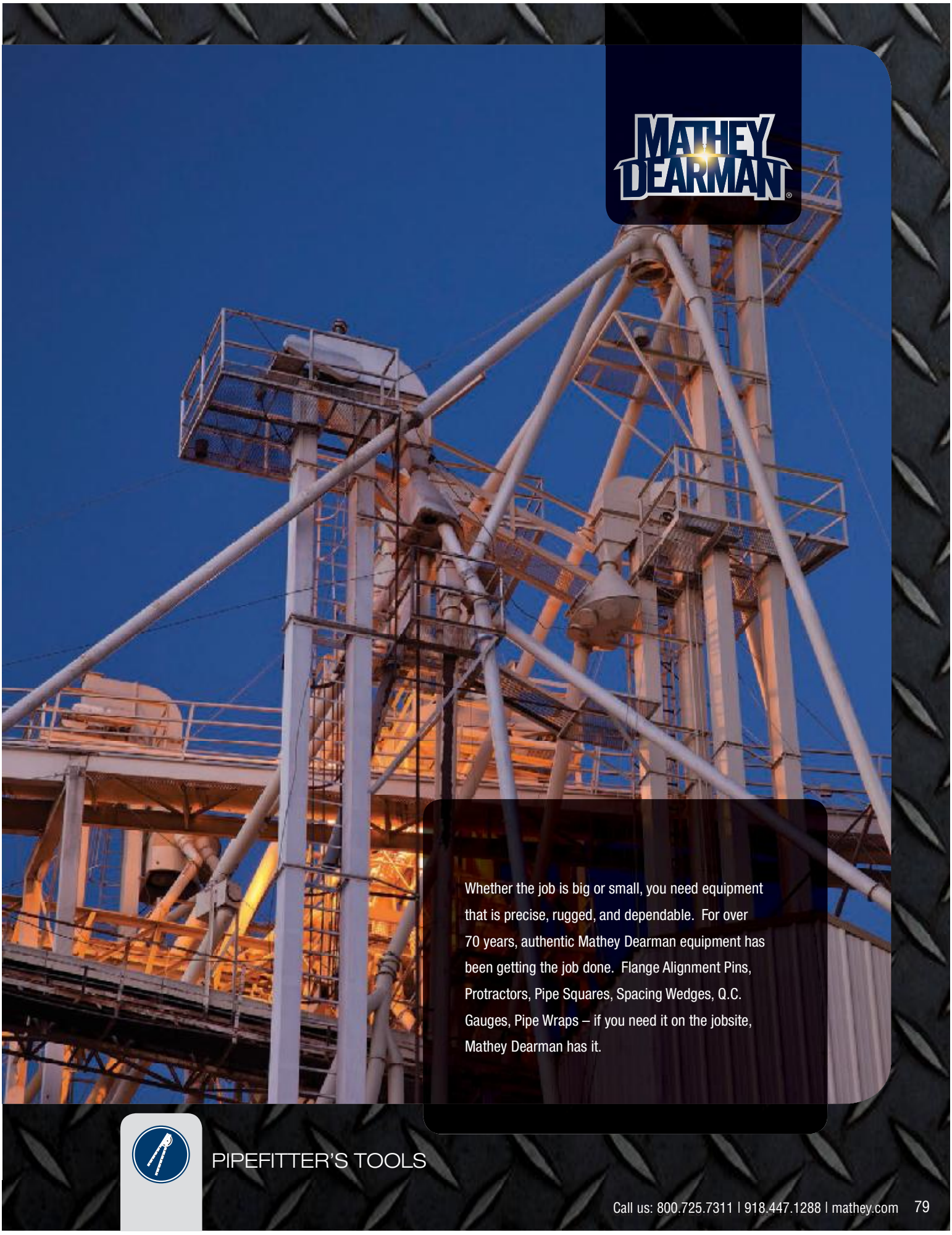
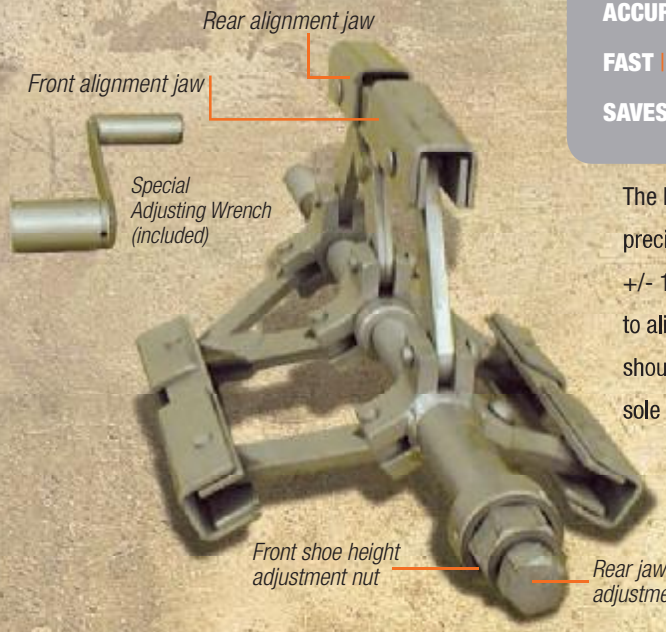


Whether the job is big or small, you need equipment that is precise, rugged, and dependable. For over 70 years, authentic Mathey Dearman equipment has been getting the job done. Flange Alignment Pins, Protractors, Pipe Squares, Spacing Wedges, Q.C. Gauges, Pipe Wraps – if you need it on the jobsite, Mathey Dearman has it.

INTERNAL FLANGE ALIGNMENT TOOL



ACCURATE | Eliminates guesswork

FAST | Flanges can be aligned and squared in as little as one minute

SAVES TIME & MONEY | Alignment can be performed by one person

The Internal Flange Alignment Tool from Mathey Dearman quickly and precisely aligns the ID of flange to the ID of pipe. The ID of flange can vary +/- 1/8" (3 mm) to the ID of the pipe and still align perfectly. Designed to align 150 and 300 pound flanges, the Internal Flange Alignment Tool should be used for flange alignment only, and should never be used as the sole support of the flange.

Item Number	Pipe Size in (mm)
Carbon Steel	
D325	4 - 6 (102 - 152)
D326	6 - 8 (152 - 203)
D327	8 - 14 (203 - 356)
D328	16 - 24 (406 - 610)
Stainless Steel	
D325SS	4 - 6 (102 -152)
D326SS	6 - 8 (152 - 203)
D327SS	8 - 14 (203 - 356)
D328SS	16 - 24 (406 - 610)

The 8" (203 mm) Internal Flange Alignment centers the ID of the 8" (203 mm) pipe to the ID of the flange for tack welding.

STAINLESS STEEL FLANGE LINE UP PINS

Mathey Dearman stainless steel Flange Line-up Pins (FLUPS) are available in two styles - Slide-lock and Wobble-nut. Both designs feature a spring-loaded arrangement that enables removal even when flanges expand from welding heat. The Slide-lock style features an easy to use locking lever for release, while the Wobble-nut style uses a clever design that requires less than one spin of the nut to disengage for removal. The wide profile supports a level or square solidly when used in pairs.

Item Number	Model / Assembly Description	Flange Hole Diameter Range in (mm)
05.0100.000	Slide-lock FLUP	5/8" - 1 7/8" (16 - 47)
05.0100.010	Wobble-nut FLUP	5/8" - 1 7/8" (16 - 47)

Easy and quick, our FLUPS are sturdy and extremely precise.

FLANGE SPREADER

Hydraulic Flange Spreader
ITEM NO. D103

NOTE: FLANGE SPREADERS ARE SOLD INDIVIDUALLY. MOST APPLICATIONS REQUIRE TWO (2) SPREADERS.

SAFER | Eliminates the need for wedges or hammers

PROTECTS | Greatly reduces risk of damage to the flange face

Mechanical Flange Spreader
ITEM NO. D100

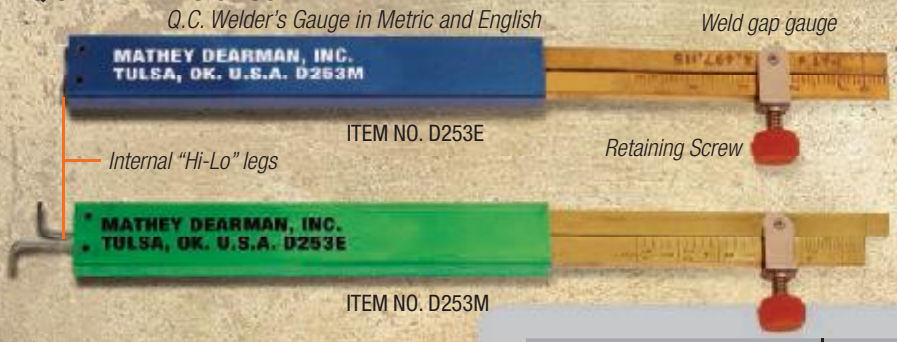
Mathey Dearman Flange Spreaders separate flanges safely and easily without hammering. The Spreader, which attaches to the flange holes, spreads the flange faces without damaging flange sealing surfaces. The wedge action of the Spreader widens the gap between flanges up to 1 1/4" (32 mm). 100 ft-lbs of torque applied to the Flange Spreader yields up to 12,000 lbs of spreading force. Hydraulic Flange Spreaders are available for 2" – 36" (51 mm – 914 mm) flanges and use a Hydraulic Pump Kit (sold separately) to easily separate flanges.

A pair of Flange Spreaders quickly separates flanges up to 1 1/4" (32 mm) without damage to the flange sealing area.

Item Number	Style	Flange Size in (mm)	Flange Class (lb)
D100	Mechanical	2-12 (51-305)	Up to 300
D103	Hydraulic	2-12 (51-305)	Up to 300
D101	Hydraulic	12-24 (305-610)	150 - 600
D102	Hydraulic	26-36 (660-914)	150 - 600
D104-KIT	Hydraulic Pump Kit includes pump with reservoir, hoses and quick disconnects.		

Hydraulic Pump Kit
ITEM NO. D104-KIT

Q.C. WELDER'S GAUGE



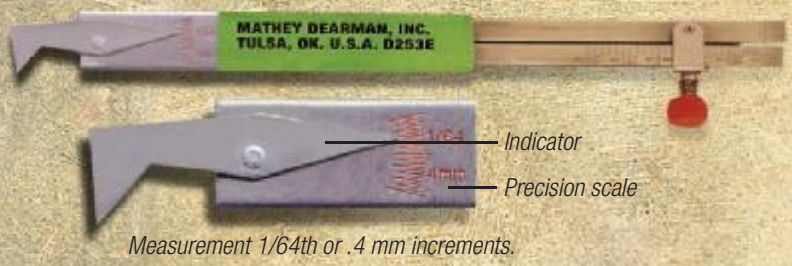
The Q.C. Welder's Gauge from Mathey Dearman rapidly and accurately measures inside "Hi-Lo" and plate mismatch before and after welding, minimizing weld rejections. The gauge is available in English and Metric models.

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. Weleder'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



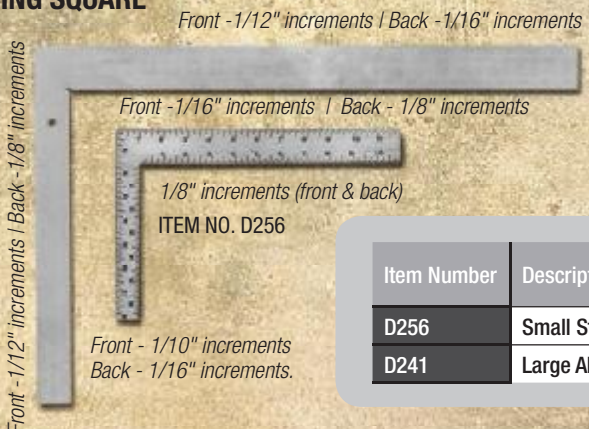
Measurement 1/64th or .4 mm increments.

The Pit Depth Gauge accessory measures pit depth, weld height and outside "Hi-Lo" 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

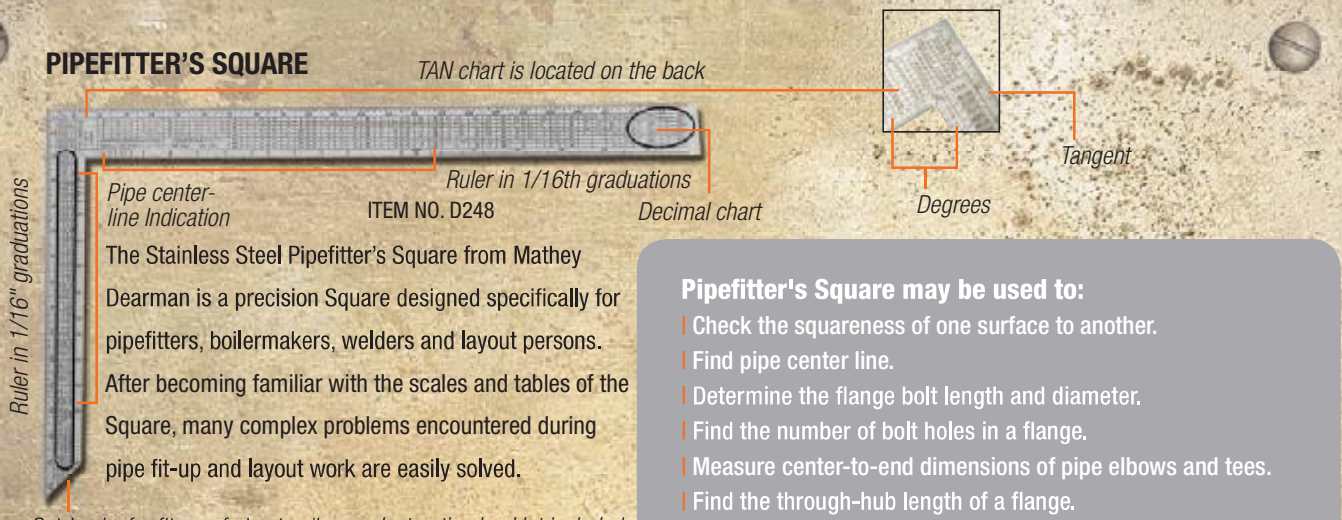
ITEM NO. D241



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



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.

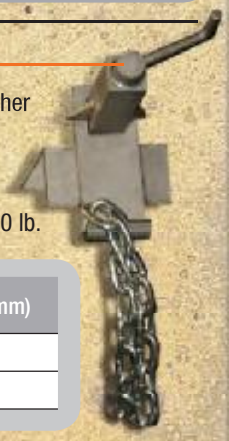
Item Number	Description	Blade Length St x Lg x Thick in (mm)
D248	Pipefitter's Square	15 1/2 x 24 x 1/8 Thick (394 x 610 x 3 Thick)

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



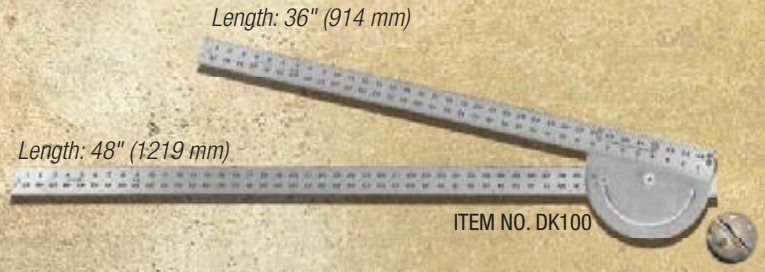
Mathey Dearman Hold Down Clamps safely secure the pipe to a jackstand or table for the fit-up of tees, elbows, flanges and other fittings. Hold Down Clamps can also be used in conjunction with the Level and Support Device to hold pipes or fittings in place during alignment and welding. Lightweight and 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.

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 (DXX250) 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 0º to 90º.



PROTRACTORS

Length: 6" (152 mm)

Length: 12" (305 mm)

Length: 18" (457 mm)

Item No. DXX250

ITEM NO. DK239

Protractor accurate to + 1°

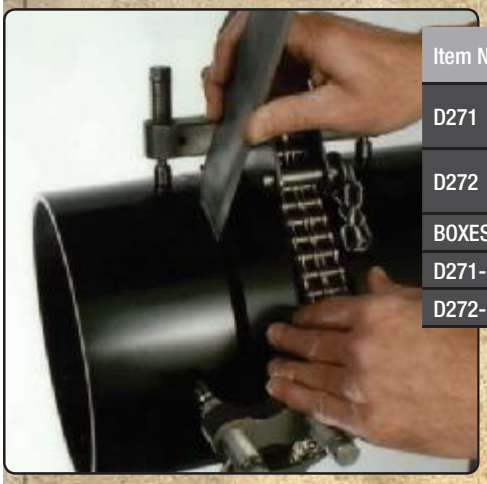
The Large Protractor will measure squareness of pipe ends up to 40" (1016 mm) diameter or can be used to check large pipe miter angles up to 180º.

The Mini Protractor can be used for a variety of applications including measuring bevel angle.

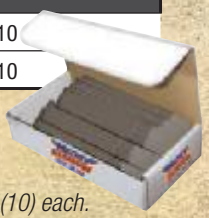
Item Number	Description
DXX250	Mini Stainless Steel Protractor
DK239	Small Stainless Steel Protractor
DK100	Large Aluminum Protractor

SPACING WEDGES

When using Mathey Dearman Chain Clamps, Spacing Wedges enable better fit-up of pipe ends. Wedges are used to create precise weld gap. Simply move the pipe ends together, mount and tighten the chain clamp or cage Clamp and spread the gap to the desired width using the Spacing Wedge. The wedge portion of the Spacing Wedge is case hardened for long life, while the upper part of the Wedge is soft enough to prevent splintering.

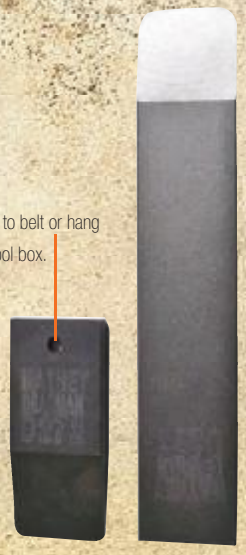


Item Number	Description
D271	Spacing Wedge, 8" x 1 1/2" x 1/4" (203 mm x 38 mm x 6.4 mm)
D272	Spacing Wedge, 3 1/2" x 1 1/2" x 1/4" (89 mm x 38 mm x 6.4 mm)
BOXES OF 10	
D271-BOX	D271 Spacing Wedge - Box of 10
D272-BOX	D272 Spacing Wedge - Box of 10



ITEM NO. D271 (Large)
D272 (Medium)

Purchase individually, or in boxes of ten (10) each.



Weld gap can be quickly set using our Spacing Wedges.

PIPE WRAP

Mathey Dearman Pipe Wrap has double-ruled edge so it is never upside down or backwards. The Wrap can be used as a straight edge to mark straight lines around the pipe and to mark angles for pipe elbows. The Pipe Wrap is constructed of highly abrasion and solvent resistant materials to last under heavy use.

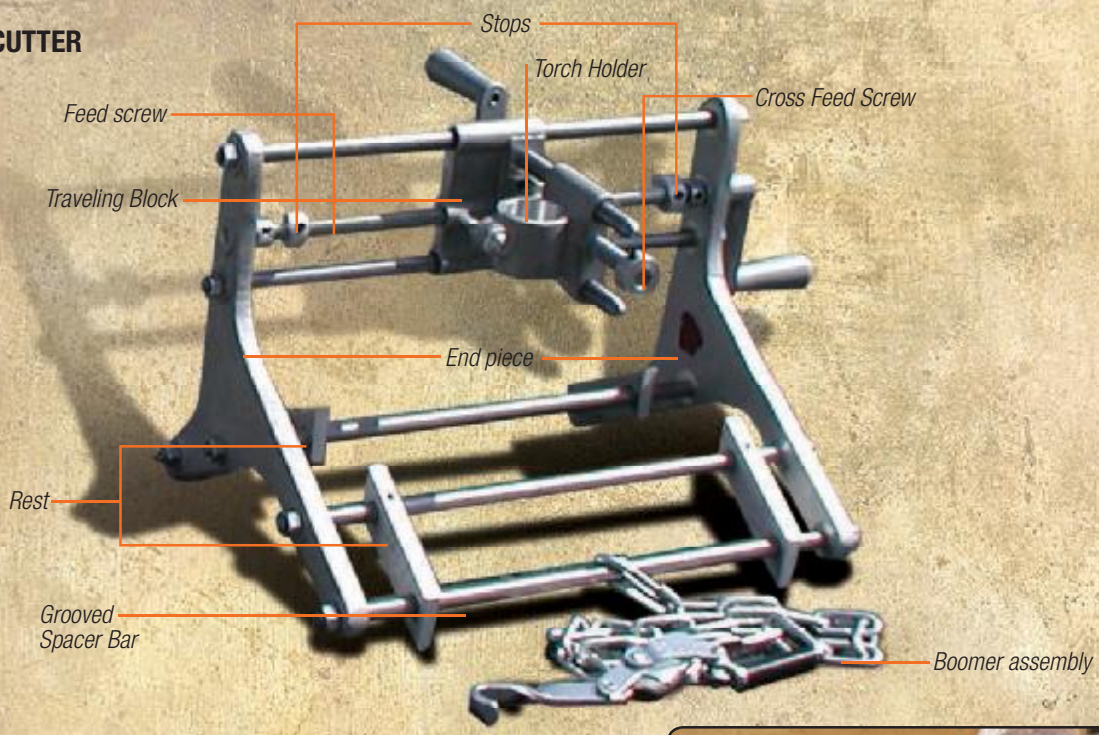
Pipe Wrap Includes:

- Table of tangents and straight edge
- Instructions for cutting elbows
- Sides marked in 1/8" (3.2 mm) increments to 36" (914 mm)
- Instructions for finding the length of an elbow
- 45-degree angle chart
- Degree markings

Pipe Size in (mm)	Size	Item Number	Description
3-15 (76-381)	Medium	D160	Wrap, 4" x 4' / 102 mm x 1219 mm
3-22 (76-559)	Large	D170	Wrap, 4" x 6' / 102 mm x 1829 mm
3-26 (76-660)	Extra Large	D177	Wrap, 4" x 7' / 102 mm x 2134 mm
Pipe size to be specified		D184	4" / 102 mm Width x Length Desired Sold in 1' / 305 mm Increments
Pipe size to be specified		D185	5" / 127 mm Width x Length Desired Sold in 1' / 305 mm Increments
Pipe size to be specified		D187	7" / 178mm Width x Length Desired Sold in 1' / 305mm Increments

The Pipe Wrap is an excellent tool for aligning MagnaCut XM and CGM Guide Tracks on pipe over 18" (457 mm) to insure a square cut.

COUPON CUTTER



COUPONS | Perfect for cutting test coupons for API, ASME and AWS welder certification

TESTING | Accurately cuts the same size coupon over and over

The Coupon Cutter makes the cutting of weld test coupons quick and easy. This efficient tool can be used for any procedure requiring removal of a section of the pipe wall on pipe sizes 4" (102 mm) and larger. A boomer assembly (included) for up to 12" pipe is used to rapidly fasten the machine to the pipe. A boomer is usually not needed on pipes larger than 12" (305 mm). The Coupon Cutter now includes an ACME Feed Screw for rapid torch advance if required.

An excellent tool for making coupons for bend, tensile strength, and hardness tests.

Item Number	Item/ Assembly Description	Cuts Coupons
03.0300.S00	Coupon Cutter	2" x 9" (51mm x 229mm)

A BRIEF HISTORY OF MATHEY DEARMAN

Since Chester A. Mathey built and sold his first portable machine in August 1936, industry professionals have relied on Mathey Dearman products for innovative cutting, beveling, clamping and aligning solutions.

SETTING THE STANDARD

In 1952, Mr. Mathey designed and introduced the industry's first Compact Saddle Machine. Cast from high-strength aluminum alloy, the lightweight Compact Saddle Machine is still recognized as the industry standard.

MATHEY INTERNATIONAL, LTD.

By the 1980s, Mathey Manufacturing Company was known as a world leader in cutting and beveling products including Compact Saddle Machines, wireline winching equipment for oil and gas exploration and welding ovens. In 1985, Hinderliter Tool company, a Tulsa-based manufacturer of oil field products purchased Mathey and then sold the company in 1987 to Donald Lockhart, a Hinderliter executive. Mr. Lockhart also acquired winching experts, Leland Truck, combining the companies and changing the name to Mathey Leland. Focusing on the expanding worldwide cutting and beveling business, the company sold the Leland division in 1989, changing the name to Mathey International, LTD.

MATHEY DEARMAN, INC.

In 1996, Mathey acquired the exclusive rights to Dearman clamping systems from Cogsdill Tool Products. Introduced in 1974 by Tim Dearman, his innovative Chain Clamp design quickly became the industry-standard for the product's unique ability to align and reform multiple sizes of pipe with the same machine.

Today, Mathey Dearman, as the company was renamed, manufactures the broadest range of Chain Clamps in the industry, capable of handling any size pipe from 1-inch to 20-feet.

TODAY … AND TOMORROW

For over 70 years the best welders around the world have relied on authentic Mathey Dearman equipment for cutting, beveling, clamping and aligning pipe.

Each year offers exciting new products, cutting-edge designs and accurate, dependable equipment for the construction of oil and gas pipelines, power plants, ships, refineries, LNG terminals, chemical plants and more. Our past has been filled with innovation and our future will bring new solutions for the next generation. Now more than ever: "Where there's pipe, there's Mathey."