



The Mathey Dearman Sturdi Clamp is a chain clamp ideal for schedule 40 and below pipe alignment and reforming.

Originally invented in 1930, Mathey Dearman offers the Sturdi Clamp as a lighter duty version of the Mathey Dearman Double Jackscrew pipe chain clamp.

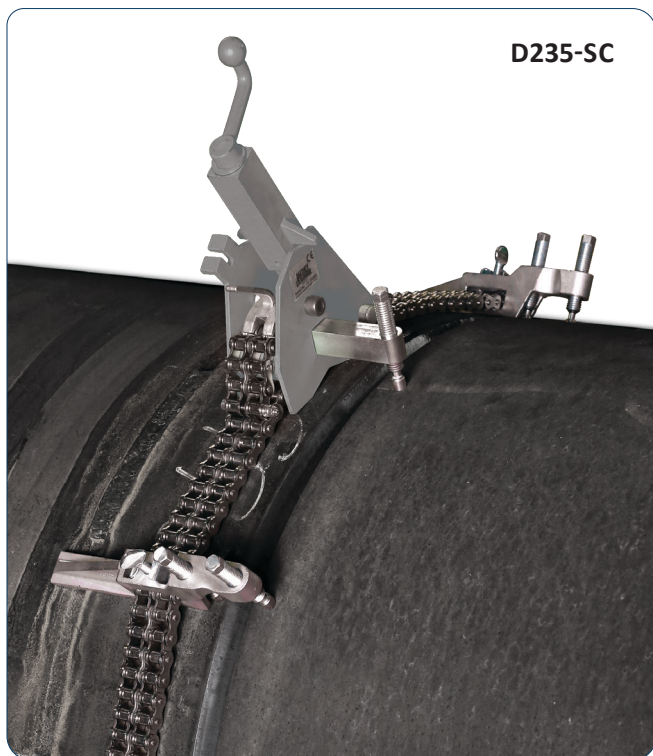
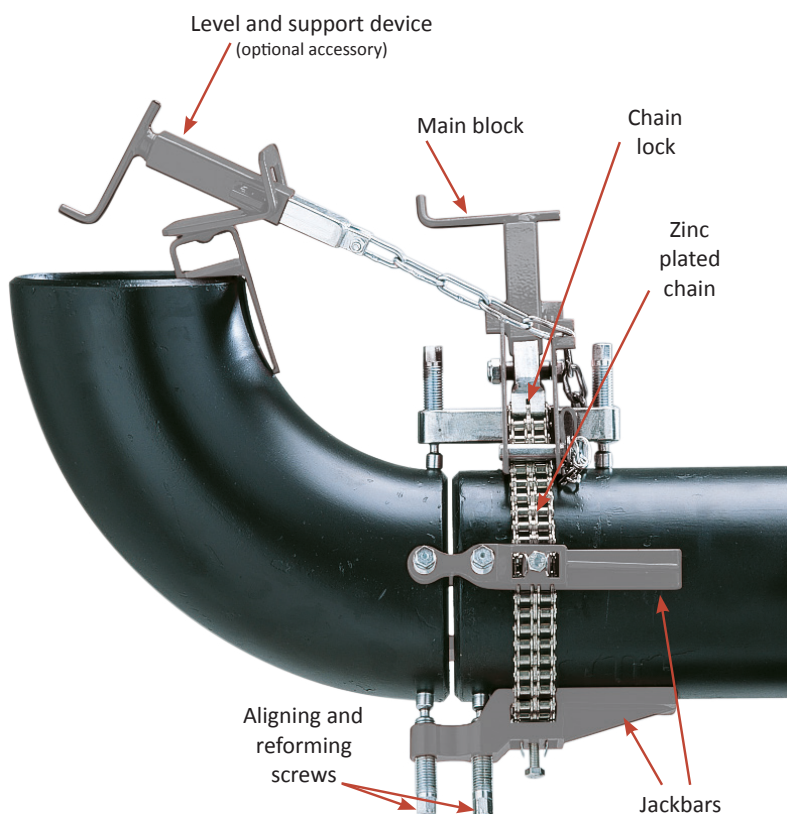
Traditional methods for aligning heavy wall pipe, such as ratchet cable pullers, lugs and bottle jacks are time consuming and inconsistent in the results they achieve, making them unsuitable for the majority of critical alignment applications.

One clamp can fit up a variety of sizes of pipes 1" to 36" (25 mm to 914 mm) diameter, elbows, tees, flanges end caps and most other pipe fittings (using the level and support device supplied).

The Mathey Dearman Sturdi Clamp is available in carbon steel chain or stainless steel version.

All Mathey Dearman Sturdi Clamps feature stainless steel jackscrews, jackbars and main blocks.

The high rise jackbars and main block provide the strength to reform the pipe either side of the weld gap to eliminate "Hi-Lo", whilst enabling the welder to weld the entire circumference of the pipe with the clamp in situ.



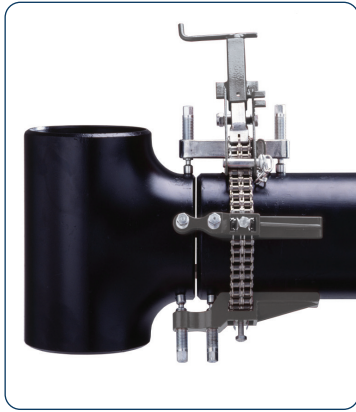
D235-SC

## Features and advantages

- **Precision alignment** - The double jackbars, spaced around the outside diameter of the pipe, provide concise alignment and reforming of the internal or external diameters of both pipes within 0.5mm
- **Reformability** - Reforms pipes on both sides of the weld joint to schedule 40 pipe and aligns any wall schedule of pipe, elbows, tees and other fittings
- **Adaptable** - The chain clamp can be used to align, and reform elbows, tees and other fittings that a cage clamp can not manage. One chain clamp covers the range of eight cage clamps
- **High rise independent jackbars** - Double jackscrew 'high rise' jackbars have extra clearance enabling easy access with welding torch/rod. Each jackscrew has independently pivoting feet to cope with uneven surfaces
- **Wide range** - One chain clamp covers a wide range of pipe sizes
- **Safe** - Elbows, tees and other fittings can be held safely and securely in place during alignment with the level and support device

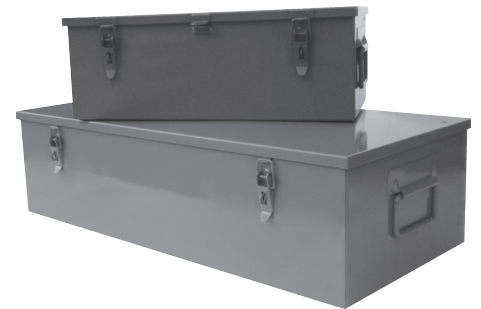
## Sturdi Clamp pipe chain clamps versatility

Some examples of fit-ups with the Sturdi Clamp. Each clamp is supplied with all accessories to carry out any fit-up and includes a steel storage box.

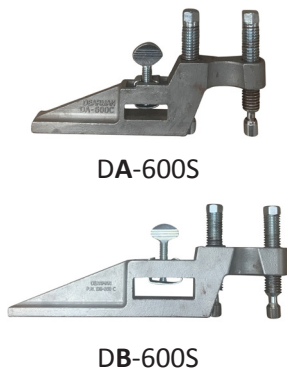


### Mathey Dearman Sturdi Clamp includes:

- 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
- Jackscrew breaker bar and socket
- Heavy duty storage box
- Parts and operating manual



#### Jackbar model



DA-600S

DB-600S

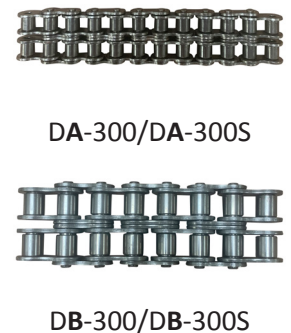
#### Main block model



DA-100

DB-100

#### Chain model



DA-300/DA-300S

DB-300/DB-300S

### Mathey Dearman Sturdi Clamp chain clamp

OLD PART NO	NEW PART NO	NO OF JACKBARS	PIPE SIZE RANGE		REFORMS/ALIGNS PIPE TO SCHEDULE*	JACKBAR MODEL	MAIN BLOCK MODEL	CHAIN MODEL
EZSCC12	D250-SC	5	1" - 12"	25 - 305 mm	40 / 80	DA-600S	DA-100	DA-300
* EZSCC12SS	* D250-SSSC	5	1" - 12"	25 - 305 mm	40 / 80	DA-600S	DA-100	DA-300S
EZSCC20	D249-SC	7	4" - 20"	102 - 508 mm	40 / 80	DA-600S	DA-100	DA-300
* EZSCC20SS	* D249SCSS	7	4" - 20"	102 - 508 mm	40 / 80	DA-600S	DA-100	DA-300S
EZSCC36	D235-SC	10	10" - 36"	254 - 914 mm	40 / 80	DB-600S	DB-100	DB-300
* EZSCC36SS	* D235-SCSS	10	10" - 36"	254 - 914 mm	40 / 80	DB-600S	DB-100	DB-300S
EZSCC54	D236-SC	14	10" - 54"	254 - 1,372 mm	40 / 80	DB-600S	DB-100	DB-300
* EZSCC54SS	* D236-SCSS	14	10" - 54"	254 - 1,372 mm	40 / 80	DB-600S	DB-100	DB-300S
EZSCC72	D237-SC	20	10" - 72"	254 - 1,827 mm	40 / 80	DB-600S	DB-100	DB-300
* EZSCC72SS	* D237-SCSS	20	10" - 72"	254 - 1,827 mm	40 / 80	DB-600S	DB-100	DB-300S

\* Suitable for stainless steel

The Sturdi Clamp does not include level and support device.

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