

MATHEY DEARMAN®

Smarter. Tougher. Mathey.



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MASTER CATALOG

The industry-standard for over 80 years, the Mathey Dearman Saddle Machine is versatile, simple to use, and perfect for almost any pipe cutting and beveling application. Lightweight and durable, Mathey Dearman Saddle Machines are designed for accurate, quality cuts on 1 1/2" – 48" (38 mm – 1219 mm) pipes.

- EASY SET-UP** | Mount and begin cutting in as little as 5 minutes
- ADAPTABLE** | Works with all standard torches, including plasma
- PRECISE** | Produces square cuts and exact bevels quickly and easily
- FASTER** | Quicker than manual machines by virtually eliminating grinding

Motorized Saddle Machine Includes:

- | 115 VAC or 230 VAC Motorized Saddle Machine
- | Torch Arm
- | Torch Carrier Assembly
- | Boomer Assembly (fastens the machine to the pipe)
- | Spacer Bolt Set
- | Parts and Operating Manual
- | Mounting Bracket
- | Right-angle DC drive motor
- | Motor Control Box

NOTE: MACHINE TORCHES SOLD SEPARATELY



| Available with PlasmaSpeed Digital Motor Control

HAND CUTTING

Time: 30 Minutes | 8" Schedule 40 Pipe being cut by hand. Time includes measuring, cutting and grinding.

- | Longer than necessary layout time
- | Excessive amount of time to cut the pipe
- | Inaccurate/uneven cut requiring grinding
- | Extended fit-up time
- | Uneven weld gap



Want the easiest way to get a perfect cut every time? Motorized Saddle Machines from Mathey Dearman are precise and fast, delivering smooth cuts requiring little or even no grinding. Both experienced and inexperienced welders can benefit from the increased productivity (up to 5 times quicker!) and cut quality of Motorized Saddle Machines compared to traditional hand-cutting or manual machines. Motorized Saddle Machines are available in 115 VAC and 230 VAC for pipe sizes 1 ½" – 48" (38 – 1219 mm) and can operate at increased cutting speeds to use powerful plasma torches. It's what Mathey Dearman calls PLASMASPEED!

- VERSATILE** | Every model works on a range of pipe sizes
- ADAPTABLE** | Works with all standard torches, including plasma
- PORTABLE** | Light and compact, perfect for shop or field applications
- EASY SET-UP** | Mount and begin cutting in as little as 5 minutes
- PROVEN** | Depended on by professionals for over 70 years
- FAST** | Pipe is ready to weld up to five times quicker than hand cutting and grinding

Saddle Machine Includes:

- | Saddle Machine
- | Torch Arm
- | Torch Carrier Assembly
- | Boomer Assembly (fastens the machine to the pipe)
- | Spacer Bolt Set
- | Parts and Operating Manual

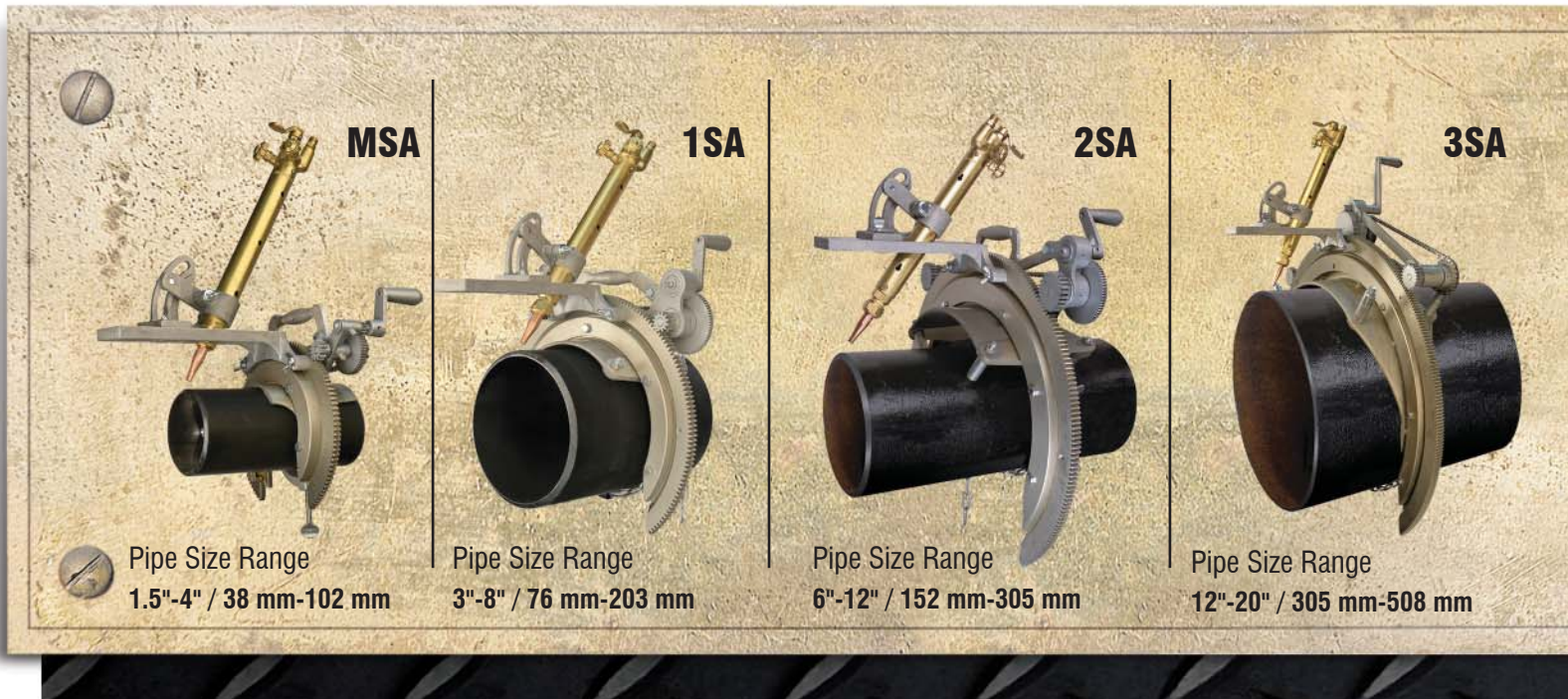
NOTE: MACHINE TORCHES SOLD SEPARATELY

MATHEY DEARMAN CUTTING

Time: 6 Minutes | 8" Schedule 40 Pipe being cut with a 1SA Manual Saddle Machine.

| Perfect Cut | No Grinding | Perfect Fit-up

SADDLE MACHINES | MOTORIZED / MANUAL



Machine Model	MSA	1SA	2SA
Manual with Spacer Bolts	03.0100.000	03.0101.000	03.0102.000
Manual with Step Spacers	-----	03.01S1.000	03.01S2.000

SADDLE MACHINES | SPECIFICATIONS

Machine Model	MSA	1SA	2SA
Motorized with Spacer Bolts 115 VAC 230 VAC	03.0100.M00 03.0100.M02	03.0101.M00 03.0101.M02	03.0102.M00 03.0102.M02
Motorized with Step Spacers 115 VAC 230 VAC	-----	03.01S1.M00 03.01S1.M02	03.01S2.M00 03.01S2.M02
Pipe Size in (mm)	1.5-4 (38-102)	3-8 (76-203)	6-12 (152-305)
Net Weight lbs / kg	10 / 5	16 / 7	26 / 12
Estimated Shipping Weight lbs / kg	12 / 5.4	24 / 11	34 / 15.5
Shipping Dimensions in (mm)	12 x 12 x 10 (305 x 305 x 254)	18 x 18 x 11 1/2 (457 x 457 x 492)	23 x 23 x 12 1/2 (584 x 584 x 318)
Max. Speed (Motorized) ipm* / mpm**	141 / 3581	71 / 1803	89 / 2261
Min. Speed (Motorized) ipm* / mpm**	4 / 102	4 / 102	6 / 152
Includes Spacer Bolts to cut pipe sizes	2", 3", 4" (51, 76, 102 mm)	3", 4", 6", 8" (76, 102, 152, 203 mm)	6", 8", 10", 12" (152, 203, 254, 305 mm)

* Inches per minute

** Millimeters per minute



4SA

Pipe Size Range
20"-26" / 508 mm-660 mm



5SA

Pipe Size Range
24"-30" / 610 mm-762 mm



6SA

Pipe Size Range
28" - 36" / 711 mm - 914 mm



8SA

Pipe Size Range
40" - 48" / 1016 mm - 1219 mm

	3SA	4SA	5SA	6SA	8SA
	03.0103.000	03.0104.0 00	03.0105.000	03.0106.000	03.0108.000
	03.01S3.000	----	----	----	----

	3SA	4SA	5SA	6SA	8SA
	03.0103.M00 03.0103.M02	03.0104.M00 03.0104.M02	03.0105.M00 03.0105.M02	03.0106.M00 03.0106.M02	03.0108.M00 03.0108.M02
	03.01S3.M00 03.01S3.M02	----	----	----	----
	12-20 (305-508)	20-26 (508-660)	24-30 (610-762)	28-36 (711-914)	40-48 (1016-1219)
	50 / 22	75 / 34	110 / 50	180 / 82	287 / 130
	73 / 33	150 / 68	185 / 84	295 / 134	537 / 244
	34 x 32 x 12 (864 x 813 x 305)	40 1/2 x 41 x 19 (1029 x 1041 x 423)	40 1/2 x 41 x 19 (1029 x 1041 x 423)	57 x 43 x 18 (1488 x 1002 x 483)	69 x 60 x 21 (1753 x 1524 x 533)
	47 / 1194	53 / 1346	34 / 864	35 / 889	36 / 914
	7 / 178	7 / 178	8 / 203	5 / 127	5 / 127
	12", 14", 16", 18", 20" (305, 356, 406, 457, 508 mm)	20", 22", 24", 26" (508, 559, 610, 660 mm)	24", 26", 28", 30" (610, 660, 711, 762 mm)	28", 30", 36" (711, 762, 914 mm)	40", 42", 48" (1016, 1067, 1219 mm)



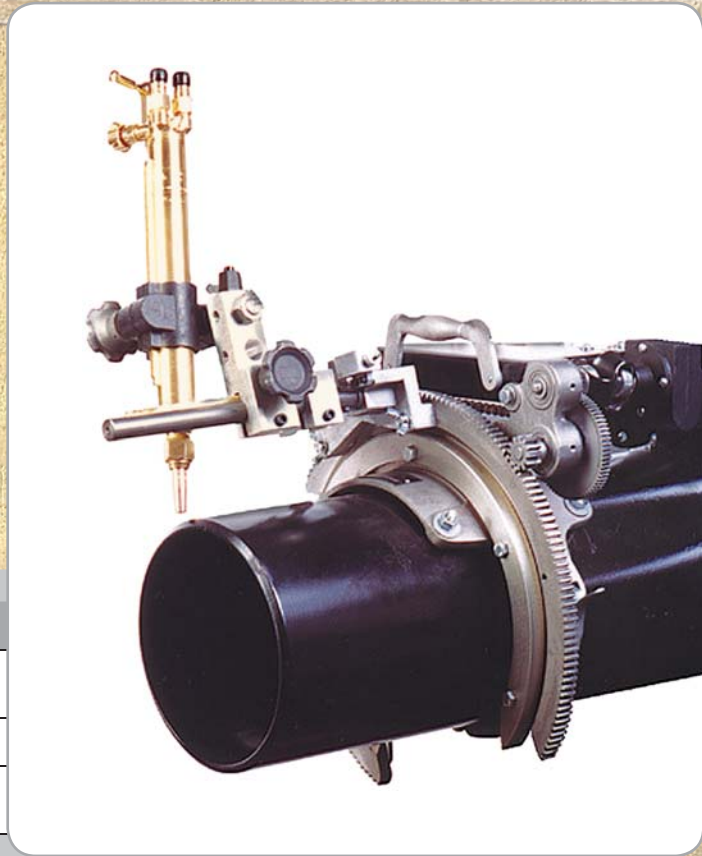
PRO MODEL TORCH ARM

Choose the Pro Model Torch Arm with our innovative Out-of-Round Roller Attachment to create perfect cuts and bevels on oversize, undersize or out-of-round pipe.

MINIMIZES NOTCHING | Torch automatically elevates over pipe weld seams and surface imperfections

SMOOTHER BEVELING | Precise pipe-to-torch distance maintained throughout the cut for more accurate beveling

INTERCHANGEABLE | Use the Pro Model Torch Arm with your current torch holder and adapter for oversized and undersized pipe



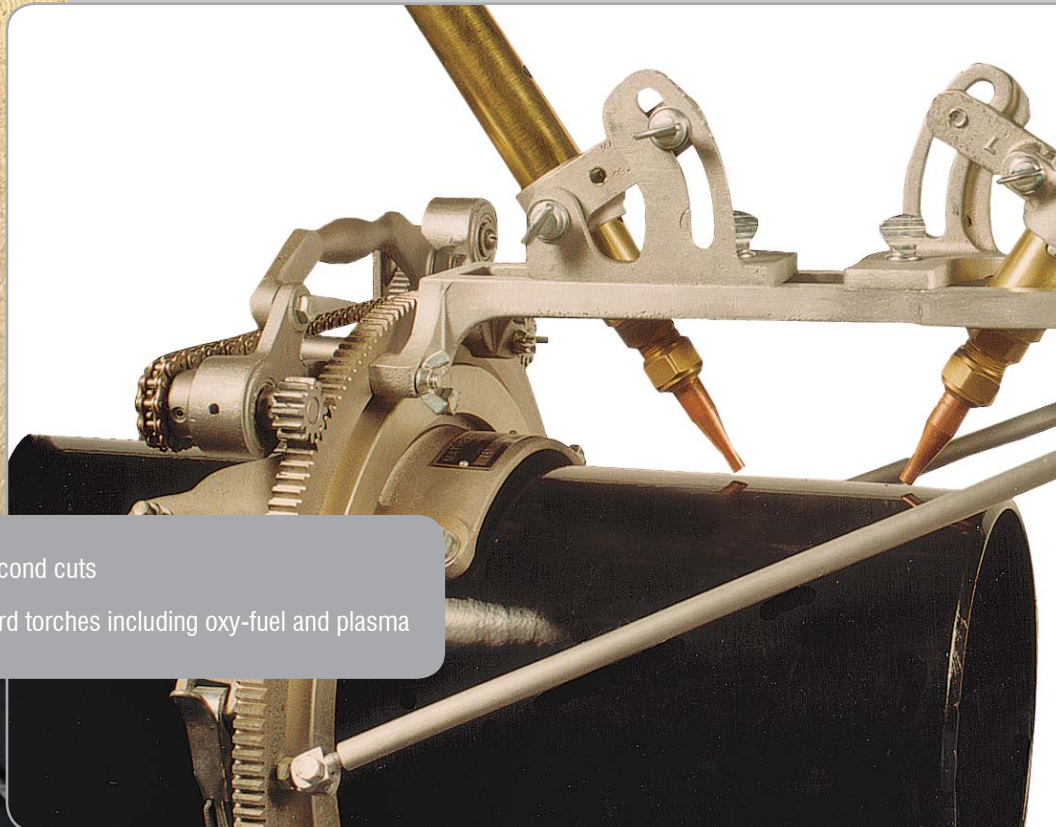
Model	Item Number	Shipping Weight
Pro Model with Out-of-Round Roller Attachment	03.0209.000	9.5 lbs / 4.3 kg
Pro Model Base Unit	03.0209.001	6 - 8 lbs / 2.7 - 3.6 kg
Out-of-Round Roller Attachment Kit	03.0209.003	4.5 - 6 lbs / 2 - 2.7 kg

**Includes 32 pitch Torch Holder. Please add the letter "E" at the end of the item number when ordering a Pro Model Torch Arm with a Metric Torch Holder (example: 03.0209.000E)*

NOTE: MACHINE TORCHES AVAILABLE SEPARATELY. BACK BEVELING NOT RECOMMENDED WITHOUT THE USE OF THE DOUBLE TORCH ARM ACCESSORY.

DOUBLE TORCH ARM

Reduce setup and cutting time by up to 50% with our Double Torch Arm accessory. By eliminating the need to rotate one torch to obtain a forward or back bevel on the pipe end, our Double Torch Arm dramatically reduces cutting and beveling time.



REDUCE EXPENSES | Eliminate second cuts

VERSATILE | Works with all standard torches including oxy-fuel and plasma

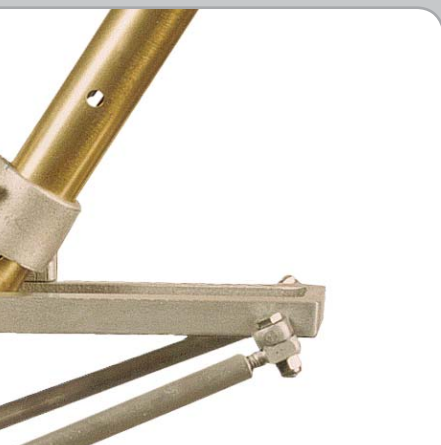
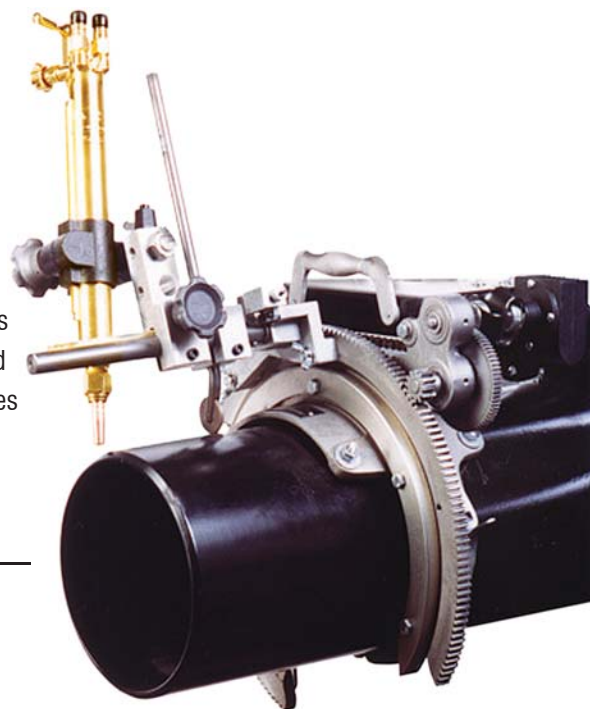


OUT-OF-ROUND ROLLER ATTACHMENT



Would you like to add out-of-round compensating capabilities to your current Pro Model Torch Arm? Our Out-of-Round Roller Attachment Kit compensates for oversize and undersize pipe, handling out-of-round conditions up to 1/4" (6mm). Order separately. Comes with all required parts and assembly instructions.

Pro Model with Out-of-Round Roller Attachment Kit installed



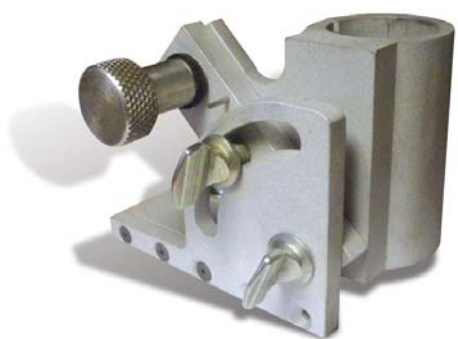
DOUBLE TORCH ARM ITEM NUMBERS AND SHIPPING WEIGHTS

Model	With Torch Holder for 1 3/8" (35 mm) Diameter Torch	Est. Shipping Weight
1SA	03.0101.030	5 lbs / 2.3 kg
2SA	03.0102.015	5 lbs / 2.3 kg
3SA	03.0103.030	5 lbs / 2.3 kg
4SA	00.0104.021	5 lbs / 2.3 kg
5SA	03.0105.025	5 lbs / 2.3 kg
6SA	03.0106.018	5.5 lbs / 2.5 kg
8SA	03.0108.014	5.5 lbs / 2.5 kg

CAM-ADJUSTABLE TORCH CARRIER

Our Cam-adjustable Torch Carrier makes it simple to make perfect, no-notch cuts, every time. Just start the cut away from the desired cut line, use the knurled cam adjustment knob to move the torch into the cut line then start your cut. In addition, the Torch Holder's large wing screw makes tightening the torch in the Torch Holder easy, even when wearing gloves. Our innovative design even allows forward or back-beveling without the need to reverse the Torch Holder in the Torch Arm.

Item : 03.0100.052



SELF-STORING STEP-DOWN SPACER

Combining multiple Spacer Bolt sizes into one easy-to-use part, our Step-down Spacers are machined to the same tolerances as Spacer Bolts. Each Step Spacer covers a range of four (4) pipe sizes; eliminating the need to store twelve (12) Spacer Bolts. No more searching for lost or misplaced Spacer Bolts with high quality aluminum alloy or stainless steel self-storing Step-down Spacers.

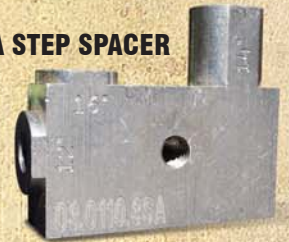


1SA STEP SPACER



2SA STEP SPACER

3SA STEP SPACER



STEP SPACER KIT

Description	Item Number	For Pipe Sizes		Est. Shipping Weight
		in	mm	
1SA Step Spacers	03.0110.1SAKIT	3, 4, 6, 8	76, 102, 152, 203	1.6 lbs / .7 kg
2SA Step Spacers	03.0110.2SAKIT	6, 8, 10, 12	152, 203, 254, 305	1.6 lbs / .7 kg
3SA Step Spacers	03.0110.3SAKIT	12, 14, 16, 18, 20	305, 356, 406, 457, 508	1.6 lbs / .7 kg

STEP SPACERS (INDIVIDUAL)

Description	Item Number	For Pipe Sizes		Est. Shipping Weight
		in	mm	
1SA Step Spacer	03.0110.1SA	3, 4, 6, 8	76, 102, 152, 203	0.4 lbs / 0.2 kg
2SA Step Spacer	03.0110.2SA	6, 8, 10, 12	152, 203, 254, 305	0.4 lbs / 0.2 kg
3SA Step Spacer	03.0110.3SA	12, 14, 16, 18, 20	305, 356, 406, 457, 508	0.4 lbs / 0.2 kg

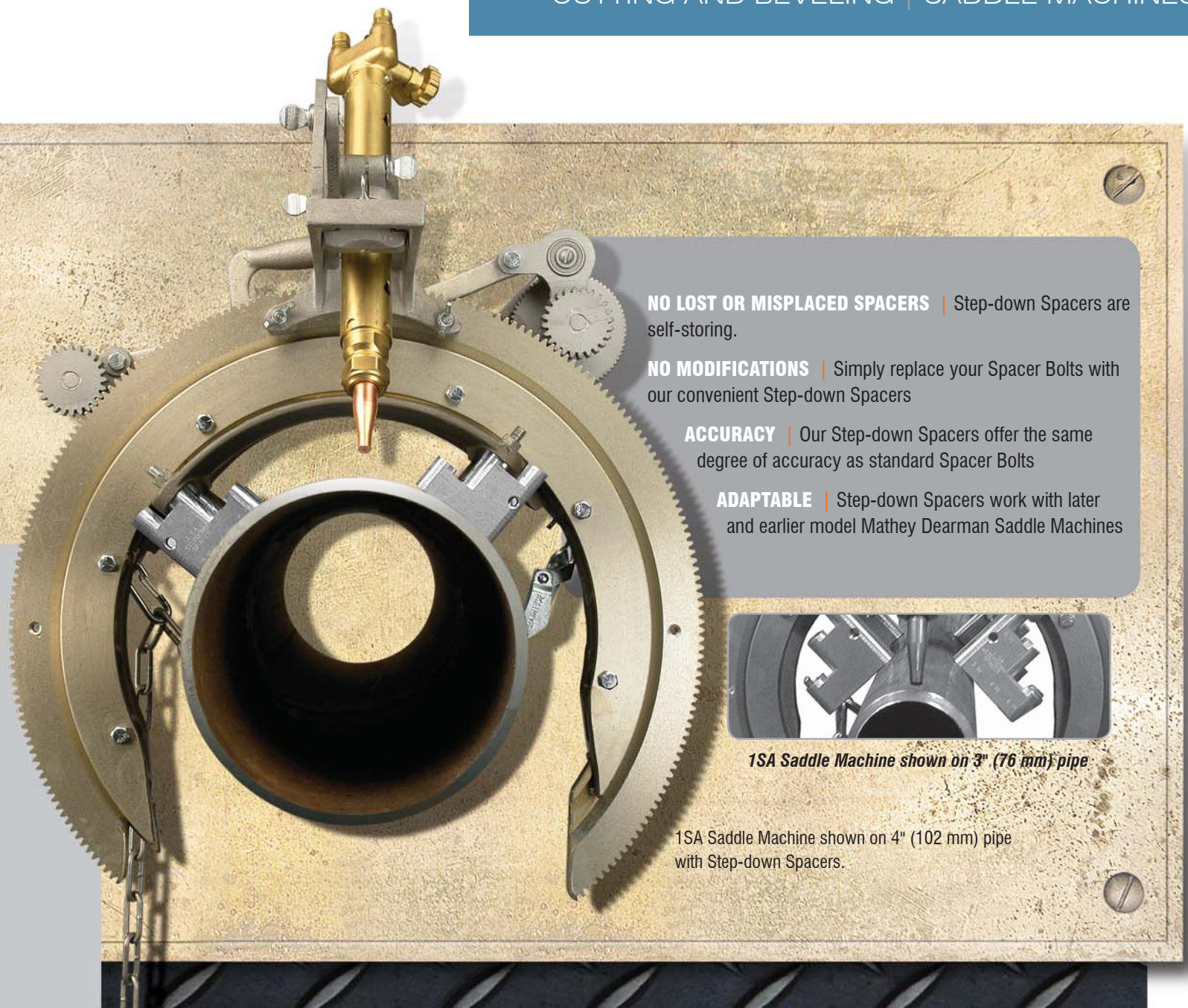


SADDLE MACHINE SPACER BOLTS

Our Spacer Bolt Kits include the Spacer Bolts available for any Mathey Dearman Saddle Machine model in one handy container. An actual-size diagram is located on the lid, making finding the correct Spacer Bolts quick and easy. All Spacer Bolts are precision-machined for maximum cutting accuracy and labeled with the Mathey Dearman logo and item number for quick identification.

Spacer Bolts can be replaced individually or in sets.

Actual size is shown on box lid for quick spacer bolt identification.

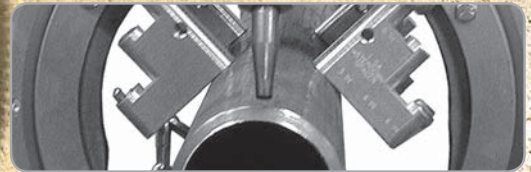


NO LOST OR MISPLACED SPACERS | Step-down Spacers are self-storing.

NO MODIFICATIONS | Simply replace your Spacer Bolts with our convenient Step-down Spacers

ACCURACY | Our Step-down Spacers offer the same degree of accuracy as standard Spacer Bolts

ADAPTABLE | Step-down Spacers work with later and earlier model Mathey Dearman Saddle Machines



1SA Saddle Machine shown on 3" (76 mm) pipe

1SA Saddle Machine shown on 4" (102 mm) pipe with Step-down Spacers.

SPACER BOLT KITS

Description	Item Number	For Pipe Sizes		Est. Shipping Weight
		in	mm	
MSA	03.0MSA.KIT	2, 3	51, 76	1.0 lbs / 0.5 kg
1SA	03.01SA.KIT	3, 4, 6, 8	76, 102, 152, 203	4.0 lbs / 1.8 kg
2SA	03.02SA.KIT	6, 8, 10, 12	152, 203, 254, 305	5.0 lbs / 2.3 kg
3SA	03.03SA.KIT	12, 14, 16, 18, 20	305, 356, 406, 457, 508	9.0 lbs / 4.1 kg
4SA	03.04SA.KIT	20, 22, 24, 26	508, 559, 610, 660	10.0 lbs / 4.5 kg
5SA	03.05SA.KIT	24, 26, 28, 30	610, 660, 711, 762	10.0 lbs / 4.5 kg
6SA	03.06SA.KIT	28, 30, 36	711, 762, 914	20.0 lbs / 9.0 kg
8SA	03.08SA.KIT	40, 42, 48	1016, 1069, 1219	20.0 lbs / 9.0 kg

SADDLE MACHINE STORAGE BOX

To help protect your valuable investment, store your Saddle Machine, Torch, Torch Arm, Torch Carrier, Spacer Bolts and Parts and Operating Manual in this specially-designed Storage Box. MSA, 1SA, and 2SA Storage Boxes are made of 16 gauge, powder-coated steel, with attached lifting handles. Storage Boxes for Saddle Machines larger than the 2SA are made of plywood with reinforced corners and edges. STORAGE BOXES ARE SPECIFICALLY DESIGNED TO PROTECT MACHINES DURING TRANSPORTATION AND STORAGE



PROTECT YOUR INVESTMENT | Our heavy-duty Storage Boxes are specifically designed for transportation and storage

STAY ORGANIZED | Plenty of room to conveniently store accessories and Spacer Bolts when not in use



Model	Item Number	Dimensions in (mm)	For Manual or Motorized	Box Type	Est. Shipping Weight
MSA	03.0100.BOX	17 x 17 x 17 (432 x 432 x 432)	Manual Only	METAL	23 lbs / 11 kg
1SA	03.0101.BOX	20 x 18 x 17 (205 x 457 x 432)	Manual Only	METAL	33 lbs / 15 kg
2SA	03.0102.BOX	25 x 22 x 18 (635 x 559 x 457)	Manual Only	METAL	41 lbs / 19 kg
3SA	03.0103.BOX	34 x 34 x 14 (864 x 864 x 356)	Manual or Motorized	WOOD	60 lbs / 27 kg
4SA	03.0104.BOX	40 x 38 x 14 (1016 x 965 x 356)	Manual or Motorized	WOOD	75 lbs / 34 kg
5SA	03.0105.BOX	42 x 40 x 14 (1067 x 1016 x 356)	Manual or Motorized	WOOD	75 lbs / 34 kg
6SA	03.0106.BOX	56 x 48 x 16 (1422 x 1219 x 406)	Manual Only	WOOD	175 lbs / 79 kg
8SA	03.0108.BOX	70 x 56 x 19 (1778 x 1422 x 483)	Manual Only	WOOD	250 lbs / 102 kg



Mathey has been the leader in pipe cutting since we invented the saddle machine in 1934. Our new CNC Saddle Machines prove what the professionals know...

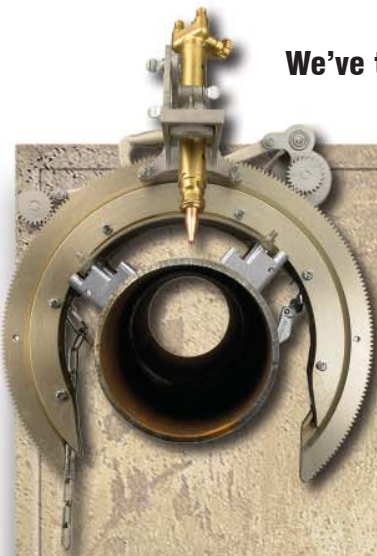
Mathey continues to set the standard!

Check with our website for our expanding size range - mathey.com.



We've taken the industry's most trusted pipe cutting machines and made them...well, smarter.

For decades, CNC pipe profiling has been reserved for folks with big budgets, spare shop floor space and lots of time for training. Thanks to our amazingly simple and affordable CNC Saddle Machines, those days are long gone. With the industry's most trusted pipe cutting and beveling machines as their foundation, we've engineered a compact 2-axis pipe profiling system that performs like a big stationary machine, but without the complexity or cost. Lightweight enough to be mounted and operated by one person, three models of machines cover pipe sizes ranging from 1½" to 12". Mathey CNC machines are able to produce an almost infinite number of profiles, like miters and saddles plus openings including rectangles and squares. Compared to time and material-wasting manual methods, our CNC machines literally create precision profiles in just minutes. When not in use, storage and transportation are safe and secure thanks to the rugged molded HPDE case with custom-designed foam insert that is included with each machine. CNC Saddle Machines perform well with either oxy/fuel or plasma machine torches and require only standard 115 or 230-volt power to operate.



SIMPLE | Icon-driven laptop control screens let users follow an intuitive cut selection process; *no programming required*

COMPREHENSIVE | Literally millions of cuts available including the ability to utilize custom shapes (Contact Mathey CNC support for details and pricing)

COMPACT | Portable design means no permanent installation or dedicated shop space necessary

ADAPTABLE | Works with standard machine torches, including plasma

RUGGED | Based on our proven and reliable Saddle Machines with industrial-grade electronics and cabling

CNC Saddle Machines Include:

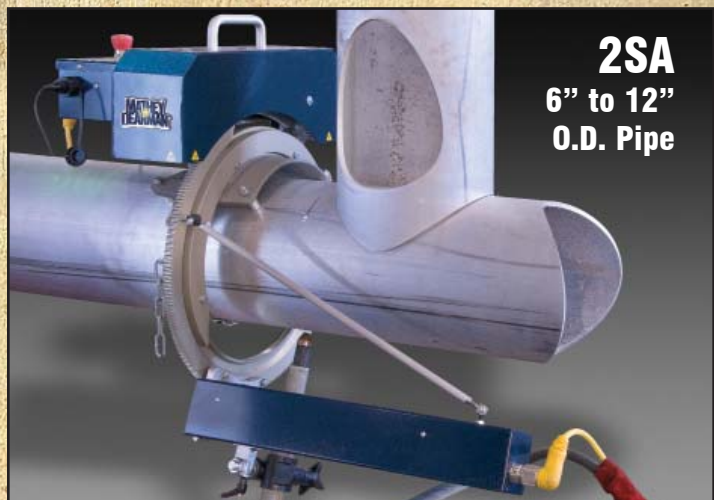
- 115/230 VAC CNC Saddle Machine Base Unit
- Lead Screw Assembly
- Torch Holder Assembly
- Boomer Assembly
- Industrial Grade Automation Connector Cable
- Spacer Bolt Set
- Parts and Operating Manual
- Computer to Machine Industrial USB Cable
- 15' Power Supply Cable
- Mathey CNC Software (USB Memory Stick) for Windows®
- HDPE Shipping and Storage Case w/ Custom Foam Insert



MSA
1½" to 4"
O.D. Pipe



1SA
3" to 8"
O.D. Pipe



2SA
6" to 12"
O.D. Pipe

Item Number	Model	Pipe Sizes (NPS)
03.0117.MSA	MSA	1½, 2, 2½, 3, 3½, 4
03.0117.1SA	1SA	3, 3½, 4, 5, 6, 8
03.0117.2SA	2SA	6, 8, 10, 12
03.0117.SET	All 3 Above	1½ thru 12
03.0117.000	Software Only	All Models



Innovative pipefitter-friendly software interface:

Step-by-step software gives you complete control

- Operates on a common Windows laptop
- Simple icon-driven control screens
- Step-by step cut selection process
- Requires little to no training, set up and make cuts in minutes
- Dynamic on-screen display of cut
- Cutting speed can be user controlled during cut
- Automatic storage of previous cuts
- Multiple cut sequencing for automating common tasks
- Plasma torch auto-fire and stop control

The collage displays the following software windows:

- Cut Type:** Select Cut Type. Shows four icons representing different cut profiles.
- Saddle Selection:** Select Saddle Option. Shows a diagram of a pipe with a saddle cut and the option to select 'Saddle On'.
- Pipe Diameter (Nominal):** Select Pipe Diameter. Shows a diagram of a pipe with a diameter symbol and a dropdown menu set to '3'. There are also input fields for '3.500' and 'Custom Pipe Diameter (Inches)'.
- Branch Angle:** Select Angle of Branch Intersection. Shows a diagram of a pipe with a branch at an angle θ , with options for 90° and 180°.
- Z Offset:** Set Z Offset. Shows a diagram of a pipe with a saddle cut and Z-axis offsets: 0.0 IN, Min Z, Center, and Max Z (13.500 IN).
- Mathey CNC - Saddle Hole:** A control panel with a 'Return to configuration' button, a list of cut parameters (e.g., 3.500, 0.100, 1.900, 0.145, 90.000, 0.000), a 'Plasma Control' section, and a large circular graphic. At the bottom, there is a 'MACHINE INFORMATION' table and a 'CUT INFORMATION' table.

MACHINE INFORMATION		CUT INFORMATION		Time Left
Ring Gear Angle: XX DEGREES	Min Z: 0.100 in	Z Width: 1.610 in		00:35
Cartage position: XX INCHES	Max Z: 1.710 in	Cut Length: 5.975 in		
Torch Speed: XX (FPM)	Start Point: (1.71, 0)	End Point: (1.212, 24.9)		

JOLLI CHAIN MACHINES

MINI JOLLI CHAIN MACHINE

Extremely rugged yet lightweight, the Mini Jolli is our most popular chain cutting and beveling machine. Recommended for cutting a very broad range of pipe and vessels, the Mini Jolli Chain Machine easily adjusts from one pipe size to the next, precisely following the outside pipe diameter to produce a consistent bevel. The Mini Jolli's unique, compact design delivers exceptional performance and accurate results. Cuts pipe diameters 2" (51 mm) and larger.

- BEST CHOICE** | For small shop or maintenance facility
- BEST MACHINE** | For multiple pipe diameters
- FASTER** | Up to 50% faster than hand cutting and grinding
- ACCURATE** | Two wheel positions, Double Row Chain and available Guide Track ensure precision cutting and beveling

ITEM NO. 05.0520.000
TORCH SOLD SEPARATELY

Mini Jolli Chain Machine Includes:

- | Base machine
- | Torch Arm
- | Service Keys
- | Sliding Support
- | Hose Support
- | Rack-adjustable Torch Holder
- | Parts and Operating Manual

Optional Accessories:

- | Cotter Pin Drive Chain
- | Machine cutting torch
- | Storage box
- | Out-of-Round Roller Attachment
- | Guide Track

NOTE: FOR MAXIMUM CUTTING AND BEVELING ACCURACY THE USE OF OUR OPTIONAL GUIDE TRACK IS RECOMMENDED FOR PIPE OR VESSELS 18 INCHES (457 MM) IN DIAMETER AND LARGER.



MINI JOLLI | OPTIONS & ACCESSORIES

MINI JOLLI OPTIONS |

TORCH HOLDER | Your choice of either a 32-pitch or a metric Torch Holder for a 1 3/8" (35 mm) diameter machine torch

VARIABLE-SPEED MOTORIZED MODELS | Choosing a 115 VAC or 230 VAC motorized machine significantly reduces grinding

DRIVE CHAIN KITS | Convenient double-coated Drive Chain sold separately for all standard pipe and tubing sizes (custom sizes on request)

CONTOUR CUTTING ATTACHMENT | Creates highly accurate saddle and shallow miter angles requiring little or no grinding

MINI JOLLI ACCESSORIES |

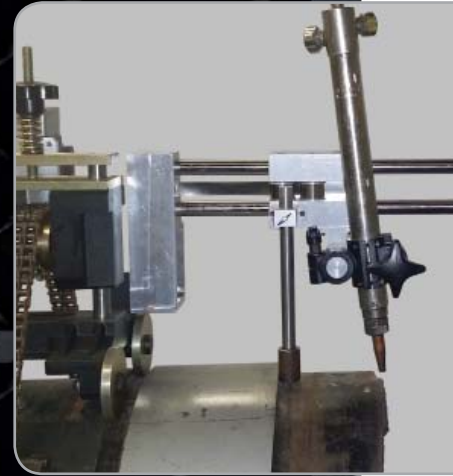
DUAL TORCH HOLDER | 2nd torch holder support and torch holder available for increased productivity

GUIDE TRACK | Fast setup for more accurate cutting of large pipe and vessel diameters above 18". Individual sections available to extend Guide Track range

REMOTE DRIVE CABLE | 9' (2.7M) and 14' (4.3M) flexible drive cables for remote operation

TORCHES & TIPS | Mathey Dearman offers a wide variety of torches and tips for all types of cutting gases

OUT-OF-ROUND ROLLER ATTACHMENT | keeps torch at constant height above pipe, minimizing notching when crossing a weld seam



Guide Track

MINI JOLLI

Model	Item Number	Est. Shipping Weight
Manual Mini Jolli	05.0520.000	34 lbs / 15.4 kg
Motorized Mini Jolli, 115 VAC	05.0520.M00	67 lbs / 30.4 kg
Motorized Mini Jolli, 230 VAC	05.0520.M04	67 lbs / 30.4 kg

**Includes 32-pitch torch holder. Add an E to the end of the item number shown to order a Mini Jolli with a metric torch holder.*

The available Out-of-Round Roller Attachment minimizes pipe notching when crossing a weld seam.



**DOUBLE-ROW
COTTER PIN CHAIN**

Move quickly from one pipe size to another with our Double-row Cotter Pin Chain designed for the Mini Jolli Chain Machine. Simply remove the cotter pins to add or remove sections of chain. Every link is a master link.

MINI JOLLI DRIVE CHAINS

Description	Wheel Position	Item Number	Est. Shipping Weight
Drive Chain Kit for 2" Pipe	1	01.0520.002	2 lbs / 1 kg
Drive Chain Kit for 3" Pipe	1	01.0520.003	2 lbs / 1 kg
Drive Chain Kit for 4" Pipe	2	01.0520.004	2 lbs / 1 kg
Drive Chain Kit for 6" Pipe	2	01.0520.006	3 lbs / 1.4 kg
Drive Chain Kit for 8" Pipe	2	01.0520.008	4 lbs / 1.8 kg
Drive Chain Kit for 10" Pipe	2	01.0520.010	4 lbs / 1.8 kg
Drive Chain Kit for 12" Pipe	2	01.0520.012	5 lbs / 2 kg
Drive Chain Kit for 16" Pipe	2	01.0520.016	6 lbs / 2.7 kg
Drive Chain Kit for 18" Pipe	2	01.0520.018	6 lbs / 2.7 kg
Drive Chain Kit for 20" Pipe	2	01.0520.020	7 lbs / 3 kg
Drive Chain Kit for 24" Pipe	2	01.0520.024	8 lbs / 3.6 kg
Drive Chain Kit for 28" Pipe	2	01.0520.028	9 lbs / 4 kg
Drive Chain Kit for 30" Pipe	2	01.0520.030	9 lbs / 4 kg
Drive Chain Kit for 32" Pipe	2	01.0520.032	10 lbs / 4.5 kg
Drive Chain Kit for 36" Pipe	2	01.0520.036	11 lbs / 5 kg
Drive Chain Kit for 40" Pipe	2	01.0520.040	12 lbs / 5.4 kg
Drive Chain Kit for 42" Pipe	2	01.0520.042	13 lbs / 5.9 kg
Drive Chain Kit for 48" Pipe	2	01.0520.048	14 lbs / 6.4 kg
Drive Chain Kit for 50" Pipe	2	01.0520.050	15 lbs / 6.8 kg
Drive Chain Kit for 52" Pipe	2	01.0520.052	15 lbs / 6.8 kg
Drive Chain Kit for 56" Pipe	2	01.0520.056	17 lbs / 7.7 kg
Drive Chain Kit for 60" Pipe	2	01.0520.060	18 lbs / 8.2 kg

Visit our website at www.mathey.com, under Support, for our Drive Chain Length Calculator.



MOTORIZING KITS

Upgrade your current Mini Jolli Chain Machine with our motorizing kit for even faster and more accurate cutting and beveling. This easy to install kit takes just minutes to add. Available in 115 VAC or 230 VAC versions.



SLIDING SUPPORT AND TORCH HOLDER |

Add a second sliding support and torch holder giving your Jolli Chain Machine the ability to bevel both sides of the cut line simultaneously.

ITEM NO. 05.0510.114 • 05.0510.117



REMOTE CABLE DRIVE |

Operate your Jolli Machine remotely when cutting large diameter pipe by attaching our flexible Drive Cable. Cable available in lengths of 9' (2.7m) and 14' (4.3m).

9' ITEM NO. 05.0510.FDC | 14' ITEM NO. 05.052.FD14



HEAVY DUTY STORAGE BOX |

Perfect for shipping and storing your Mathey Dearman Jolli Chain Machine, this rugged box is constructed from steel with a durable powder coat finish.

MINI JOLLI: ITEM NO. 05.0510.BOX



OPTIONAL TORCH HOLDER FOR PLASMA TORCH |

Elevates the Mini Jolli Torch Holder to the correct position for use with plasma torches.

ITEM NO. 05.0510.301



ADAPTER FOR PLASMA TORCH HOLDERS |

Adapts customer-supplied torch holders to Mathey Dearman Mini Jolli Chain Machines.



ITEM NO. 05.0510.302

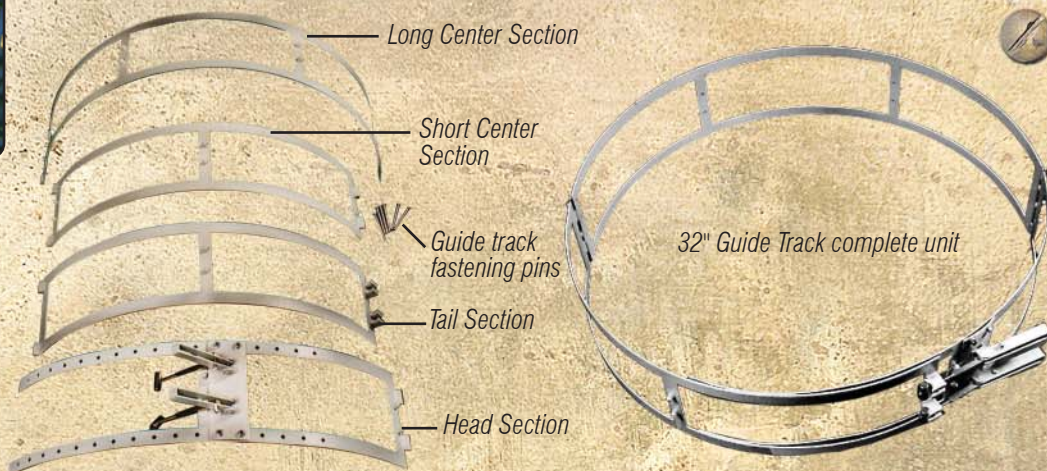




Track components can be added and removed as needed when changing pipe diameters and are sold in four main sections:

GUIDE TRACKS

Mini Jolli Guide Tracks ensure optimum cut accuracy and fit-up while reducing set-up time up to 20%. Guide Tracks are designed for use on horizontal and vertical pipes 18" (457 mm) and larger, and are required when using the Contour Cutting Attachment.



Guide Track insures precise square-cuts on 18" (457 mm) and larger pipes.

GUIDE TRACK ORDERING GUIDE

NOTE: EACH SECTION INCLUDES TWO (2) PINS

Model	Head Section	Tail Section	Short Center Section	Long Center Section
Mini Jolli	05.0520.013B	05.0520.013D	05.0520.013C	05.0521.013A
Weight (lbs / kg)	4.7 / 2	3.6 / 1.6	3.2 / 1.5	4.3 / 2
Pipe Range in (mm)	Guide Track Section(s) Required			
18 - 22 (458 - 559)	1	1		
18 - 32 (610 - 813)	1	1	1	
18 - 36 (864 - 914)	1	1	1	1
18 - 48 (1118 - 1219)	1	1	2	2
18 - 52 (1270 - 1321)	1	1	2	2
18 - 58 (1372 - 1473)	1	1	2	2
18 - 64 (1524 - 1625)	1	1	3	1
18 - 72 (1674 - 1829)	1	1	2	2

For pipe sizes larger than 72" (1828 mm) contact the Mathey Dearman sales department for assistance in selecting the correct Guide Track components.

JOLLI CHAIN MACHINE | ACCESSORIES

Accessory Description	Item Number	Est. Shipping Weight
Mini Jolli Motorizing Kit - 115 VAC	05.0510.A01	13 lbs / 6 kg
Mini Jolli Motorizing Kit - 230 VAC	05.0510.A04	24 lbs / 13.6 kg
Sliding Support for 2nd Torch	05.0510.114	1 lbs / .5 kg
1 3/8" (35 mm) Torch Holder with 32-pitch pinion	05.0510.117	.7 lbs / .3 kg
1 3/8" (35 mm) Torch Holder with metric pinion	05.0510.117E	.7 lbs / .3 kg
9' (274 cm) Flexible Remote Drive Cable	05.0510.FDC	12 lbs / 5.4 kg
14' (427 cm) Flexible Remote Drive Cable	05.0510.FD14	15 lbs / 6.8 kg
Out-of-Round Roller Attachment	05.0520.300	7 lbs / .3 kg
Storage Box	05.0520.BOX	28 lbs / 12.7 kg
Plasma Adapter - customer supplied torch	05.0510.301	2 lbs / 1 kg
Plasma Adapter - elevates Mini Jolli Torch Holder	05.0510.302	4 lbs / 2 kg
15' Extension Cord (USA Model only)	03.0203.020	1.2 lbs / 0.5 kg
Protective Leather Sleeve for power cord (recommended)	05.0550.SLV	1.5 lbs / 0.7 kg

NOTE: A step-down transformer is also available for international voltages.

BAND CRAWLER CUTTING AND BEVELING MACHINES

Band Crawler Includes:

- | Adjustable-height Torch Carrier
- | 9' (2.7 M) or 14' (4.3 M) Flexible Drive Cable
- | Parts and Operating Manual

NOTE: MACHINE TORCH AND TORCH ANGLE HEAD ADAPTER SOLD SEPARATELY

MOTORIZED BAND CRAWLER

PRECISE | Band conforms precisely to the out-of-round condition of the pipe to maintain consistent cutting tip distance from pipe surface

SIMPLE | One person can set up and cut horizontal or vertical pipes as large as 48" (1219 mm)

LOW PROFILE | Requires as little as 10 ½" (267 mm) of radial clearance

ONE SIZE FITS ALL | One Band Crawler fits all Band sizes

FAST | 60% faster than hand cutting and grinding

PLASMASPEED | Available with PlasmaSpeed Digital Motor Control

plasmaSPEED



BAND CRAWLER | POPULAR ACCESSORIES

TORCH ANGLE HEAD ADAPTER | Allows the torch tip to be adjusted for any angle from a square cut (no bevel) to a bevel angle up to 90 degrees while also allowing torch lead or lag angle adjustment.

ITEM NO. 05.0200.003



RIGHT ANGLE DRIVE ADAPTER | Permits the Flexible Drive Cable to pivot 180 degrees on the end of the Band Crawler, lowering the profile of the Crawler to 6" (153 mm).

ITEM NO. 05.0116.030



The ideal solution for cutting and beveling in close quarters, our Band Crawler requires as little as 6" (153 mm) of clearance around the pipe. Install the stainless steel Band anywhere on the pipe and it conforms to the pipe shape, producing a consistent precise bevel, even on severely out-of-round pipe. Our lightweight Band Crawler can be quickly set up and operated by one person on pipe as large as 60" (1524 mm). Bands 48" (1219 mm) and larger feature a standard stiffening rib which simplifies one-person set-up.

BAND CRAWLER OPTIONS

MOTORIZING KITS | Variable-speed 115 VAC or 230 VAC available

FLEXIBLE DRIVE CABLE | 9' (2.7m) length for pipe diameters up to 30" or 14' (4.3m) length for pipe diameters over 30"

BANDS | Bands for all sizes of pipe and vessels 6" (152 mm) and larger

The Motorized Band Crawler can increase cutting and beveling efficiency of large diameter pipes up to 60% and is the quickest and easiest cutting tool to set up on vertical pipe.

BAND CRAWLER MODELS

Model	Item Number	Est. Shipping Weight
Band Crawler with 9' (2.7m) Flexible Drive Cable	05.0116.009	26 lbs / 12 kg
Band Crawler with 14' (4.3m) Flexible Drive Cable	05.0116.014	30 lbs / 14 kg
115 VAC Motorized Band Crawler, plasma speed	05.0116.M07	27 lbs / 12.35 kg
230 VAC Motorized Band Crawler, plasma speed	05.0116.M08	27 lbs / 12.35 kg



DRIVE CABLE | Enables the motorized Band Crawler to be retrofitted to manual operation. Available in 9' (2.7m) and 14' (4.3m) lengths.

ITEM NO. 05.0116.022 ITEM NO. 05.0116.031



RACK ADJUSTABLE TORCH ARM | Allows both horizontal and vertical adjustment of the torch in relationship to the pipe surface.

ITEM NO. 05.0116.032



DOUBLE TORCH ARM | Makes two cuts and bevels simultaneously, reducing cutting time and labor.

ITEM NO. 05.0116.039



BANDS

Pipe Size in (mm)	Item Number	Est. Shipping Weight
6" (152 mm)	05.0104.006	5 lbs / 2 kg
8" (203 mm)	05.0104.008	6 lbs / 3 kg
10" (254 mm)	05.0104.010	7 lbs / 3 kg
12" (305 mm)	05.0104.012	7 lbs / 3 kg
14" (356 mm)	05.0104.014	11 lbs / 5 kg
16" (406 mm)	05.0104.016	12 lbs / 5 kg
18" (457 mm)	05.0104.018	14 lbs / 6 kg
20" (508 mm)	05.0104.020	16 lbs / 7 kg
22" (559 mm)	05.0104.022	17 lbs / 8 kg
24" (610 mm)	05.0104.024	18 lbs / 6 kg
26" (660 mm)	05.0104.026	20 lbs / 9 kg
28" (711 mm)	05.0104.028	22 lbs / 10 kg
30" (762 mm)	05.0104.030	25 lbs / 11 kg
32" (813 mm)	05.0104.032	26 lbs / 12 kg
34" (864 mm)	05.0104.034	27 lbs / 12 kg
36" (914 mm)	05.0104.036	29 lbs / 13 kg
38" (965 mm)	05.0104.038	31 lbs / 14 kg
40" (1016 mm)	05.0104.040	33 lbs / 15 kg
42" (1067 mm)	05.0104.042	36 lbs / 16 kg
44" (1118 mm)	05.0104.044	39 lbs / 18 kg
46" (1168 mm)	05.0104.046	43 lbs / 20 kg
48" (1219 mm)	05.0104.048	90 lbs / 41 kg
50" (1270 mm)	05.0104.050	92 lbs / 42 kg
52" (1321 mm)	05.0104.052	96 lbs / 44 kg
54" (1372 mm)	05.0104.054	100 lbs / 45 kg
56" (1422 mm)	05.0104.056	106 lbs / 48 kg
58" (1473 mm)	05.0104.058	110 lbs / 50 kg
60" (1524 mm)	05.0104.060	115 lbs / 52 kg

NOTE: Bands from 6" to 12" (152 mm to 305 mm) are made from 14 gauge stainless steel. Bands 14" (356 mm) and larger are made from 12 gauge stainless steel.

BAND CRAWLER ACCESSORIES

Item/ Assembly Description	Item Number	Est. Shipping Weight
Motorizing Retrofit Kit, 115 VAC	05.0116.A07	9 lbs / 4 kg
Motorizing Retrofit Kit, 230 VAC	05.0116.A08	9 lbs / 4 kg
Rack-Adjustable Torch Arm	05.0116.032	3 lbs / 1.4 kg
Double Torch Arm	05.0116.039	4 lbs / 1.8 kg
Right Angle Drive Adapter (for Drive Cable)	05.0116.030	2 lbs / .9 kg
Torch Angle Head Adapter	05.0200.003	1.2 lbs / .5 kg
Protective Leather Cable Sleeve	05.0550.SLV	1.5 lbs / .7 kg

BAND CRAWLER REPLACEMENT PARTS

Item/ Assembly Description	Item Number	Est. Shipping Weight
Replacement Band Latch Assembly		
6" to 12" / 153 to 305 mm	05.0103.100	1.5 lbs / .68 kg
14" and up / 356 mm and up	05.0103.102	1.7 lbs / .77 kg
Crawler Parts		
Grease Fitting	01.0469.003	.1 lbs / .05 kg
Worm Gear Shaft Assembly	05.0116.002	.3 lbs / .14 kg
Worm Gear Shaft Bearing	05.0116.003	.1 lbs / .05 kg
Drive Wheel Assembly (4 Req.)	05.0116.083	15 lbs / .07 kg
Crank Handle Assembly	05.0116.026	.3 lbs / .14 kg
Torch Holder Eccentric	05.0116.008	4 lbs / .18 kg
Set Screw	05.0116.011	.25 lbs / .11 kg
Connector	05.0116.012	.15 lbs / .07 kg
End Plug	05.0116.021	.15 lbs / .07 kg
Flex Drive Cable, 9' / 2.7 m	05.0116.022	12 lbs / 5.4 kg
Flex Drive Cable, 14' / 4.3 m	05.0116.031	15 lbs / 6.8 kg

MAGNACUT XM PIPE/PLATE CUTTER & WELDER



ITEM NO. 05.0550.000XM

MAGNACUT XM

Featuring a variable-response Motorized Torch Arm, the revolutionary MagnaCut XM cuts, bevels, and welds steel pipe and steel plate without chains, clamps, or other devices. Generating 300 pounds of magnetic force, powerful rare earth magnets in the wheels secure the MagnaCut XM to pipe and plate with a coating of up to .015" (.4 mm) thick. Cuts materials with wall thicknesses up to 3" (76 mm).

Each weld or cut is controlled remotely by the handheld Motor Control Box, keeping the operator a safe distance away and allowing the MagnaCut XM to work in hard-to-reach locations such as overhead and on vertical pipes. The MagnaCut XM works with all standard torches including oxy-fuel and plasma, tracking perfectly straight on steel plate when used with 1" x 1" x 1/8 (25mm x 25mm x 3mm) angle as a guide track.

MagnaCut XM Includes:

- | MagnaCut XM machine
- | 115 VAC Motor Control Box
- | Motorized Torch Arm
- | Torch Holder
- | Torch Support
- | Hose Support
- | Safety Strap – 74" (1880 mm) for up to 24" (610 mm) pipe
- | Snap Hooks (2)
- | Service Keys
- | Storage Box
- | Protective Leather Cable Sleeve
- | Parts and Operating Manual

NOTE: MACHINE TORCH SOLD SEPARATELY.

MINIMUM SET-UP | Ready to operate in minutes

VERSATILE | Cuts pipe, plate, walls and overheads

SAFE | Remote control allows operator to work a safe distance from the pipe

STRONG | Rare-earth magnets hold the MagnaCut XM to the pipe surface with 300 pounds of force

FAST | Up to 80% faster than cutting by hand; cuts or welds up to 40" (1016 mm) per minute

WARNING: MAGNACUT XM SHOULD NOT BE USED ON HEAVY WALL PIPE OR PLATE THICKER THAN 3" (76mm). THE MAGNACUT XM IS NOT DESIGNED FOR USE WITH 1 3/4" (44 mm) OR 2 1/2" (64 mm) BARREL PLASMA TORCHES. MAGNACUT XM IS NOT DESIGNED FOR CUTTING SPIRAL WELDED PIPE. ALWAYS SECURE THE MAGNACUT XM TO THE PIPE WITH A SAFETY STRAP. A SAFETY STRAP SHOULD ALSO BE USED IN CONJUNCTION WITH GUIDE TRACKS.

PERSONS WEARING A PACEMAKER SHOULD NOT COME IN CONTACT WITH THIS EQUIPMENT. PLEASE CONTACT MATHEY DEARMAN PRIOR TO ATTEMPTING ANY APPLICATION NOT LISTED IN THIS CATALOG.

MAGNACUT XM AND ACCESSORIES

Model	Item Number	Est. Shipping Weight
MagnaCut XM, 115 VAC	05.0550.000XM	60 lbs / 27 kg
230-115 VAC Step-Down Transformer	01.0759.008	5.5 lbs / 2.5 kg



GUIDE TRACK | For even greater cutting accuracy, a Guide Track can be used to cut pipe or plate with the MagnaCut XM. 1" x 1" x 1/8" (25 mm x 25 mm x 3 mm) thick angle iron can be rolled to fit a specific diameter of pipe, cutting it into two (2) sections and then bolting it together.

MOTOR CONTROL BOX

MagnaCut XM Motor Control Box | The Motor Control Box allows for precise speed, forward and reverse control of the MagnaCut XM. The Torch Arm Toggle Switch on the Motor Control Box is spring loaded for accurate location of the cutting or welding torch during use.



MAGNACUT XM TECHNICAL SPECIFICATIONS

Description	MagnaCut XM
Method of Attachment to Pipe or Plate	Rare Earth Magnets
Magnetic Pull per Wheel Assembly	150 lbs / 68 kg
Maximum Pipe Coating Thickness	Up to 15 mils or .015" / .4 mm thick.
Set-up Time	2 Minutes or less
Cutting Range (Pipe O.D.)	6 5/8" / 168 mm and larger
Cutting Range (Pipe I.D.)	24" / 610 mm and larger
Vertical Cutting Capability	Pipe or Plate
Horizontal Cutting Capability	Pipe or Plate
Diagonal Cutting Capability	Plate only
Miter or Saddle Cutting Capability on Pipe	Shallow Miters or Saddles only
Minimum Speed	2" / 51 mm per Minute
Maximum Speed	40" / 1016 mm per Minute
Net Weight	37 lbs / 16.7 kg
Shipping Dimensions	24 1/2" x 8 7/8" x 19 1/2" " / 622 x 225 x 495 mm
Machine Dimensions	
Width (Torch Arm Extended)	17" / 432 mm
Length	14" / 356 mm
Height	5 1/4" / 133 mm
Electrical Requirement	115 VAC or 230 VAC (with Transformer)

MagnaCut XM can be used to cut pipe with wall thickness up to 3" (76 mm).

MagnaCut XM can be used on pipe with coating up to 0.015" (0.4 mm) thick.



Torch Elevation Adapter:
Designed to elevate the MagnaCut XM torch holder to accommodate a plasma machine torch or a machine welding torch. (Torch and torch rack sold separately)

Item No. 05.0510.301



Torch Elevation Adapter for Non-Mathey Dearman Torch Holder:
Designed to adapt to torch holders other than supplied with MagnaCut XM. Torch and Torch Rack sold separately.

Item No. 05.0510.302

MAGNACUT XM PARTS AND ACCESSORIES

	Item Number	Est. Shipping Weight
1 3/8" / 35 mm Torch Holder with 32 Pitch Pinion	05.0510.117	0.7 lbs / 0.3 kg
1 3/8" / 35 mm Torch Holder with Metric Pinion	05.0510.117E	0.7 lbs / 0.3 kg
115 VAC Motor Control Box	05.0550.110	7.7 lbs / 3.5kg
Fuse, 3 Amp Time Delay	05.0550.038	0.0 lbs / 0.0 kg
230-115 VAC Step-Down Transformer	01.0759.008	5.5 lbs / 2.5 kg
12' / 3.7 M Extension Cord	05.0550.014	0.9 lbs / 0.4 kg
24 VDC Torch Arm Motor	05.0550.055	0.8 lbs / 0.4 kg
100 VDC Drive Motor	05.0550.016	0.9 lbs / 0.4 kg
Snap Hook (2 required)	05.0550.035	0.1 lbs / 0.0 kg
Safety Cable, 24" / 610 mm Diameter	05.0550.052	1.8 lbs / 0.8 kg
Plasma Adapter, Non-Mathey Torch Holder	05.0510.301	2.0 lbs / 0.9 kg
Plasma Adapter, Elevates MagnaCut Torch Holder	05.0510.302	4.0 lbs / 1.8 kg
Protective Leather Cable Sleeve	05.0550.SLV	1.5 lbs / 0.7 kg

MAGNACUT XM GUIDE TRACK

Pipe Diameter in (mm)	Item Number	Est. Shipping Weight
18 (457)	05.0550.218	6 lbs / 3 kg
20 (508)	05.0550.220	7 lb s/ 3 kg
24 (610)	05.0550.224	8 lbs / 4 kg
28 (711)	05.0550.228	8.5 lbs / 4 kg
30 (762)	05.0550.230	9 lbs / 4 kg
32 (813)	05.0550.232	10 lbs / 5 kg
36 (914)	05.0550.236	11 lbs / 5 kg
42 (1067)	05.0550.242	13 lbs / 6 kg
48 (1219)	05.0550.248	15 lbs / 7 kg

CONTACT OUR SALES DEPARTMENT FOR LARGER O.D. AND I.D. GUIDE TRACKS

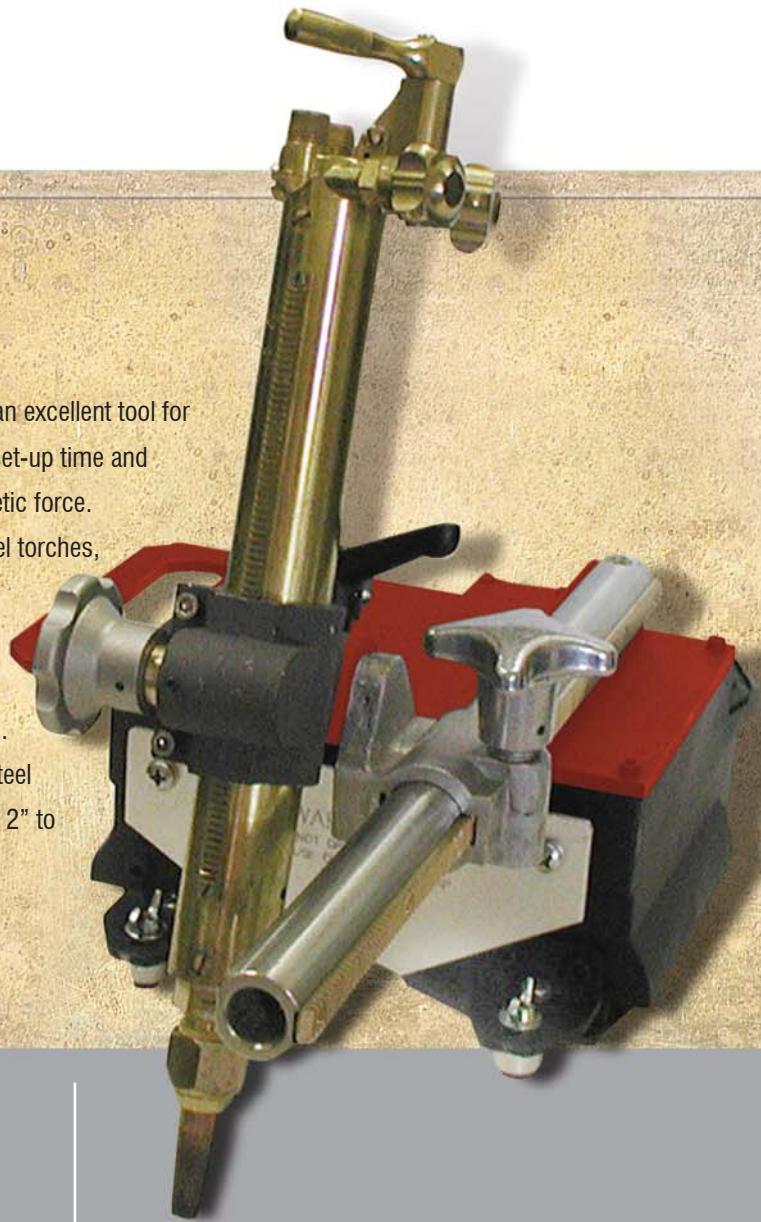
MINIMAG XM PIPE/PLATE CUTTER & WELDER

MINIMAG XM

Like the MagnaCut XM, the versatile MiniMag XM is an excellent tool for cutting, beveling, and welding. It requires minimum set-up time and secures to work surfaces with 300 pounds of magnetic force.

The MiniMag XM can be used with plasma or oxy-fuel torches, but unlike the larger MagnaCut XM, does not offer a motorized torch arm. The MiniMag XM cuts pipe and plate with a coating up to .015" thick, and will cut materials with wall thicknesses up to 3" (76 mm).

The MiniMag XM can also make flawless welds on steel plate and other flat surfaces, with travel speeds from 2" to 40" (51 mm to 1016 mm) per minute.



- | 115 VAC or 230 VAC MiniMag XM Machine
- | Storage Box
- | Motor Control Box
- | Torch Arm
- | Torch Holder
- | Sliding Support
- | Safety Cable fits up to 24" (610 mm) pipe
- | Snap Hooks (2)
- | Cable Latch
- | Protective Leather Cable Sleeve
- | Parts and Operating Manual

NOTE: MACHINE TORCH SOLD SEPARATELY.

QUICK | Sets up and is ready to cut in minutes

VERSATILE | Makes horizontal and vertical cuts, bevels plate and pipe at angles to 45 degrees

FLEXIBLE | Works with all standard torches (including plasma)

PRECISE | Meets even the most exacting cutting specifications

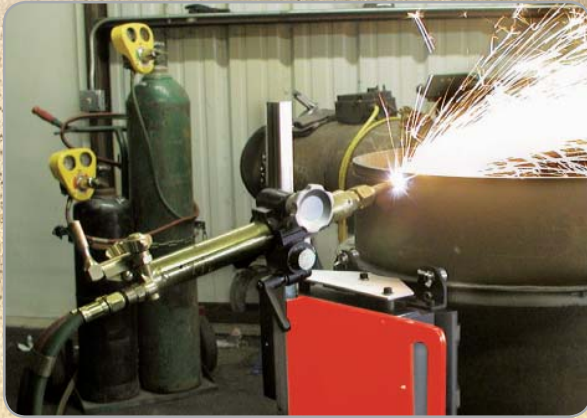
FAST | Up to 80% faster than cutting by hand

CAUTION: The MiniMag XM should not be used on heavy wall pipe or plate thicker than 3" (76 mm)

Persons wearing a Pacemaker should not come in contact with this equipment.

MINIMAG XM AND ACCESSORIES

Model	Item Number	Est. Shipping Weight
MiniMag XM, 115 VAC	05.0550.MINIXM	39 lbs / 17.6 kg
MiniMag XM, 230 VAC	05.0550.MINIXM2	39 lbs / 17.6 kg



Cutting and welding on vertical pipe and plate is accomplished safely and with ease when the MiniMag XM is used with an optional Guide Track.



The ability to precisely control cutting speed helps the MiniMag XM and a plasma torch create perfect cuts and bevels that require little or no grinding.

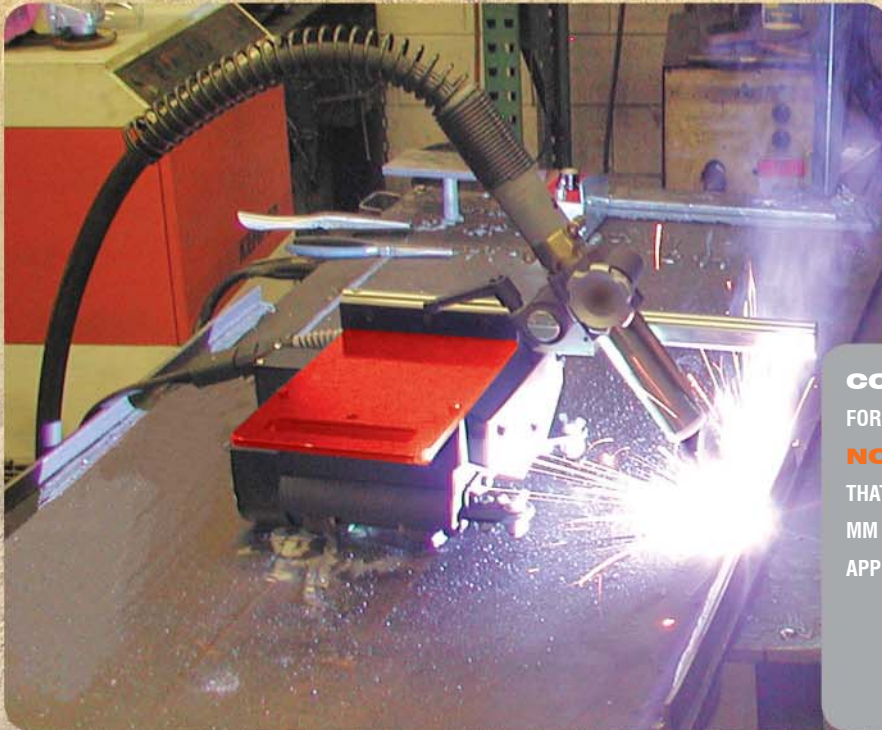
MINIMAG XM TECHNICAL SPECIFICATIONS

Description	
Method of Attachment	Rare Earth Magnets
Holding Force	150 lbs / 68 kg per Wheel Assembly 300 lbs (136 Kg) Total
Set Up Time	2 Minutes or less
Minimum Cutting Range	O.D. - 6 5/8" / 168 mm I.D. - 24" / 610 mm
Minimum Speed	2" / 51 mm per minute
Maximum Speed	40" / 1016 mm per minute
Net Weight	31 lbs / 14 kg
Shipping Dimensions	24" x 8 7/8" x 19 1/2" / 622 x 255 x 495 mm
Dimensions	
Width	17" (432 mm)
Length	13" (330 mm)
Height	9" (229 mm)
Electrical Requirement	115 VAC or 230 VAC



Custom Storage Box included

MINIMAG XM WELDING



In addition to perfect cuts and bevels, the MiniMag XM can make flawless welds on steel plate and other flat surfaces, moving at speeds from 2" to 40" (51 mm to 1016 mm) per minute. The machine is remotely controlled by the handheld Motor Control Box, keeping the operator a safe distance from the work.

CONTACT MATHEY DEARMAN TECHNICAL SALES FOR DETAILS ON WELDING WITH THE MINIMAG XM

NOTE: THE MINIMAG XM IS EQUIPPED WITH GUIDES THAT CAN BE USED WITH 1" X 1" X 1/8" (25 MM X 25 MM X 3 MM) ANGLE IRON FOR VERTICAL WELDING APPLICATIONS



OXY-FUEL ACCESSORY: TORCH SHUT-OFF VALVE

Our Torch Shut-Off Valve allows the operator, with a simple flip of a switch, to shut-off gas flow to the torch without changing the oxygen and fuel settings. Inlets and outlets are 9/16"-18 hose thread.

ITEM NO. 05.0200.014



TORCHES AND ACCESSORIES

TORCHES

Mathey Dearman offers professional grade torches and accessories including oxy-fuel torches with 1 3/8" (35 mm) barrel diameter, with and without Torch Rack. Check Valves are included with all torches sold in the United States and are available for most fuel gases.

SELECTING THE RIGHT TORCH

Machine torch selection depends on the machine type and pipe diameter. Please refer to the following charts and photos for the best torch to use with each Mathey Dearman machine and cutting application. The Mathey Dearman sales staff is well-trained and ready to answer your questions, if you need help. Just pick up the phone or email us at sales@mathey.com



Getting the right cut and bevel requires the right torch and tip. Mathey Dearman's professional grade torches and accessories, available in all standard diameters and fuel types, can handle any size pipe and working conditions.

MATHEY MACHINE TORCH

Item No. 05.0300.005 w/o rack
Item No. 05.0300.008 w/ rack

VICTOR MACHINE TORCH MT204A

Item No. 05.0200.001

VICTOR MACHINE TORCH MT210A

Item No. 05.0200.002
32 Pitch Rack for MT210A - 05.0200.004

MACHINE TORCH SELECTION CHART FOR MATHEY DEARMAN MACHINES AND PIPE DIAMETERS

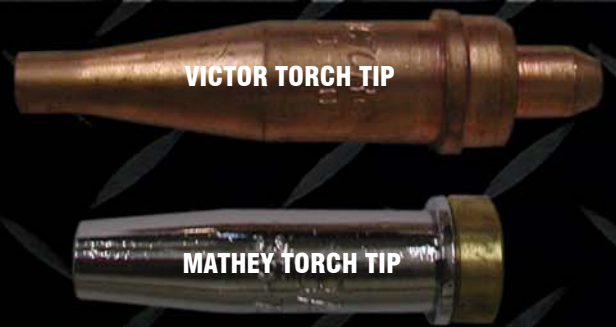
Model	Item No. 05.0200.001 Victor MT204A 4.5" Machine Torch	Item No. 05.0200.002 Victor MT210A 10" Machine Torch	Item No. 05.0200.003 Victor Torch Angle Head Adapter	Item No. 05.0300.005 8" Mathey Torch w/o Rack	Item No. 05.0300.008 8" Mathey Torch w/ Rack
MSA	4" (102 mm) only	1 1/2" to 4" (38 to 102 mm)		4" (102 mm) only	
1SA	8" (203 mm) only	3" to 8" (76 to 203 mm)		8" (203 mm) only	
2SA	12" (305 mm) only	6" to 12" (152 to 305 mm)		12" (305 mm) only	
3SA		12" to 20" (305 to 508 mm)			
4SA		20" to 25" (508 to 635 mm)			
5SA		24" to 30" (610 to 762 mm)			
6SA		24" to 30" (610 to 762 mm)			
8SA		40" to 48" (1016 to 1219 mm)			
MagnaCut XM	All diameters with bevel angles to 20 degrees	All diameters with bevel angles to 37 1/2 degrees			
MiniMag XM	All diameters with bevel angles to 20 degrees	All diameters with bevel angles to 37 1/2 degrees			
Mini Jolli	All diameters with bevel angles to 30 degrees	All diameters with bevel angles to 37 1/2 degrees		All diameters with bevel angles to 37 1/2 degrees	All diameters with bevel angles to 37 1/2 degrees
Maxi Jolli	All diameters with bevel angles to 30 degrees	All diameters with bevel angles to 37 1/2 degrees		All diameters with bevel angles to 37 1/2 degrees	All diameters with bevel angles to 37 1/2 degrees
Band Crawler		All diameters	All diameters		

SELECTING THE PROPER CUTTING TORCH TIP

General rules for calculating material thickness to select the appropriate cutting torch tip are:

- | 15 degree bevel angle is 1 times the pipe wall thickness
- | 30 degree bevel angle is 1.2 times the pipe wall thickness
- | 37 1/2 degree bevel angle is 1.3 times the pipe wall thickness
- | 45 degree bevel angle is 1.4 times the pipe wall thickness

EXAMPLE - 8"—Schedule 80 pipe has a wall thickness of .500" (12.7 mm). To calculate the material thickness to be cut at a torch bevel angle of 37 1/2 degrees: multiply .500" (12.7 mm) x 1.3 = .650" (16.5 mm).



SINGLE JACKSCREW CHAIN CLAMP

The Single Jackscrew Chain Clamp reforms the mating side of the weld gap and is capable of reforming up to Schedule 40 pipe.* Each jackbar is equipped with its own jackscrew to exert pressure on the high points of the mating pipe, eliminating “High-Low” as pipe and fittings are aligned. Pipe with wall thickness to Schedule 80 can be aligned with the Single Jackscrew Chain Clamp.* The Level and Support Device of the Chain Clamp allows elbows, tees, flanges and other fittings to be held safely and securely for alignment and welding. The Single Jackscrew Chain Clamp is available in nickel plated carbon steel chain and stainless steel chain versions to fit pipe from 1” to 54” (25 mm to 1372 mm) in diameter. Although all Mathey Dearman Chain Clamps feature stainless steel Jackscrews, Jackbars and Main Blocks, stainless steel chain should always be used for stainless steel and specialty alloy applications to avoid potential contamination.



- ACCURATE** | Aligns within 1/64" (.4 mm) of an inch
- HEAVY DUTY** | Aligns pipe with wall thickness to Schedule 80
- STRONG** | Reforms mating pipe with wall thickness to Schedule 40
- SAFER** | Level and Support Device holds fittings safely and securely
- VERSATILE** | Aligns and reforms pipe, elbows, tees and other fittings

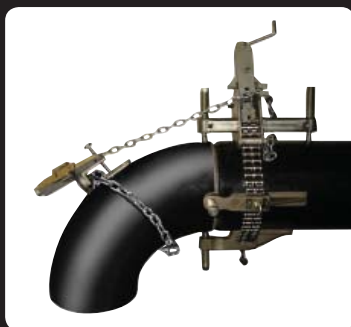
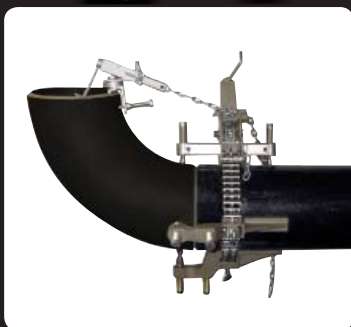


Single Jackscrew Jackbar

THE SINGLE JACKSCREW CHAIN CLAMP SHOULD NEVER BE USED AS THE SOLE SUPPORT FOR THE PIPE OR TO LIFT THE PIPE. DO NOT EXCEED PIPE SIZE RANGE LISTED OR USE ANY TYPE OF CHAIN OTHER THAN SUPPLIED WITHOUT FIRST CONTACTING THE MATHEY DEARMAN SALES DEPARTMENT. USE OF CHAIN NOT SUPPLIED WITH THE CLAMP BY MATHEY DEARMAN WILL VOID THE CLAMP WARRANTY.

Elbow up
(Double Jackscrew Jackbar)

Elbow down
(Single Jackscrew Jackbar)



Single Jackscrew Chain Clamp Includes:

- | Nickel plated carbon steel or stainless steel duplex roller chain
- | Stainless steel Single Jackscrew Jackbars, quantity as indicated in specifications
- | Stainless steel Main Block
- | Stainless steel Level and Support Device
- | Jackscrew Breaker Bar with Socket
- | Heavy-duty Storage Box
- | Parts and Operating Manual

Single Jackscrew Chain Clamp Benefits:

- | One Chain Clamp covers the range of 8 cage clamps
- | Pipe and fittings can be fully welded with clamp in place
- | Jackscrew contact points swivel to protect against marring the pipe
- | Optional Spacing Screws available to assist in setting weld gap
- | An add-on Jackbar can be added when additional reforming pressure is needed.

The Single Chain Clamp reduces fatigue as elbows, tees and other fittings can be held easily in place while being accurately aligned with the Level and Support Device.

SINGLE JACKSCREW CHAIN CLAMP | SPECIFICATIONS

Model	Number of Jackbars	Nominal Pipe Size Range in (mm)	Reforms Pipe to Schedule*	Aligns Pipe to Schedule	Est. Shipping Weight
D231	3	1-8 (25-203)	40	80	21 lbs / 9 kg
D231SS	3	1-8 (25-203)	40	80	21 lbs / 9 kg
D232	7	4-16 (102-406)	40	80	68 lbs / 31 kg
D232SS	7	4-16 (102-406)	40	80	68 lbs / 31 kg
D233	8	10-36 (254-914)	40	80	144 lbs / 67 kg
D233SS	8	10-36 (254-914)	40	80	144 lbs / 67 kg
D234	13	10-54 (254-1372)	40	80	170 lbs / 79 kg
D234SS	13	10-54 (254-1372)	40	80	170 lbs / 79 kg

*Calculations are based on pipe with a tensile strength of 45,000 lbs per square inch / 3,164 kg per square centimeter

SS - Indicates clamp includes stainless steel chain. All clamps equipped with stainless steel Jackbars, Jackscrews, and Main Blocks.

* Calculations are based on pipe with a tensile strength of 45,000 lbs per square inch

NOTE: MATHEY DEARMAN CHAIN CLAMPS CAN BE RECONFIGURED FOR STAINLESS STEEL AND OTHER SPECIALTY ALLOY APPLICATIONS. REPLACE THE CARBON STEEL ROLLER CHAIN WITH STAINLESS STEEL CHAIN. (ALL OTHER COMPONENTS OF CHAIN CLAMPS ARE MADE OF STAINLESS STEEL)

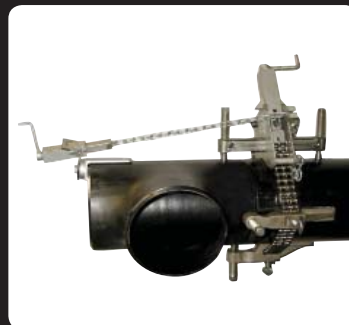
Cross-tee horizontal
(Single Jackscrew Jackbar)



Cross-tee vertical
(Single Jackscrew Jackbar)



Tee in-line
(Single Jackscrew Jackbar)



Pipe to pipe horizontal
(Single Jackscrew Jackbar)



DOUBLE JACKSCREW CHAIN CLAMP

Mathey Dearman's Double Jackscrew Chain Clamp reforms Schedule 40 pipe on either side of the joint to be welded. It is also able to exert pressure on the high points of both sides to eliminate "Hi-Low." The Chain Clamp's Level and Support Device allows the pipe, elbow, tee, flange and other fittings to be held securely in place during alignment and welding. Pipe with wall thicknesses up to Schedule 80 can be aligned with the Double Jackscrew Chain Clamp. Mathey Dearman Double Jackscrew Chain Clamps are available in carbon steel chain and stainless steel chain versions to fit pipe from 1" to 54" (25 mm to 1372 mm) in diameter. Although all Mathey Dearman Chain Clamps feature stainless steel Jackscrews, Jackbars and Main Blocks, stainless steel chain should be used on stainless steel or specialty alloy applications to avoid potential contamination.

EXTRA WELDING CLEARANCE | Jackbar design provides additional clearance, so the weld can be easily completed with clamp in place

PRECISE ALIGNMENT | Double Jackbars spaced around the diameter of the pipe allow reforming on both sides of joint to within 1/64" (.4mm)

HEAVY DUTY | Aligns pipe with wall thickness up to Schedule 80

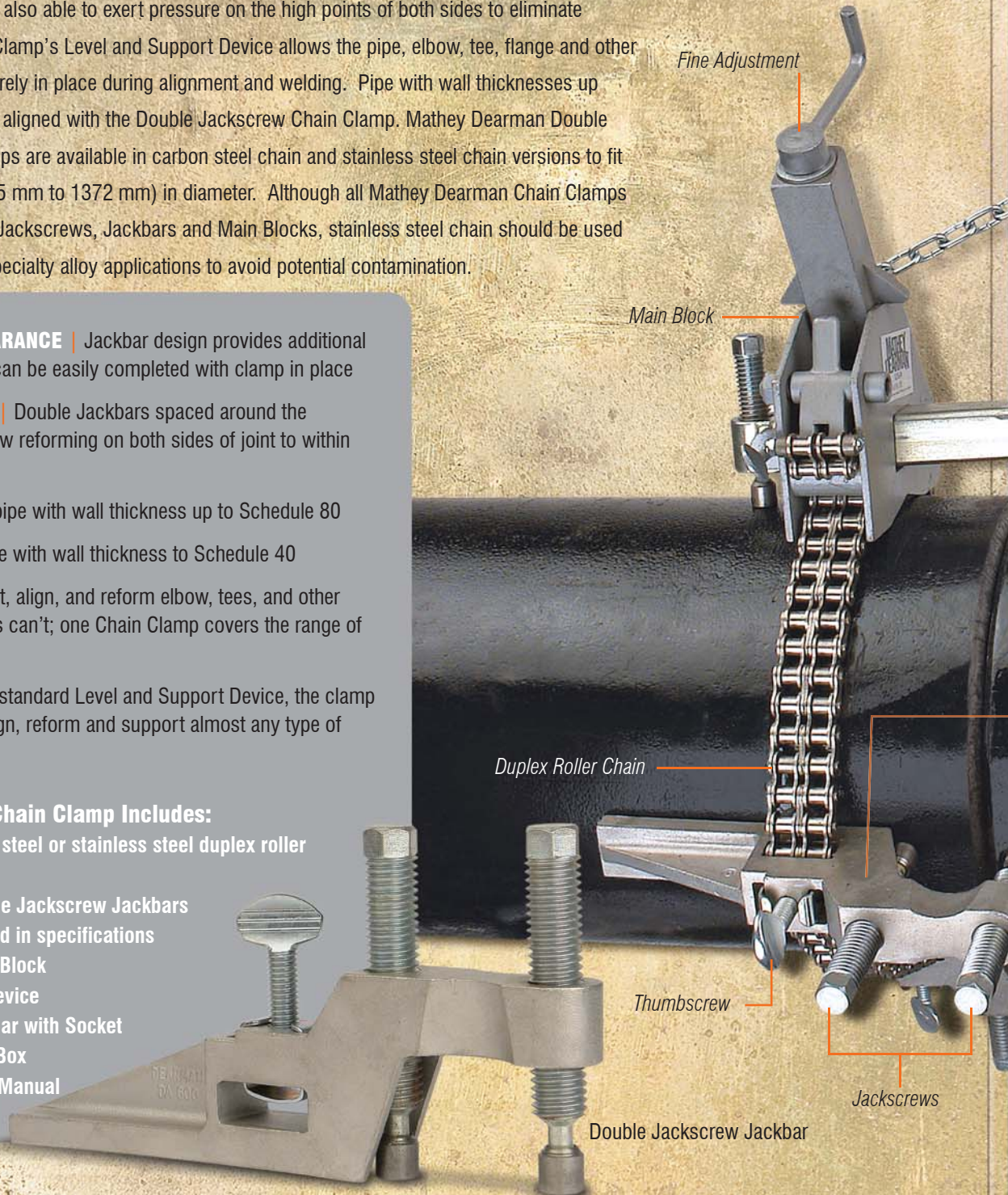
STRONG | Reforms pipe with wall thickness to Schedule 40

WIDE RANGE | Support, align, and reform elbow, tees, and other fittings that cage clamps can't; one Chain Clamp covers the range of 8 cage clamps

VERSATILE | With the standard Level and Support Device, the clamp can be configured to align, reform and support almost any type of fitting for welding

Double Jackscrew Chain Clamp Includes:

- | Nickel plated carbon steel or stainless steel duplex roller chain
- | Stainless steel Double Jackscrew Jackbars - quantity as indicated in specifications
- | Stainless steel Main Block
- | Level and Support Device
- | Jackscrew Breaker Bar with Socket
- | Heavy-duty Storage Box
- | Parts and Operating Manual



WARNING: THE DOUBLE JACKSCREW CHAIN CLAMP SHOULD NEVER BE USED AS THE SOLE SUPPORT FOR THE PIPE OR TO LIFT THE PIPE. DO NOT EXCEED PIPE SIZE RANGE LISTED OR USE ANY TYPE OF CHAIN OTHER THAN SUPPLIED WITHOUT FIRST CONTACTING THE MATHEY DEARMAN SALES DEPARTMENT. USE OF CHAIN NOT SUPPLIED WITH THE CLAMP BY MATHEY DEARMAN WILL VOID THE CLAMP WARRANTY.



DOUBLE JACKSCREW CHAIN CLAMP | SPECIFICATIONS

Model	Number of Jackbars	Nominal Pipe Size Range in (mm)	Reforms Pipe to Schedule*	Aligns Pipe to Schedule	Est. Shipping Weight
D250	3	1-8 (25-203)	40	80	27 lbs / 12 kg
D250SS	3	1-8 (25-203)	40	80	27 lbs / 12 kg
D249	7	4-16 (102-406)	40	80	72 lbs / 33 kg
D249SS	7	4-16 (102-406)	40	80	72 lbs / 33 kg
D235	8	10-36 (254-914)	40	80	144 lbs / 67 kg
D235SS	8	10-36 (254-914)	40	80	144 lbs / 67 kg
D236	13	10-54 (254-1372)	40	80	180 lbs / 72 kg
D236SS	13	10-54 (254-1372)	40	80	180 lbs / 72 kg

* Calculations are based on pipe with a tensile strength of 45,000 lbs per square inch (3,164 kg per square centimeter)
 SS - Indicates clamp Includes stainless steel chain. All clamps are equipped with stainless steel Jackbars, Jackscrews, and Main Blocks.

DEARMAN LIGHT CHAIN CLAMP

Our versatile and easy-to-handle Dearman Light clamps are ideal for lighter-wall pipe alignment and reforming, yet sturdy enough to align up to Schedule 40 pipe. Lighter weight than the original Mathey Dearman Chain Clamps, Dearman Light Chain Clamps are quick and easy to set up while still providing the ability to get excellent fit-ups on pipe from 1" to 36" (25 mm to 914 mm) in diameter. Dearman Light Chain Clamps are available in carbon steel chain or stainless steel chain versions. Although all Mathey Dearman Chain Clamps feature stainless steel Jackscrews, Jackbars and Main Blocks, stainless steel chain should be used on stainless steel or specialty alloy applications to avoid potential contamination. Larger Dearman Light clamp models come standard with our Level and Support Device to hold and accurately position pipe and fittings.

ACCURATE | Aligns within 1/64" (.4 mm)

LIGHTWEIGHT | The 1" to 12" (25 mm to 305 mm) Dearman Light Chain Clamp weighs 50% less than an 8" (203 mm) hand-lever cage clamp

WIDE RANGE | Covers the same pipe range as 11 cage clamps

VERSATILE | Aligns pipe with wall thickness to Schedule 40, reforms pipe to Schedule 20

SAFER | Elbows, tees, flanges and other fittings are well-secured during alignment with the Level and Support Device

Dearman Light Chain Clamp Includes:

- | Nickel plated carbon steel or stainless steel duplex roller chain
- | Stainless steel Single or Double Jackscrew Jackbars - quantity as indicated in specifications
- | Stainless steel Main Block
- | Level and Support Device*
- | Jackscrew Breaker Bar with Socket
- | Heavy-duty Storage Box*
- | Parts and Operating Manual

***NOTE:** D231-LT AND D231-LTSS CLAMPS DO NOT INCLUDE LEVEL AND SUPPORT DEVICE OR HEAVY-DUTY STORAGE BOX

WARNINGS: DEARMAN LIGHT CHAIN CLAMPS SHOULD NEVER BE USED AS THE SOLE SUPPORT FOR THE PIPE OR TO LIFT THE PIPE. DO NOT EXCEED PIPE SIZE RANGE LISTED OR USE ANY TYPE OF CHAIN OTHER THAN SUPPLIED WITHOUT FIRST CONTACTING THE MATHEY DEARMAN SALES DEPARTMENT. USE OF CHAIN NOT SUPPLIED WITH THE CLAMP BY MATHEY DEARMAN WILL VOID THE CLAMP WARRANTY.

Fine Adjustment

Main Block

Duplex roller chain

Single Screw Jackbar

Thumbscrew



Level and Support Device



DEARMAN LIGHT SINGLE JACKSCREW CHAIN CLAMP

Model	Number of Jackbars	Pipe Size Range in (mm)	Reforms Pipe to Schedule*	Aligns Pipe to Schedule	Est. Shipping Weight
D231-LT**	5	1-12 (25-305)	20	40	13 lbs / 6 kg
D231-LTSS**	5	1-12 (25-305)	20	40	13 lbs / 6 kg
D232-LT	7	4-20 (102-508)	20	40	31 lbs / 14 kg
D232LTSS	7	4-20 (102-508)	20	40	31 lbs / 14 kg
D233-LT	10	6-36 (152-914)	20	40	84 lbs / 38 kg
D233LTSS	10	6-36 (152-914)	20	40	84 lbs / 38 kg

* Calculations are based on pipe with a tensile strength of 45,000 lbs per square inch (3,168 kg per square centimeter)

SS - INDICATES CLAMP IS FOR STAINLESS STEEL APPLICATION. ** DOES NOT INCLUDE LEVEL AND SUPPORT DEVICE OR STORAGE BOX.

DEARMAN LIGHT DOUBLE JACKSCREW CHAIN CLAMP

Model	Number of Jackbars	Pipe Size Range in (mm)	Reforms Pipe to Schedule*	Aligns Pipe to Schedule	Est. Shipping Weight
D249-LT	7	4-20 (102-508)	20	40	36 lbs / 17 kg
D249-LTSS	7	4-20 (102-508)	20	40	36 lbs / 17 kg
D235-LT	10	6-36 (152-914)	20	40	90 lbs / 41 kg
D235LTSS	10	6-36 (152-914)	20	40	90 lbs / 41 kg

* Calculations are based on pipe with a tensile strength of 45,000 lbs per square inch (3,168 kg per square centimeter)

** DOES NOT INCLUDE LEVEL AND SUPPORT DEVICE OR STORAGE BOX.

NOTE: COMPLETE WELDING OF THE JOINT CAN BE ACCOMPLISHED WITHOUT REMOVING THE CLAMP. AN ADDITIONAL JACKBAR CAN BE INSTALLED IF PRESSURE NEEDS TO BE APPLIED BETWEEN THE CLAMP JACKBARS. OPTIONAL SPACING SCREWS CAN BE ADDED FOR PRECISE WELD GAP ADJUSTMENT.

ALIGNING & REFORMING CLAMPS

UNIVERSAL CHAIN CLAMP

Universal Chain Clamps reform pipe to Schedule 20 and align pipe to Schedule 40. Available in carbon steel chain and stainless steel chain versions to fit pipe from 1" to 36" (25 mm to 914 mm). The versatile design provides the ability to accurately fit-up, weld and grind joints without removing the clamp. The Level and Support Device of the Universal Chain Clamp allows pipe, elbow, tee, flange and other fittings to be safely secured during the alignment and welding process. Although all Mathey Dearman Chain Clamps feature stainless steel Jackscrews, Jackbars and Main Blocks, stainless steel chain should be used on stainless steel or specialty alloy applications to avoid potential contamination.

VERSATILE | Reforms pipe to Schedule 20 and aligns pipe to Schedule 40

PRECISE | Swivel-foot Jackscrews help ensure precise alignment by securely holding on uneven pipe surfaces

SAFER | Jackbars can be adjusted to relocate the contact point of Jackscrews for extra support of mating pipe or fittings

WIDE RANGE | A single Universal Chain Clamp covers the same range as 8 cage clamps

Universal Chain Clamp Includes:

- | Nickel plated carbon steel or stainless steel duplex roller chain
- | Universal stainless steel Jackbars
- quantity as indicated in specifications
- | Stainless steel Main Block
- | Level and Support Device
- | Jackscrew Breaker Bar with Socket
- | Heavy-duty Storage Box
- | Parts and Operating Manual



Universal Jackbar equipped with 2 Jackscrews

WARNINGS: UNIVERSAL CHAIN CLAMPS SHOULD NEVER BE USED AS THE SOLE SUPPORT FOR THE PIPE OR TO LIFT THE PIPE. DO NOT EXCEED PIPE SIZE RANGE LISTED OR USE ANY TYPE OF CHAIN OTHER THAN SUPPLIED WITHOUT FIRST CONTACTING THE MATHEY DEARMAN SALES DEPARTMENT. USE OF CHAIN NOT SUPPLIED WITH THE CLAMP BY MATHEY DEARMAN WILL VOID THE CLAMP WARRANTY.



Level and Support Device



Universal Jackbar



NOTE: MATHEY DEARMAN CHAIN CLAMPS CAN BE RECONFIGURED FOR STAINLESS STEEL AND OTHER SPECIALTY ALLOY APPLICATIONS. REPLACE THE CARBON STEEL ROLLER CHAIN WITH STAINLESS STEEL CHAIN. (ALL OTHER COMPONENTS OF CHAIN CLAMPS ARE MADE OF STAINLESS STEEL)

UNIVERSAL CHAIN CLAMP | SPECIFICATIONS

Model	Number of Jackbars	Pipe Size Range in (mm)	Reforms Pipe to Schedule*	Aligns Pipe to Schedule	Est. Shipping Weight
D2250	3	1-8 (25-203)	20	40	25 lbs / 11 kg
D2250SS	3	1-8 (25-203)	20	40	25 lbs / 11 kg
D2249	7	4-16 (102-406)	20	40	70 lbs / 32 kg
D2249SS	7	4-16 (102-406)	20	40	70 lbs / 32 kg
D2235	8	10-36 (254-914)	20	40	145 lbs / 65 kg
D2235SS	8	10-36 (254-914)	20	40	145 lbs / 65 kg

* Calculations are based on pipe with a tensile strength of 45,000 lbs per square inch (3,164 kg per square centimeter).

SS - Indicates clamp is for stainless steel application

COMPLETE WELDING OF THE JOINT CAN BE ACCOMPLISHED WITH REMOVING THE CLAMP. ADD-ON JACKBAR CAN BE ADDED IF PRESSURE NEEDS TO BE APPLIED BETWEEN THE CLAMP JACKBARS. JACKSCREW PADS PIVOT INDEPENDENTLY TO HANDLE UNEVEN SURFACES. OPTIONAL SPACING SCREWS CAN BE ADDED FOR PRECISE WELD GAP ADJUSTMENT.

ALIGNING & REFORMING CLAMPS

THE **NEW** DEARMAN SLEEVE CLAMP

In THE DEARMAN SYSTEM tradition, we're excited to introduce a faster and safer way to install sleeves and fittings - Dearman Sleeve Clamps. Leveraging our industry-leading clamping technology, we've built these extreme-duty clamps to handle welded sleeves up to $\frac{3}{4}$ " thick and up to 70,000 PSI tensile strength. Unlike the common and unsafe application of a bottle jack and chain, our purpose-built clamps provide virtually 360 degrees of clamping force for perfect fit-ups. Our easy to operate hydraulic closure system makes set up and removal easy and quick.

Why risk the chance for flying jacks and falling sleeves when finally, there's a better solution?

All models feature 2-speed hydraulic hand pumps for quicker installation time and high-strength modular design for safer handling. Choose from 4 models of clamps for your specific need and application - 5,000 PSI or 10,000 PSI of clamping pressure and 6" to 24" or 6" to 48" range for sleeves up to $\frac{3}{4}$ " (19mm) thick. All clamps include a rugged steel transportation and storage box.

NEW

UNSAFE



SAFE



- SAFE** | No unstable bottle jacks to suddenly slip and disengage
- PRECISE** | Equal clamping force provides better fit-up
- EASY TO HANDLE** | Engineered to be installed by one person
- ADAPTABLE** | Fits a wide range of pipe sizes and sleeve thicknesses
- DURABLE** | Rugged corrosion-resistant construction for years of use

Dearman Sleeve Clamps Include:

- | Nickel plated carbon steel duplex roller chain (DB models) or Nickel plated carbon steel leaf chain (DC models) for pipe size range
- | High strength stainless steel Main Block with hydraulic cylinder
- | 2-Speed hand operated hydraulic pump
- | Heavy duty transportation and storage box
- | Parts and Operating Manual



DEARMAN SLEEVE CLAMP

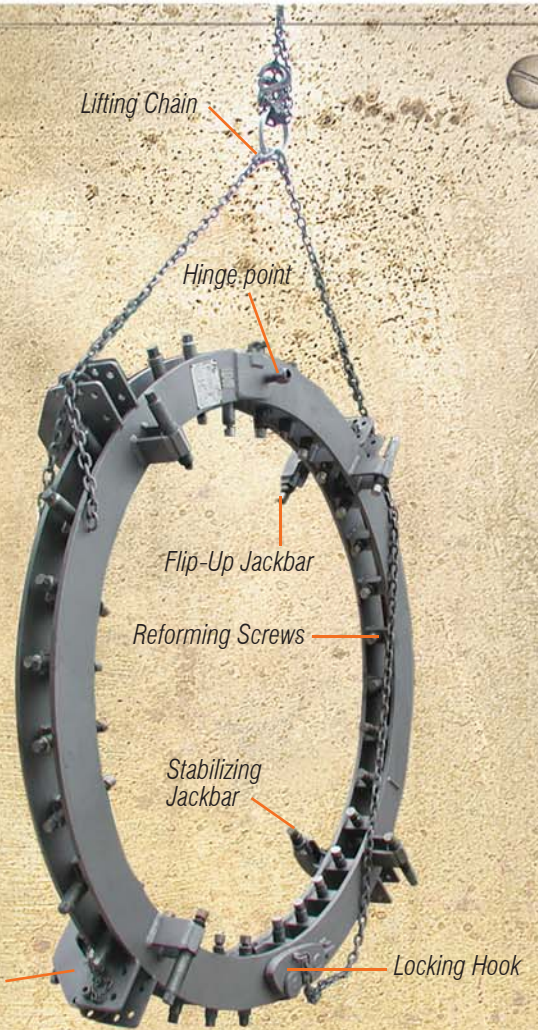
DEARMAN SLEEVE CLAMP

Model	Pipe Size Range in (mm)	Clamping Pressure	Chain	Weight – Sleeve Clamp Only	Shipping Weight
DB-724	6 - 24 (152 – 610)	5,000 PSI	DB-300	31 lbs / 14 kg	76 lbs / 34 kg
DB-748	6 – 48 (152 – 1219)	5,000 PSI	DB-300	48 lbs / 22 kg	93 lbs / 42 kg
DC-724	6 -24 (152 – 610)	10,000 PSI	DC-300	50 lbs / 23 kg	94 lbs/ 43 kg
DC-748	6 – 48 (152 – 1219)	10,000 PSI	DC-300	81 lbs / 37 kg	125 lbs/ 57 kg

DEARMAN SLEEVE CLAMP RECOMMENDED APPLICATION

Sleeve Tensile Strength	Sleeve Wall Thickness	Pipe Diameter & Material			
		6-12" (152 - 305 mm)	12-18" (305 - 457 mm)	18-24" (457 - 610 mm)	24-48" (610 - 1219 mm)
		CS	CS	CS	CS
36,000 PSI	3/16"	DB-724	DB-724	DB-724	DB-748
	1/4"	DB-724	DB-724	DB-724	DB-748
	5/16"	DB-724	DB-724	DB-724	DB-748
	3/8"	DB-724	DB-724	DB-724	DB-748
	1/2"	DB-724	DB-724	DC-724	DC-748
	5/8"	DC-724	DC-724	DC-724	DC-748
	3/4"	DC-724	DC-724	DC-724	DC-748
50,000 PSI	3/16"	DB-724	DB-724	DB-724	DB-748
	1/4"	DB-724	DB-724	DB-724	DB-748
	5/16"	DC-724	DC-724	DC-724	DC-748
	3/8"	DC-724	DC-724	DC-724	DC-748
	1/2"	DC-724	DC-724	DC-724	DC-748
	5/8"	DC-724	DC-724	DC-724	DC-748
	3/4"	DC-724	DC-724	DC-724	DC-748
70,000 PSI	3/16"	DC-724	DC-724	DC-724	DC-748
	1/4"	DC-724	DC-724	DC-724	DC-748
	5/16"	DC-724	DC-724	DC-748	DC-748
	3/8"	DC-724	DC-724	DC-748	DC-748
	1/2"	DC-724	DC-724	DC-748	DC-748
	5/8"	DC-724	DC-724	DC-748	DC-748
	3/4"	DC-724	DC-724	DC-748	DC-748

ALIGNING AND REFORMING CLAMPS



RIM CLAMPS

Mathey Dearman Rim Clamps are built for tough reforming jobs and are ideal for applications requiring 100% weld and grind without releasing clamping pressure. Symmetrically placed Jackscrews apply pressure on high points to precisely reform and align pipe or shells. All surfaces of the Rim Clamp in contact with the pipe are made of stainless steel enabling the Clamp to be used on a variety of materials.

Mathey Dearman Rim Clamps will reform 45,000 PSI tensile strength pipe up to Schedule 80, with out-of-round conditions up to 2" (51 mm), depending on wall thickness.



ACCURATE | Apply reforming pressure exactly where required

STRONG | Corrects out-of-round conditions up to 2" (51 mm)

EASY | Self-latching design, 14" (356 mm) and larger, makes installation simple and safe

VERSATILE | Handles a range of pipe sizes and materials

The 14" to 16" (356 mm to 406 mm) and larger Rim Clamp closes over the pipe automatically, for quick and simple operation.

REFORMING CAPABILITY - Maximum Wall Thickness for Specified Material Tensile Strength

Clamp Type	Pipe Tensile Strength		Pipe Diameter in (mm)					
	PSI	MPA	4" - 12" (102 - 305)	14" - 24" (356 - 610)	26" - 30" (660 - 762)	32" - 48" (813 - 1219)	50" - 60" (1270 - 1524)	62" - 72" (1575 - 1829)
			Pipe Wall Thickness in. (mm) *					
RIM	45,000	310	1/2 (13)	3/4 (19)	7/8 (22)	1 (25)	1 1/8 (29)	1 1/4 (32)
			1/2 (11)	3/4 (19)	1 (25)	1 1/8 (29)	1 1/4 (32)	1 3/8 (35)
MEGA RIM	65,000	448	7/16 (11)	5/8 (16)	3/4 (19)	1 (25)	1 1/8 (29)	1 3/8 (35)
	70,000	483	3/8 (10)	1/2 (13)	3/4 (19)	7/8 (22)	1 (25)	1 1/4 (32)
	80,000	552	3/8 (10)	1/2 (13)	5/8 (16)	3/4 (19)	1 (25)	1 1/8 (29)

* Calculations based on material temperature of 72° F (22° C)

RIM CLAMP

Rim Clamp Item No.	Pipe Size Range in. (mm)	Estimated Shipping Weight
D711-0406	4 - 6 (102 - 152)	40 lbs / 18 kg
D711-0608	6 - 8 (152 - 203)	30 lbs / 22.5 kg
D711-0810	8 - 10 (203 - 254)	70 lbs / 31.5 kg
D711-1012	10 - 12 (254 - 305)	90 lbs / 40.5 kg
D711-1214	12 - 14 (305 - 356)	120 lbs / 54 kg
D711-1416	14 - 16 (356 - 406)	190 lbs / 85.5 kg
D711-1618	16 - 18 (406 - 457)	240 lbs / 108 kg
D711-1420	14 - 20 (356 - 508)	280 lbs / 126 kg
D711-1824	18 - 24 (457 - 610)	350 lbs / 157.5 kg
D711-2026	20 - 26 (508 - 660)	360 lbs / 162 kg
D711-2228	22 - 28 (559 - 711)	380 lbs / 171 kg
D711-2632	26 - 32 (660 - 813)	400 lbs / 180 kg
D711-3036	30 - 36 (762 - 914)	420 lbs / 189 kg
D711-3440	34 - 40 (864 - 1016)	450 lbs / 202.5 kg
D711-3844	38 - 44 (965 - 1118)	490 lbs / 220.5 kg
D711-4248	42 - 48 (1067 - 1219)	510 lbs / 229.5 kg
D711-4450	44 - 50 (1118 - 1270)	575 lbs / 258.75 kg
D711-4652	46 - 52 (1168 - 1321)	610 lbs / 274.5 kg
D711-5056	50 - 56 (1270 - 1422)	680 lbs / 308 kg
D711-5460	54 - 60 (1372 - 1524)	750 lbs / 337.5 kg
D711-5864	58 - 64 (1473 - 1626)	820 lbs / 369 kg
D711-6268	62 - 68 (1575 - 1727)	880 lbs / 396 kg
D711-6672	66 - 72 (1676 - 1829)	950 lbs / 427.5 kg

CAGE CLAMPS



Mathey Dearman Cage Clamps are available in Hand-lever, Ratchet, and Hydraulic models in either tack or no-tack versions, ranging in sizes for pipes 2" to 60" (51 mm to 1524 mm). Our Cage Clamps will align pipe through Schedule 80. Cage Clamps are intended for alignment use only and are not designed to reform pipe. Each size Clamp fits one specific pipe diameter. If the O.D. of the pipe varies more than +/- 3/16" (5 mm) from the indicated Clamp diameter, pipes may not align accurately.



QUICK | Aligns pipes easily and fast

EFFICIENT | Good choice when aligning pipes with no reforming required



CAGE CLAMP CROSS BAR DESIGNS



Tack-type straight cross bars have flared ends so pipes can be moved easily into position and clamped. After the pipe is tack welded, the clamp is removed from the pipe and the weld is completed.



Tack and no-tack cross bars are available in stainless steel for stainless and other specialty alloy applications.



No-tack cross bars are arched to permit a full-circle weld without removing the Clamp. The no-tack Clamp can help increase welding quality and efficiency.

HAND LEVER CAGE CLAMP

Hand-lever Tack Model	Hand-lever No-tack Model	Pipe Size in (mm)
01.0505.001	-----	2 (51)
01.0505.002	-----	3 (76)
01.0505.003	01.0505.N03	3.5 (89)
01.0505.004	01.0505.N04	4 (102)
01.0505.005	01.0505.N05	5 (127)
01.0505.006	01.0505.N06	6 (152)
01.0505.008	01.0505.N08	8 (203)
01.0505.010	01.0505.N10	10 (254)
01.0505.012	01.0505.N12	12 (305)
01.0505.014	01.0505.N14	14 (356)
01.0505.016	01.0505.N16	16 (406)
01.0505.018	01.0505.N18	18 (457)
01.0505.020	01.0505.N20	20 (508)
01.0505.022	01.0505.N22	22 (559)
01.0505.024	01.0505.N24	24 (610)
01.0505.026	01.0505.N26	26 (660)
01.0505.028	01.0505.N28	28 (711)
01.0505.030	01.0505.N30	30 (762)
01.0505.032	01.0505.N32	32 (813)
01.0505.034	01.0505.N34	34 (864)
01.0505.036	01.0505.N36	36 (914)
01.0505.038	01.0505.N38	38 (965)
01.0505.040	01.0505.N40	40 (1016)
01.0505.042	01.0505.N42	42 (1067)
01.0505.048	01.0505.N48	48 (1219)
01.0505.054	01.0505.N54	54 (1372)
01.0505.060	01.0505.N60	60 (1524)



In the field, rapid alignment can be achieved using the Hand-lever Cage Clamp.

Clamps with stainless steel contact points or for odd-size pipe available on request. Add SS at end of part number for stainless steel.

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)



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

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

HYDRAULIC CAGE CLAMP

Mathey Dearman's Hydraulic Cage Clamp utilizes a rugged hydraulic closure mechanism to create the extra force necessary to align large pipe diameters while also permitting the rapid release of the clamp from the pipe. The Hydraulic Cage Clamp is available for 16" to 60" (406 mm to 1524 mm) pipe.



Hydraulic Cage Clamps permit faster pipe alignment and quick release of the clamp from the pipe after welding.

Hydraulic Tack Model	Hydraulic No-tack Model	Pipe Size In (mm)
01.0505.H16	01.0505.HN16	16 (406)
01.0505.H18	01.0505.HN18	18 (457)
01.0505.H20	01.0505.HN20	20 (508)
01.0505.H22	01.0505.HN22	22 (559)
01.0505.H24	01.0505.HN24	24 (610)
01.0505.H26	01.0505.HN26	26 (660)
01.0505.H28	01.0505.HN28	28 (711)
01.0505.H30	01.0505.HN30	30 (762)
01.0505.H32	01.0505.HN32	32 (812)
01.0505.H34	01.0505.HN34	34 (864)
01.0505.H36	01.0505.HN36	36 (914)
01.0505.H38	01.0505.HN38	38 (965)
01.0505.H40	01.0505.HN40	40 (1016)
01.0505.H42	01.0505.HN42	42 (1067)
01.0505.H48	01.0505.HN48	48 (1219)
01.0505.H54	01.0505.HN54	54 (1372)
01.0505.H60	01.0505.HN60	60 (1524)
01.0505.H00	01.0505.HN00	Hydraulic Jack

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

QUIK-FIT CLAMPS

The Mathey Dearman Quik-Fit Clamp offers the simplest method of achieving quick, easy and precise fit ups. The Quik-Fit is a compact tack-type clamp that is easy to use in close quarters. Quik-Fit is available in 3 sizes to cover a range of 1"-12" (25-305mm) pipe, and can be used on either carbon or stainless steel without adding special shoes or screws. The Clamp aligns pipe to pipe reforming is not needed.

simplest method of achieving quick, easy and precise fit ups. to use in close quarters. Quik-Fit is available in 3 sizes to cover used on either carbon or stainless steel without adding special or pipe to fitting, and is ideal for alignment applications where



RUGGED | Built for years of reliable service

LIGHTWEIGHT | Easy to use in overhead work

VERSATILE | 3 Clamps cover 1"-12" (25-305mm) pipe

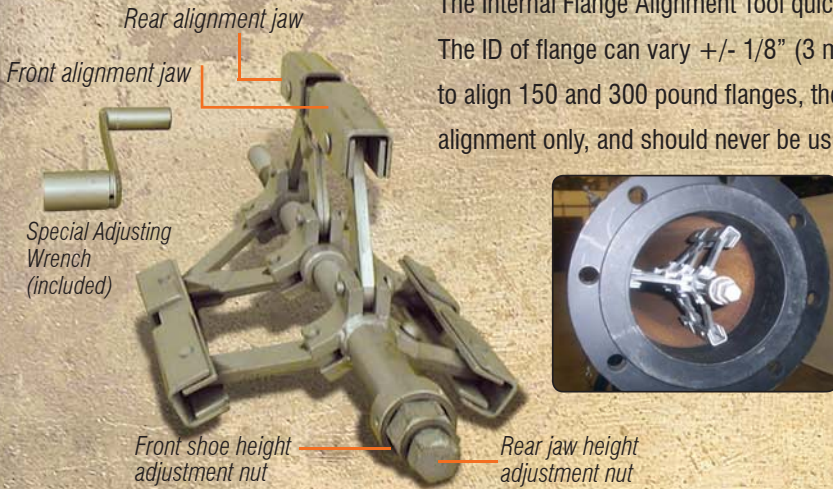
FAST | Smooth, quick action for rapid fit-ups

QUIK-FIT CLAMP | SPECIFICATIONS

Item Number	Pipe Size Range in (mm)
QFC-12	1-2 (25-51)
QFC-26	2-6 (51-152)
QFC-512	5-12 (127-305)



INTERNAL FLANGE ALIGNMENT TOOL



The Internal Flange Alignment Tool 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)

- 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

NEW! PUSH-BUTTON CARBON STEEL FLANGE LINE UP PINS

Introducing the latest addition to the Mathey Dearman Flange Line Up Pins (FLUP) range, our new push-button-carbon steel model. The new Flange Line Up Pin installs and removes quickly thanks to its convenient push-button operation. Rugged ACME thread and rust-resistant black oxide coated carbon steel means you can expect years of reliable use. Our most affordable FLUP still provides the accuracy and ease of use that you've come to expect from quality Mathey Dearman pipefitting tools.



Item Number	Model / Assembly Description	Flange Hole Diameter Range in (mm)
05.0100.020	Push-button Carbon Steel FLUP	5/8" - 1 7/8" (16 - 47)

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.



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

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)

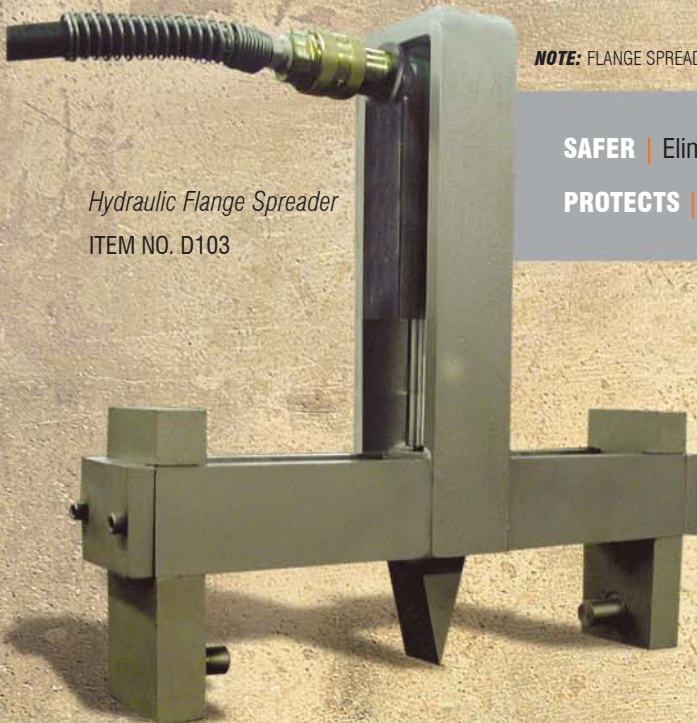
FLANGE SPREADER

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

Hydraulic Flange Spreader
ITEM NO. D103



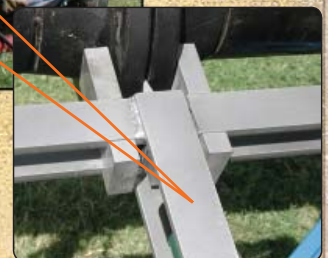
Mechanical Flange Spreader
ITEM NO. D100

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

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



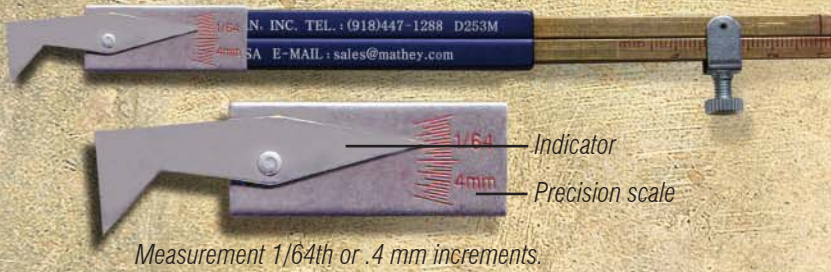
The Q.C. Welder's Gauge from Mathey Dearman rapidly and accurately measures inside "High-Low" and plate mismatch before and after welding, minimizing weld rejections. The gauge is available in English and Metric models.

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.

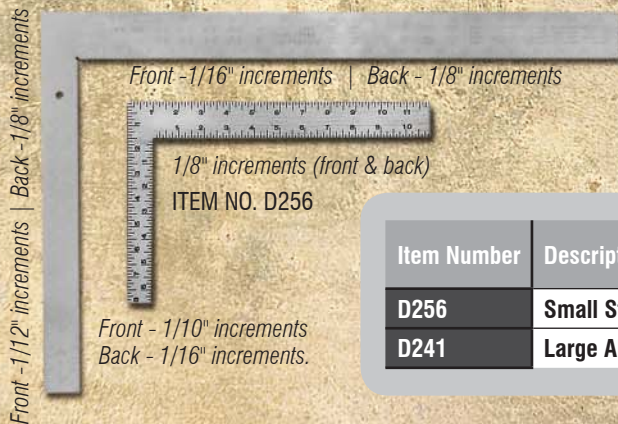


The Pit Depth Gauge can be used to check weld undercut and misalignment of plate to plate or pipe to pipe.

FRAMING SQUARE

ITEM NO. D241

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

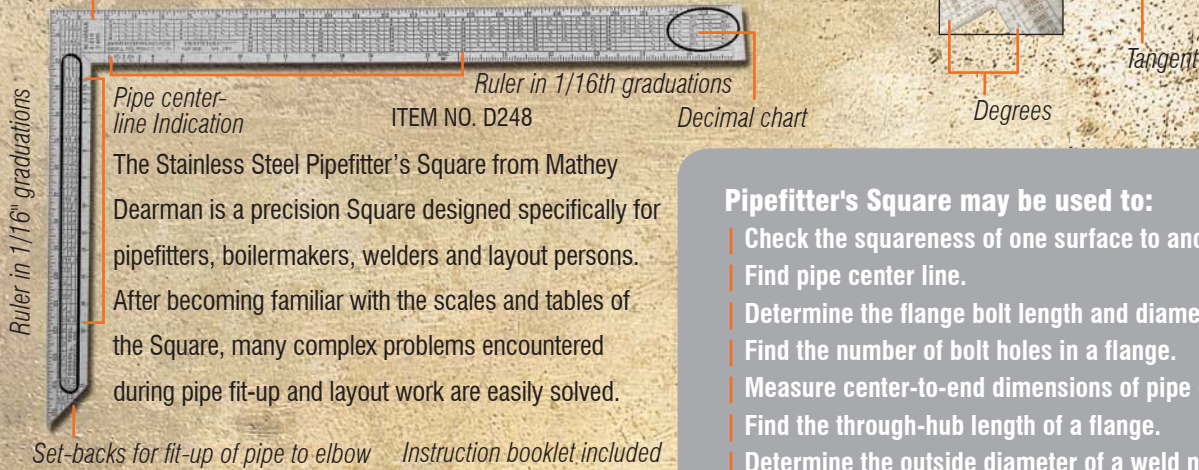


The Small Stainless Steel and Large Aluminum Framing Squares from Mathey Dearman measure angles, squareness, and find pipe centerline. When used with a level, the Squares measure drops in inches per foot to determine slope. The Small Framing Square is marked in 1/8" increments and the Large Framing Square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



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.

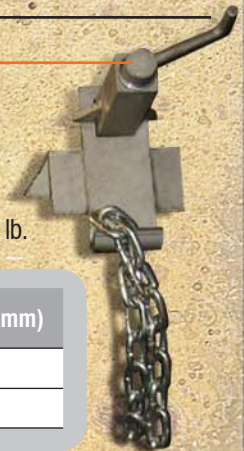
Pipefitter's Square may be used to:

- 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



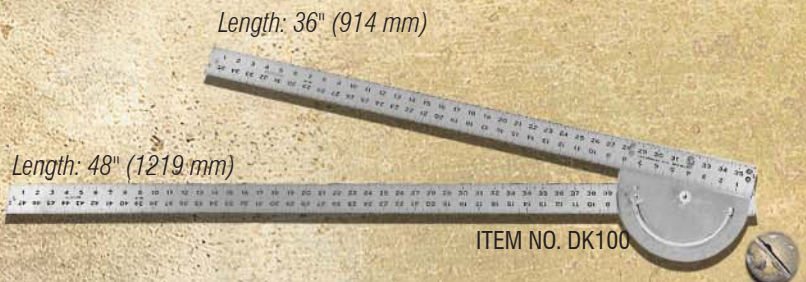
Item Number	Pipe Diameter in (mm)
D244	2-16 (51-406)
D245	10-48 (254-1219)

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°.

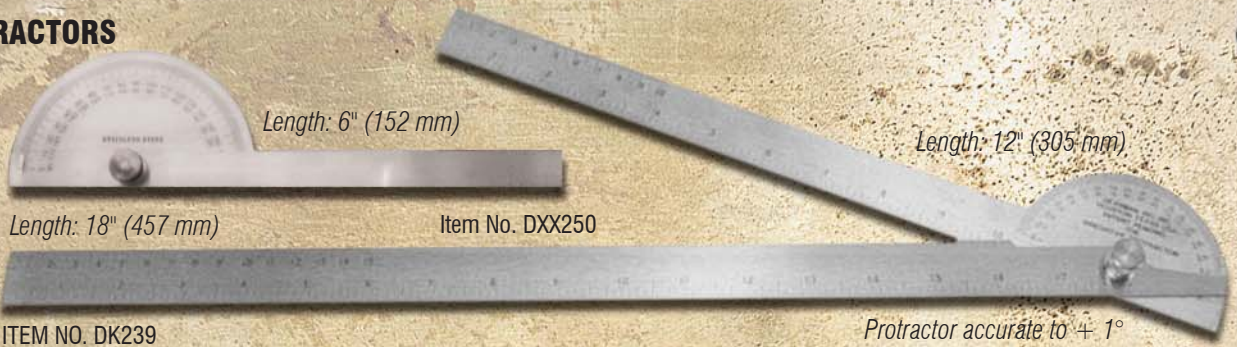


Length: 36" (914 mm)

Length: 48" (1219 mm)

ITEM NO. DK100

PROTRACTORS



Length: 6" (152 mm)

Length: 12" (305 mm)

Length: 18" (457 mm)

Item No. DXX250

ITEM NO. DK239

Protractor accurate to $\pm 1^\circ$



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 180°.



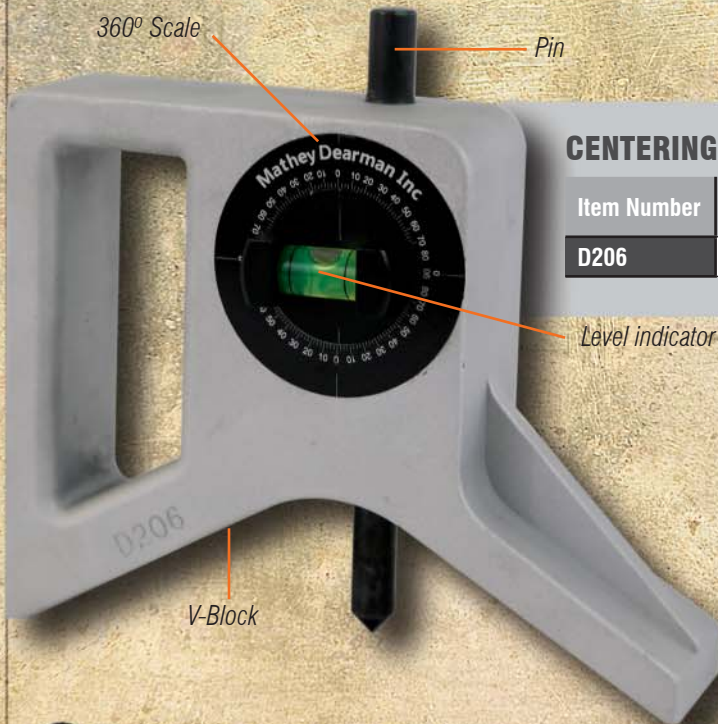
The Mini Protractor can be used for a variety of applications including measuring bevel angle.

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

CENTERING HEAD

Mathey Dearman's Centering Head provides a quick and accurate method for establishing pipe centerline, locating points on tanks or pipes, measuring slope, establishing angles and laying keyways. The Centering Head dial face is marked in 2 1/2 degree increments, and can also be used to measure and mark points around the pipe flange or fitting.

- TRUE** | Precisely locates top dead center
- EASY** | Simple and quick to use
- VERSATILE** | Use to find points on shafts, tanks, or pipe



CENTERING HEAD

Item Number	Description
D206	Centering Head, pipe 1/2" (13 mm) and larger

ITEM NO. D206



360° Scale

Pin

Level indicator

V-Block

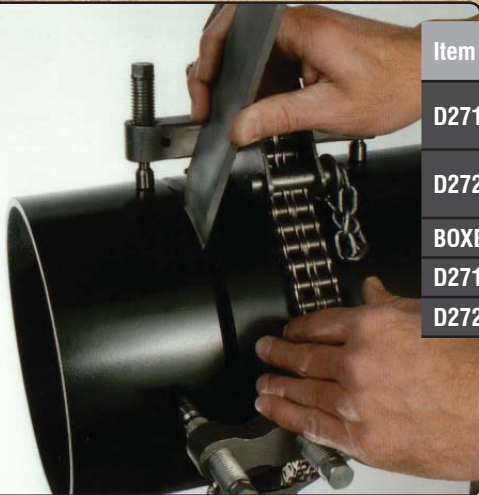
D206

MATHEY DEARMAN

SLOPE PER FOOT	HEIGHT OF LEVEL
1"	4-1/2"
2"	9-1/2"
3"	14"
4"	18-1/2"
5"	23-1/2"
6"	28"
7"	32-1/2"
8"	37"
9"	41-1/2"
10"	46"
11"	50-1/2"
12"	55"

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.



Clip to belt or
hang in tool box.



Weld gap can be quickly set using our Spacing Wedges.

PIPE WRAP

Mathey Dearman Pipe Wrap has double-ruled edges 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

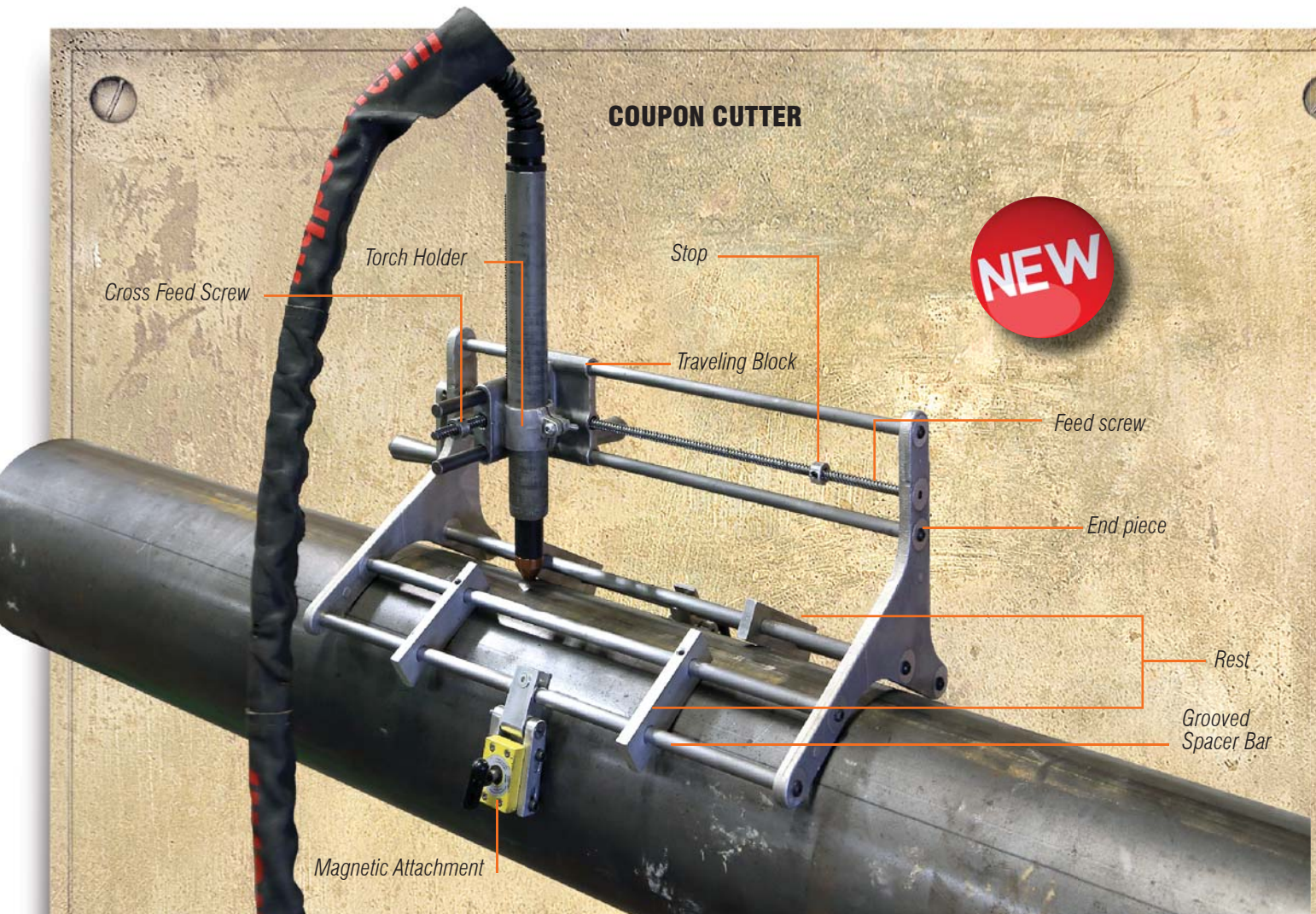
Pipe Size in (mm)	Size	Item Number	Description
3-15 (76-381)	Medium	D160	Wrap, 4" x 4' / 102 mm x 1219 mm
3-22 (76-559)	Large	D170	Wrap, 4" x 6' / 102 mm x 1829 mm
3-26 (76-660)	Extra Large	D177	Wrap, 4" x 7' / 102 mm x 2134 mm
Pipe size to be specified		D184	4" / 102 mm Width x Length Desired Sold in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

*Pipe Wrap sold per foot does not have any markings or instructions.

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
- VERSATILITY** | Use gas or plasma torches

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 magnetic attachment is used to rapidly fasten the machine to the pipe. The Coupon Cutter now includes a torque spline 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
03.0300.000	Coupon Cutter	2" x 12" (51 mm x 305 mm)

STURDI-JACK

STURDI-JACK II™

Folding Pipe Stand
Part # D675
2" - 16" Capacity - 2,500 lbs.

Mathey Dearman's Sturdi-Jack™ II Folding Pipe Stand features a heavy-duty frame with a convenient handle for easier transportation between jobsites. Its smooth folding action means quick setup and teardown and easier storage when not in use. Three different head options allow the Sturdi-Jack™ II to perform well in a wide range of applications for pipe 2" - 16" OD.

Part Number	Description Range (in.)	Shipping Weight	
		lbs.	kg
D675	Sturdi-Jack™ with V Head 2"-16" OD capacity/2,500 lb. limit Min. Height 29" (74 cm) - Max. 48" (122 cm)	25	11.3
Parts/Accessories			
D886-001*	Slip-on CS Roller Head (ea.) 1,000 lb. load limit	5	2.3
D886-003*	Slip-on SS Ball Transfer (ea.) 1,000 lb. load limit	5	2.3
D886-010	Standard V Head (head only)	6	2.7
D886-015	Large V Head (head only)	15	6.8

* Must be used with the D886-015 Large V Head for Pipe OD 12" or greater



High Visibility Neon Green for Safety

STURDI-JACK XL™

Heavy-Duty Rolling Pipe Stand Part # D676
2" - 36" Capacity - 3,500 lbs.

The Sturdi-Jack XL™ rolling Pipe Stand has a heavy-duty frame with an industry leading weight capacity of 3,500 lbs. Five heavy duty locking casters, standard on the Sturdi-Jack™ XL, allow for easier, faster setup. Three different head options allow the Sturdi-Jack™ XL to perform well in a wide range of applications for pipe 2"-36" OD.

Part Number	Description Range (in.)	Shipping Weight	
		lbs.	kg
D676	Sturdi-Jack™ with Large V Head and CS Rollers 2"-36" OD capacity/3,500 lb. limit Min. Height 32" (81cm) - Max. 42" (107 cm)	150	67.5
Parts/Accessories			
D886-011	Large V Head (head only)	30	13.5
D886-012	Roller Head (frame only)	26	11.7
D886-013	CS Roller with Fasteners (ea.)	2	0.9
D886-014	Slip-on SS Ball Transfer	2	0.9

