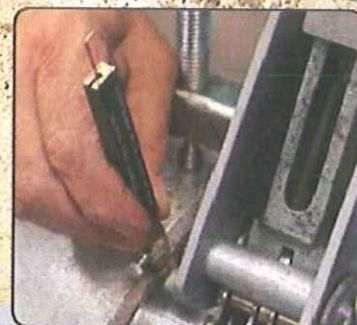


## Q.C. WELDER'S GAUGE

Q.C. Welder's Gauge in English and Metric



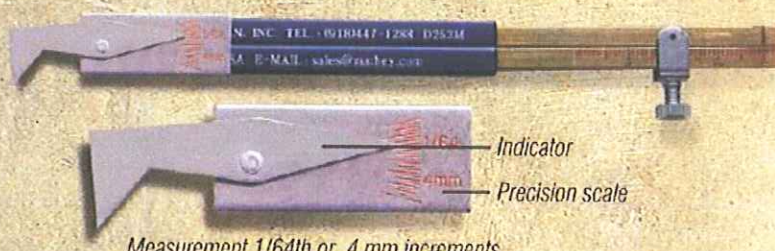
The Q.C. Welder's Gauge from Mathey Dearman rapidly and accurately measures inside "High-Low" and plate mismatch before and after welding, minimizing weld rejections. The gauge is available in English and Metric models.

Item Number	Description
D253E	English Q.C. Welder's Gauge
D253M	Metric Q.C. Welder's Gauge
BOX	
D253E-BOX	English Q.C. Welder's Gauge (10 ea)
D253M-BOX	Metric Q.C. Welder's Gauge (10 ea)

## PIT DEPTH GAUGE | NOW INCLUDED WITH Q.C. WELDER'S GAUGE

**PRECISE** | Measures as small as 1/64" (.4 mm)

**EASY** | Simply slide the Pit Depth Gauge over the Q.C. Gauge and take the reading



The Pit Depth Gauge accessory measures pit depth, weld height and outside "High-Low". The stainless steel Pit Depth Gauge mounts on the end of the Q.C. Welder's Gauge housing and displays in both English and Metric measurements.

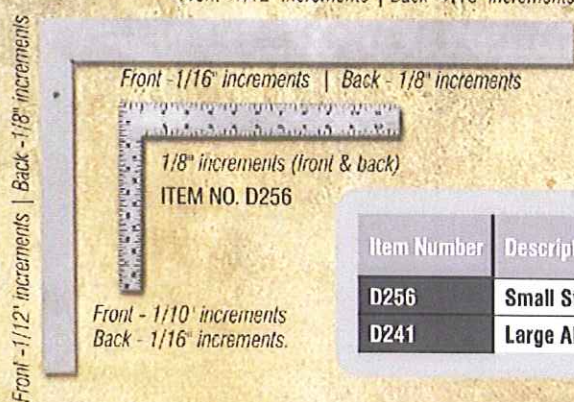


The Pit Depth Gauge can be used to check weld undercut and misalignment of plate to plate or pipe to pipe.

## FRAMING SQUARE

ITEM NO. D241

Front - 1/12" increments | Back - 1/16" increments



The Small Stainless Steel and Large Aluminum Framing Squares from Mathey Dearman measure angles, squareness, and find pipe centerline. When used with a level, the Squares measure drops in inches per foot to determine slope. The Small Framing Square is marked in 1/8" increments and the Large Framing Square is marked in 1/8", 1/10", 1/12", and 1/16" increments.

Item Number	Description	Blade Length St x Lg x Thick in (mm)
D256	Small Stainless Steel Framing Square	8 x 12 x 1/16 Thick (203 x 305 x 1.6 Thick)
D241	Large Aluminum Framing Square	16 x 24 x 1/8 Thick (406 x 610 x 3 Thick)

## PIPEFITTER'S SQUARE

TAN chart is located on the back

Ruler in 1/16" graduations

Pipe center-line Indication

ITEM NO. D248

Ruler in 1/16th graduations

Decimal chart

Degrees

Tangent

The Stainless Steel Pipefitter's Square from Mathey Dearman is a precision Square designed specifically for pipefitters, boilermakers, welders and layout persons. After becoming familiar with the scales and tables of the Square, many complex problems encountered during pipe fit-up and layout work are easily solved.

Set-backs for fit-up of pipe to elbow Instruction booklet included

Item Number	Description	Blade Length St x Lg x Thick in (mm)
D248	Pipefitter's Square	15 1/2 x 24 x 1/8 Thick (394 x 610 x 3 Thick)

The Pipefitter's Square can be used to layout a variety of joint configurations, such as miters, tees and diagonals.

### Pipefitter's Square may be used to:

- Check the squareness of one surface to another.
- Find pipe center line.
- Determine the flange bolt length and diameter.
- Find the number of bolt holes in a flange.
- Measure center-to-end dimensions of pipe elbows and tees.
- Find the through-hub length of a flange.
- Determine the outside diameter of a weld neck flange.
- Determine arc length for a given radius.
- Measure angles off horizontal or vertical plane with level.
- Measure in 12ths or 16ths of an inch.
- Solve triangles or offsets.
- Find decimal equivalents.
- Layout a variety of weld joint configurations.

## HOLD DOWN CLAMPS

Mathey Dearman Hold Down Clamps safely secure the pipe to a jackstand or table for the fit-up of tees, elbows, flanges and other fittings. Hold Down Clamps can also be used in conjunction with the Level and Support Device to hold pipes or fittings in place during alignment and welding. Lightweight and easy to install, the D244 Hold Down Clamp has a range of 2" – 16" (51 mm – 406 mm) with an 800 lb. working load. The D245 Hold Down Clamp has a range of 10" – 48" (254 mm – 1219 mm) with 1,300 lb. working load. The crank mechanism of the Mathey Dearman Hold Down Clamp takes up slack in the chain to hold the pipe securely in place. Hold Down Clamps can be used with Chain Clamps for pipe to elbow down and pipe to cross-tee applications **Caution:** The clamping chain should be wrapped at the base of the V-Head of the jackstand, not through the legs.

Fine Adjustment

Item Number	Pipe Diameter in (mm)
D244	2-16 (51-406)
D245	10-48 (254-1219)

## PROTRACTORS

A Mathey Dearman Protractor is the perfect tool to determine/set bevels, transfer angles, and measure the squareness of one surface to another. The Mini (DX250) and Small (DK239) Protractors are made of stainless steel. The Large Protractor (DK100) is made of aluminum for easy handling. Protractor blades can be locked in place at specific angles and the heads have dual graduations from 0° to 180° in both directions.



The Small Protractor is an excellent tool for sheet metal layout, checking squareness of pipe ends up to 17" (432 mm) diameter and can be used to check smaller pipe miter angles 0° to 90°.

Length: 36" (914 mm)

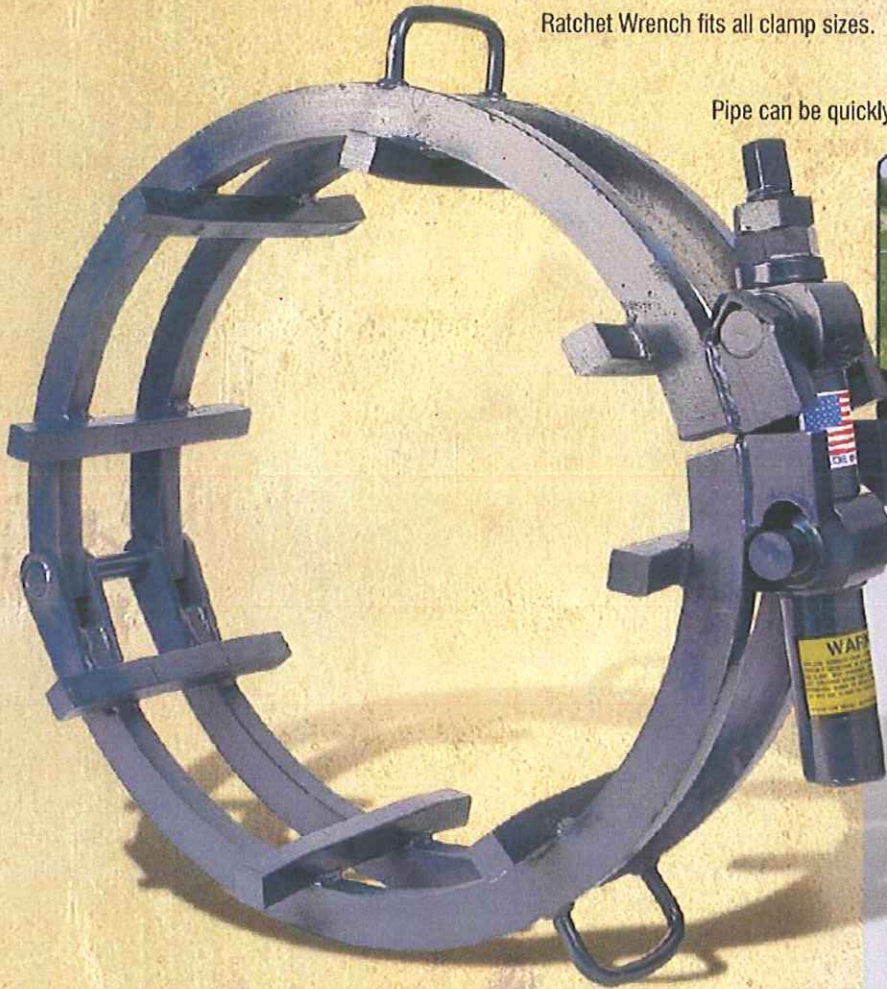
Length: 48" (1219 mm)

ITEM NO. DK100

## RATCHET CAGE CLAMP

The ratchet closure system of Mathey Dearman's Ratchet Cage Clamp provides the extra force needed to align large pipe diameters. The Ratchet Cage Clamp is available for 14" to 60" (356 mm to 1524 mm) pipe. A special 1" (25mm) Ratchet Wrench fits all clamp sizes.

Pipe can be quickly aligned for welding with a Ratchet Cage Clamp.



Ratchet Tack Model	Ratchet No-tack Model	Pipe Size In (mm)
01.0505.R06	-----	6 (152)
01.0505.R08	-----	8 (203)
01.0505.R10	-----	10 (254)
01.0505.R12	01.0505.RN12	12 (305)
01.0505.R14	01.0505.RN14	14 (356)
01.0505.R16	01.0505.RN16	16 (406)
01.0505.R18	01.0505.RN18	18 (457)
01.0505.R20	01.0505.RN20	20 (508)
01.0505.R22	01.0505.RN22	22 (559)
01.0505.R24	01.0505.RN24	24 (610)
01.0505.R26	01.0505.RN26	26 (660)
01.0505.R28	01.0505.RN28	28 (711)
01.0505.R30	01.0505.RN30	30 (762)
01.0505.R32	01.0505.RN32	32 (812)
01.0505.R34	01.0505.RN34	34 (864)
01.0505.R36	01.0505.RN36	36 (914)
01.0505.R38	01.0505.RN38	38 (965)
01.0505.R40	01.0505.RN40	40 (1016)
01.0505.R42	01.0505.RN42	42 (1067)
01.0505.R48	01.0505.RN48	48 (1219)
01.0505.R54	01.0505.RN54	54 (1372)
01.0505.R60	01.0505.RN60	60 (1524)

Clamps with stainless steel contact points or for odd-size pipe available on request.



### Ratchet Wrench

(Handle must be ordered separately)

**01-0505-R01**

3/4" Ratchet Wrench for 4"-8" Ratchet Clamps

**01-0505-R02**

7/8" Ratchet Wrench for 10"-42" Ratchet Clamps

**01-0505-R03**

1" Ratchet Wrench for 44"-up Ratchet Clamps