-2002-10	Internal Pitch Diameter Gage, 10" reach	
MRP-2003	Internal/External Pitch Diameter Gage, 4 1/2" reach	Internal 2 3/8" – 20" External 2 3/8" – 20"
MRP-2003-7	Internal/External Pitch Diameter Gage, 7" reach	
MRP-2003-10	Internal/External Pitch Diameter Gage, 10" reach	
MRP-3001	External Pitch Diameter Gage, 3 3/8" reach	External 8 5/8" – 24"
MRP-3002	Internal Pitch Diameter Gage, 3 3/8" reach	Internal 8 5/8" – 24"
MRP-3003	Internal/External Pitch Diameter Gage, 3 3/8" reach	Internal 8 5/8" – 24" External 8 5/8" – 24"
MRP-3004	Internal/External Pitch Diameter Gage, 3 3/8" reach	Internal 20" – 36" External 20" – 36"

MRP-1000, 2000, and 3000 Series Gage Thread Shoes

Model No.	Description
MRP-.625I	Internal Thread Shoe, 5/8" long, .125 Pivot Dimension
MRP-.625E	External Thread Shoe, 5/8" long, .250 Pivot Dimension
MRP-.875	Internal/External Thread Shoe, 7/8" long, .250 Pivot Dimension
MRP-1.00	Internal /External Thread Shoe, 1" long, .250 Pivot Dimension
MRP-20mm	Internal /External Thread Shoe, 20mm long, .250 Pivot Dimension



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MRP-1000, 2000, and 3000 Series Gage Replacement Parts

Model No.	Description	Model No.	Description
MRP-10BL	MRP-1000 Block Set	MRP-22UA-7	MRP-2001 7" Upper Arm
MRP-10UA	MRP-1000 Upper Arm	MRP-22LA-7	MRP-2001 7" Lower Arm
MRP-10LA	MRP-1000 Lower Arm	MRP-22UA-10	MRP-2001 10" Upper Arm
MRP-10SLA	MRP-1000 Special Arm 1" longer	MRP-22LA-10	MRP-2001 10" Lower Arm
MRP-20BL	MRP-2000 Block Set	MRP-20WP	MRP-1000,2000,3000 Wear Pad Set
MRP-20LB-1	MRP-2000 Lower Block w/ 1" hole	MRP-RAIL-12	MRP-2000 12" Cross Rail
MRP-21UA	MRP-2001 Upper Arm	MRP-RAIL-18	MRP-2000 12" Cross Rail
MRP-21LA	MRP-2001 Lower Arm	MRP-RAIL-24	MRP-2000 12" Cross Rail
MRP-21UA-7	MRP-2001 7" Upper Arm	MRP-10KB	MRP-1000 Knob
MRP-21LA-7	MRP-2001 7" Lower Arm	MRP-20KB	MRP-2000 Knob
MRP-21UA-10	MRP-2001 10" Upper Arm	MRP-30RS-16	MRP-3000 Rail Set, 16" Max
MRP-21LA-10	MRP-2001 10" Lower Arm	MRP-30RS-18	MRP-3000 Rail Set, 18" Max
MRP-22UA	MRP-2001 Upper Arm	MRP-30RS-20	MRP-3000 Rail Set, 20" Max
MRP-22LA	MRP-2001 Lower Arm	MRP-30RS-24	MRP-3000 Rail Set, 24" Max

Specifications

Model No.	Dimensions	Weights
MRP-1000	8 in x 6 in X 2.25 in (203.2 mm X 152.4 mm X 57.15mm)	2.5 lb. (1.1 kg)
MRP-2001	18 in x 7.25 in X 3.5 in (457.2 mm X 184.15 mm X 88.9 mm)	7 lb. (3.2 kg)
MRP-2002	18 in x 9.50 in X 3.5 in (457.2 mm X 241.3 mm X 88.9 mm)	7 lb. (3.2 kg)
MRP-2003	18 in x 12.50 in X 3.5 in (457.2 mm X 317.5 mm X 88.9 mm)	7 lb. (3.2 kg)
MRP-3001	28 in x 7.25 in X 3.5 in (711.2 mm X 184.15 mm X 88.9 mm)	9 lb. (4.1 kg)
MRP-3002	28 in x 9.50 in X 3.5 in (711.2 mm X 241.3 mm X 88.9 mm)	9 lb. (4.1 kg)
MRP-3003	28 in x 12.50 in X 3.5 in (711.2 mm X 317.5 mm X 88.9 mm)	9 lb. (4.1 kg)

