

FIT-UP PRO

By Mathey Dearman

FIT-UP AND ALIGNMENT TOOLS





**NEW
IMPROVED
DESIGN**



This classic design high-low alignment clamp has been in used worldwide for years.

With a durable, yet cost effective fabricated design, the PDQ pipe clamps fit up to 14" pipe and are available in three sizes.

Working on stainless steel?

The new Quick-Fit PDQ pipe clamps can be used on stainless steel without any additional accessories due to the stainless steel feet and balls in the wing-nuts, preventing contamination of the pipe.

Specifications

- Available in three sizes for 1" - 14" pipe fit-up.
- Durable ACME-thread design used for years in the field.
- Lightweight design is great for overhead work.
- With stainless steel contact points standard, the PDQ clamp is ready for exotic pipe fabrication out of the box.
- Great for most types of fit-ups. Pipe to pipe, pipe to elbow and pipe to flange amongst others.
- The most cost effective yet durable high-low fit-up clamp on the market.

Technical specification

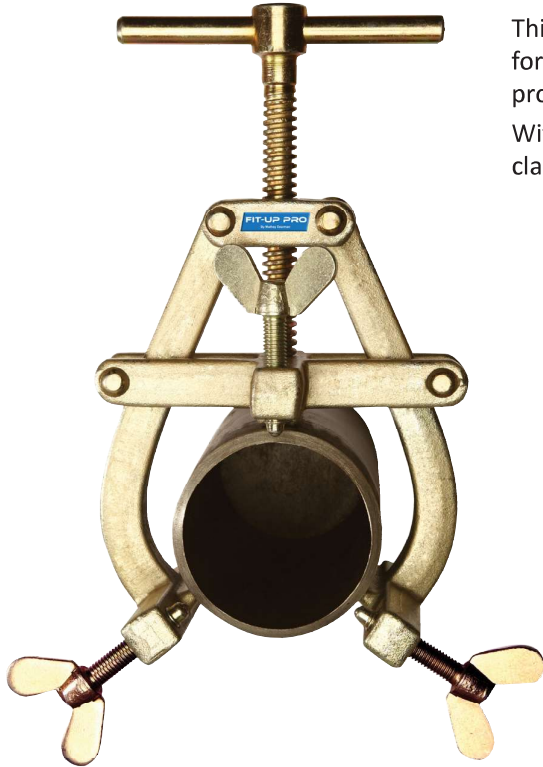
OLD PART NO	NEW PART NO	DESCRIPTION	RANGE		WEIGHT	
* EZR2	* 1220	Quick-Fit PDQ Pipe Clamp 1" - 3"	1" - 3"	25 - 90 mm	4 lbs.	1.80 kg
* EZR6	* 1221	Quick-Fit PDQ Pipe Clamp 2" - 6"	2" - 6"	50 - 170 mm	11 lbs.	5.00 kg
* EZR12	* 1222	Quick-Fit PDQ Pipe Clamp 6" - 14"	6" - 14"	165 - 370 mm	18 lbs.	8.20 kg

** Suitable for stainless steel*

Quick Fit PDQ Typical Applications



WARNING: These PDQ clamps must not be used as a lifting device, as this may result in damage or injury



This classic design high-low alignment clamp has been in used worldwide for years. The heavy-duty design utilises forged steel, galvanised to offer protection to ensure a robust product.

With a durable, yet cost effective fabricated design, the E-Z Fit Gold pipe clamps fit up to 14" pipe and are available in five overlapping sizes.

Specifications

- Available in five sizes for 1" - 14" pipe fit-up.
- Heavy-duty design: forged steel, galvanised.
- Great for most types of fit-ups. Pipe to pipe, pipe to elbow and pipe to flange amongst others.
- The most heavy-duty high-low fit-up clamp on the market.

Optional extras

Stainless steel covers can be fitted quickly to the clamping feet.

This makes all contact points of the clamp stainless, thus eliminating contamination of the pipe.



Sizes available

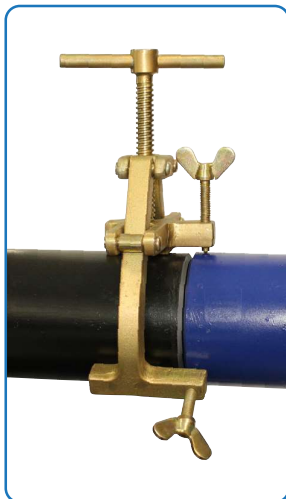
PART NO.	DESCRIPTION	RANGE		WEIGHT	
EZG3	E-Z Fit Gold Pipe Clamp 1" - 3"	1" - 3"	20 - 90 mm	3 lbs.	1.40 kg
EZG5	E-Z Fit Gold Pipe Clamp 2" - 5"	2" - 5"	50 - 150 mm	7 lbs.	3.00 kg
EZG7	E-Z Fit Gold Pipe Clamp 3" - 7"	3" - 7"	90 - 195 mm	7.5 lbs.	3.30 kg
EZG9	E-Z Fit Gold Pipe Clamp 5" - 9"	5" - 9"	125 - 245 mm	15.5 lbs.	7.00 kg
EZG14	E-Z Fit Gold Pipe Clamp 9" - 14"	9" - 14"	225 - 370 mm	20 lbs.	9.00 kg

Stainless steel covers and screws only

PART NO.	PIPE CLAMP SIZE (INCH)
* EZG3SS	1 - 3"
* EZG5SS	2 - 5"
* EZG7SS	3 - 7"
* EZG9SS	5 - 9"
* EZG14SS	9 - 14"

** Suitable for stainless steel*

E-Z Fit Gold Typical Applications

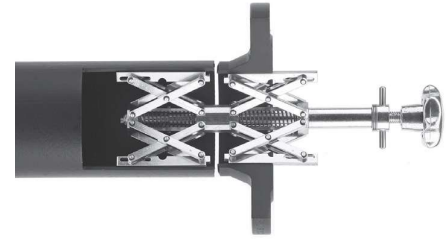


WARNING: These E-Z Gold pipe clamps must not be used as a lifting device, as this may result in damage or injury



SPIDER CLAMP - SERIES 400

This model has two independent expanding clamps, allowing independent alignment of two hollow cylindrical components of different diameters. The bottom expanding clamp is inserted and clamped in the pipe by means of the knob. Then the other part (e.g. a flange) is placed over the top expanding clamp and clamped by means of the hand-bar. This model is specially suited for heavy parts. All locating rails are in stainless steel.



PART NO	CLAMPING RANGE		WEIGHT	
* 400-1 SS	2" - 6"	54 - 140 mm	3.31 lbs.	1.50 kg
* 400-2 SS	4" - 8"	85 - 220 mm	9.15 lbs.	4.15 kg
* 400-3 SS	6" - 14"	120 - 350 mm	26.01 lbs.	11.80 kg
* 400-4 SS	8" - 20"	180 - 520 mm	65 lbs.	30.00 kg
* 400-5 SS	16" - 36"	400 - 940 mm	145 lbs.	65.00 kg

** Suitable for stainless steel*

ELBOW SPIDER CLAMP - SERIES 500

This model with two independent clamps is used for clamping flanges of all kinds and similar parts to elbows and pipe-bends of various diameters. The lower expanding clamp has strong gripping feet which insert into the bend and are tightened by means of the knob. The top expanding clamp is tightened by means of the handbar in the flange.



PART NO	CLAMPING RANGE		WEIGHT	
* 500-1 SS	2" - 4"	54 - 115 mm	2.53 lbs.	1.15 kg
* 500-2 SS	4" - 7"	85 - 195 mm	7.05 lbs.	3.20 kg
* 500-3 SS	6" - 12"	120 - 315 mm	21.16 lbs.	9.60 kg
* 500-4 SS	7" - 20"	180 - 520 mm	55 lbs.	25.00 kg

** Suitable for stainless steel*

SCISSOR CLAMP - SERIES 100

For quick and accurate alignment of pipes of equal or differing diameters on a common centre line. Automatic diameter compensation. There's no need to make additional adjustments. All parts stay easily accessible for welding.



PART NO	CLAMPING RANGE		WEIGHT	
* 100-1 SS	¼" - 3"	10 - 70 mm	4.85 lbs.	2.20 kg
* 100-2 SS	1.5" - 5"	40 - 140 mm	11.90 lbs.	5.40 kg
* 100-3 SS	2.5" - 12"	75 - 330 mm	55 lbs.	25.00 kg

** Suitable for stainless steel*



When using Mathey Dearman clamps, spacing wedges enable better fit-up of pipe ends. Wedges are used to create precise weld gaps. 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.



Purchase individually, or in boxes of 10 each.

Clip to belt or hang in tool box.



Weld gap can be quickly set using our spacing wedges.

PART NO	DESCRIPTION	DIMENSIONS	
D274	D274 spacing wedge	4" x 3/4" x 1/4"	102 mm x 19 mm x 6.4 mm
D272	D272 spacing wedge	3 1/2" x 1 1/2" x 1/4"	89 mm x 38 mm x 6.4 mm
D271	D271 spacing wedge	8" x 1 1/2" x 1/4"	203 mm x 38 mm x 6.4 mm
BOXES OF 10			
D274-BOX	D274 spacing wedge - box of 10		
D272-BOX	D272 spacing wedge - box of 10		
D271-BOX	D271 spacing wedge - box of 10		



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 1/4" (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 - 914 mm) flanges and use a hydraulic pump kit (sold separately) to easily separate flanges.



PART NO. D100



PART NO. D103



PART NO. D104-KIT



APPLICATION PHOTO

PART NO	DESCRIPTION	FLANGE SIZE		FLANGE RATING
D100	Mechanical flange spreader 2" - 12"	2" - 12"	51 - 305 mm	up to 300 psi
D103	Hydraulic flange spreader 2" - 12"	2" - 12"	51 - 305 mm	up to 300 psi
D101	Hydraulic flange spreader 12" - 24"	12" - 24"	305 - 610 mm	150 - 600 psi
D102	Hydraulic flange spreader 26" - 36"	26" - 36"	660 - 914 mm	150 - 600 psi
D104-KIT	Hydraulic pump kit includes pump with reservoir, hoses and quick disconnects.			

FLANGE ALIGNMENT BOLTS (FAB BOLTS)

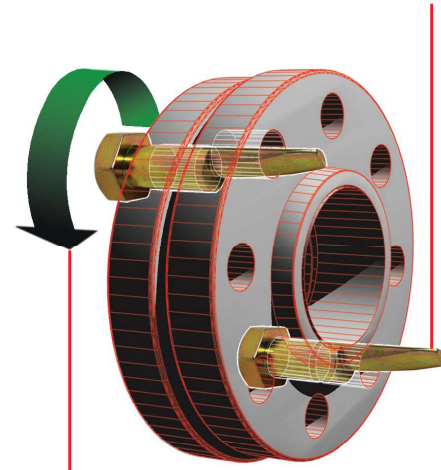


Safe, fast, and effective solution for even the toughest flange alignment jobs. The tool's tapered shaft eliminates hammering and prying when lining up flange bolt holes.

Safer: Eliminates the need for wedges or hammers.

Protects: Greatly reduces risk of damage to the flange.

Step 1: Place first bolt into pair of aligned holes



Step 2: Place second bolt into mis-aligned holes and turn bolt to align both flange faces

PART NO	DESCRIPTION
FAB.138	1½" Flange Alignment Bolts (FAB) (pair)
FAB.114	1¼" Flange Alignment Bolts (FAB) (pair)
FAB.118	1⅜" Flange Alignment Bolts (FAB) (pair)
FAB.100	1" Flange Alignment Bolts (FAB) (pair)
FAB.078	¾" Flange Alignment Bolts (FAB) (pair)
FAB.034	¾" Flange Alignment Bolts (FAB) (pair)
FAB.BOX	Tool box only
FAB.KIT	FAB kit containing 1 set of: ¾", ⅞", 1", 1⅜", 1¼" and 1⅝"

PUSH-BUTTON CARBON STEEL FLANGE LINE UP PINS



Introducing the latest addition to our 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.



Push-button FLUP

OLD PART NUMBER	NEW PART NUMBER	DESCRIPTION	FLANGE HOLE DIAMETER RANGE
05.0100.020	2121	Push-button carbon steel FLUP (pair)	⅝" - 1⅞" 16 - 47 mm

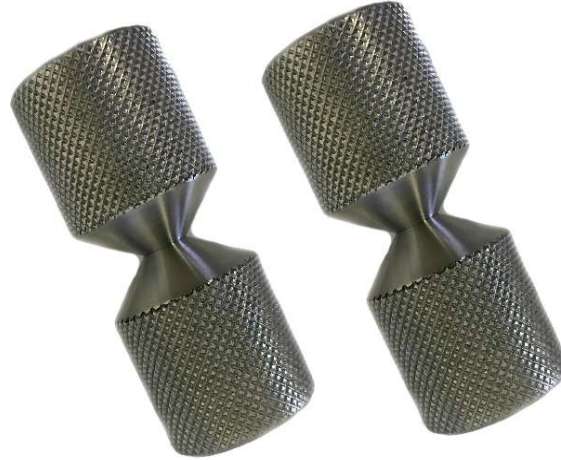


Features

Fit-Up Pro stainless steel flange pin, aka "two hole pins" are used for precise flange leveling and alignment. The PN 2124 are smaller stainless steel mini pins that fit flange holes up to 7/8". The knurled surfaces are an additional feature that allow snug flange hole fitting that increases accuracy during flange alignment.

Specifications

- Fit-Up Pro flange pins are an economical and efficient way to align flanges.
- PN 2124 for use in 1/4" - 7/8" holes.
- PN 2124 are made of stainless steel for exotic flange fit-ups.
- The flange pins offer knurled handles for increase grip and tightening ability.
- Items come in retail packaging.



PN 2124

1/4" - 7/8" Flange holes

PART NO	DESCRIPTION	FLANGE HOLE DIAMETER RANGE	
2124	Stainless steel flange pins (pair)	1/4" - 7/8"	6.5 - 22 mm



Features and advantages

- Attaches and detaches in seconds
- Makes up earth leads three ways - lug, clamp on and bare cable
- No more tangled earth leads



A simple yet effective device eliminates earth lead twisting, tangling and unnecessary wear.

Provides a stable earth for circumferential welding of pipes and fittings and eliminates weld pinholes caused by poor earthing.

Anti-arc bearings take loads of up to 400 amps.



PART NO.	DESCRIPTION	WEIGHT	
REC1	Rotary Earth Clamp	4.0 lbs.	1.80 kg