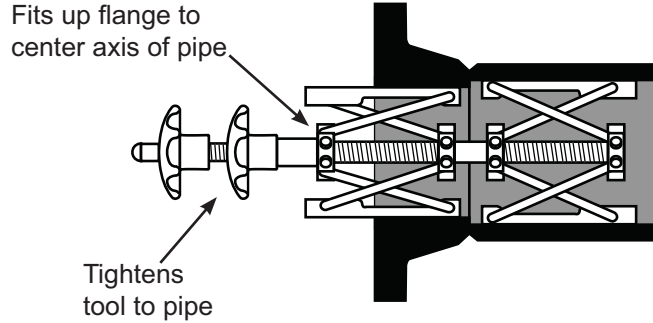


# Internal Fit-up Clamp

## The Ideal Flange Fit-up Tool!



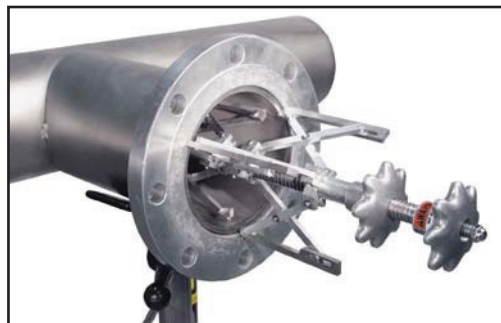
Two independently operated internal mandrels align flange to pipe even if internal dimensions differ.

- ✓ Can be used on all standard weld neck flanges and great with slip-on flanges
- ✓ Contact points stainless steel — a standard feature
- ✓ One piece construction — no loose pieces
- ✓ Quick action operation
- ✓ Priced right

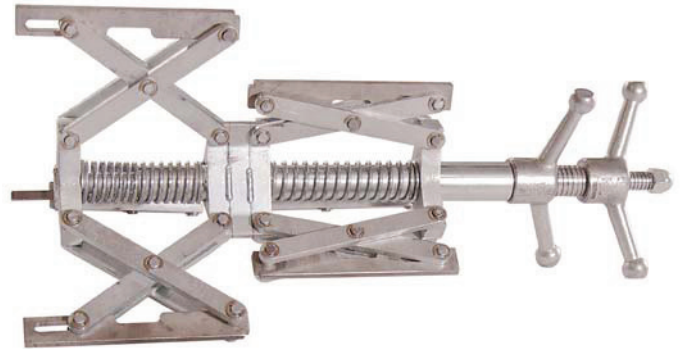
### Simple Operation



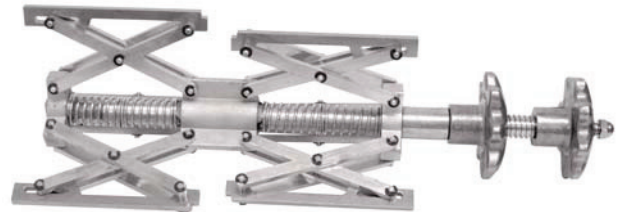
1. Tighten jaws to clamp pipe I.D.



2. Mount flange on second set of pipe jaws, adjust for gap and tighten jaws for final fit-up.



8" - 12" (200–300 mm)  
Internal Fit-Up Clamp



4" - 8" (100–200 mm)  
Internal Fit-Up Clamp



2" - 4" (50–100 mm)  
Internal Fit-Up Clamp

Part No.	Description	Weight	
		lbs	kg
784103	8" - 12" (200–300 mm) Internal Fit-up Clamp	28.0	12.7
784102	4" - 8" (100–200 mm) Internal Fit-up Clamp	8.5	3.9
784100	2" - 4" (50–100 mm) Internal Fit-up Clamp	2.5	1.1

NOTE: The Internal Fit-up Clamp is an alignment tool. A separate lifting device to support the flange weight is recommended.

# ULTRA

*quik clamp*

A fast, accurate fit-up clamp for pipe to pipe, pipe to fitting... and more!

# ULTRA<sup>®</sup>

*clamp*

**NEW!**



781530 5" - 12" (127 - 300 mm)  
 781520 2" - 6" (50 - 150 mm)  
 781510 1" - 2-1/2" (25 - 65 mm)



781130 1" - 2-1/2" (25 - 65 mm)  
 781150 2" - 6" (50 - 150 mm)  
 781170 5" - 12" (127 - 300 mm)

FIT-UP TOOLS

- ✓ Rugged frame, built for job site use
- ✓ Smooth roller clamping action for positive gripping
- ✓ Stainless steel contacts & alignment screws
- ✓ Operating handle repositions for close work
- ✓ Fine adjustment screws for quick fit-up
- ✓ Light weight for overhead work

Standard Ultra Clamps uses conventional threaded adjustment.



Push button design allows for rapid action setting and fine tune threaded adjustment

US & International Patents Pending



Pipe to Pipe



Pipe to Fitting



Pipe to Flange



Pipe to Tee

Part No.	Description	Weight	
		Lb.	Kg.
781130	1 - 2-1/2" Ultra Clamp	4.0	1.8
781150	2 - 6" Ultra Clamp	10.0	4.5
781170	5 - 12" Ultra Clamp	17.0	7.7
781510	1 - 2-1/2" Ultra Qwik Clamp	4.4	2.0
781520	2 - 6" Ultra Qwik Clamp	10.0	4.5
781530	5 - 12" Ultra Qwik Clamp	17.0	7.7

# ULTRA

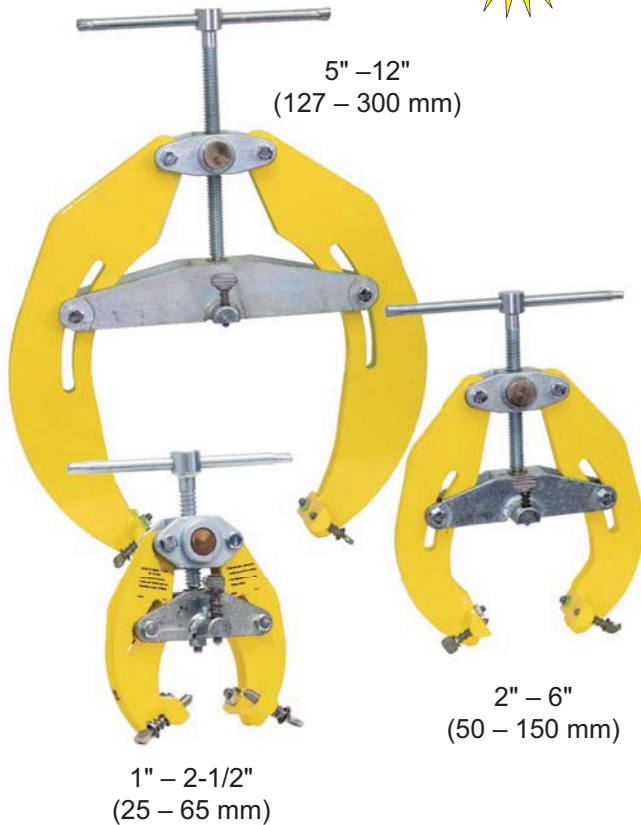
*quik fit*

**NEW!**

A fast, accurate fit-up clamp for fitting to fitting!

# ULTRA

*fit*



FIT-UP TOOLS

Fit-up two 90° fittings



Fit-up 90° fitting to tee



Standard Ultra Fits uses conventional threaded adjustment.

- ✓ Rugged, compact design to operate in tight locations
- ✓ Stainless steel contacts & alignment screws
- ✓ Two-hand operating handle for positive gripping
- ✓ Fine adjustment screws for quick fit-up
- ✓ Light weight for overhead work
- ✓ Smooth roller clamping action for positive gripping
- ✓ Ultra Qwik Fit quick release button allows clamp to open and close in seconds
- ✓ Push button design allows for rapid action setting and fine tune threaded adjustment

Part No.	Description	Weight	
		lbs	kg
781265	1" – 2-1/2" Ultra Fit	4.0	1.8
781275	2" – 6" Ultra Fit	8.0	3.6
781285	5" – 12" Ultra Fit	15.0	6.8
781540	1" – 2-1/2" Ultra Qwik Fit	4.4	2.0
781550	2" – 6" Ultra Qwik Fit	10.0	4.5
781560	5" – 12" Ultra Qwik Fit	15.0	6.8

US & International Patents Pending

# CLAMP Champ

## Pipe alignment and clamping tool.



FIT-UP TOOLS

All parts plated to resist rust

High tensile strength chain with black oxide finish

Flared jack bars are easy to add or remove to accommodate a wide range of pipe diameters

Jack bar screw allows welder to square and space the fit up easily

Knurled adjustment for gloved hands and precise leveling

Leveling and supporting device quickly and accurately sets gap

Drop forged handle and wing nuts designed for rough field use and easy adjustment with gloved hands

Fast action chain lock system for fast set-up

### CLAMP CHAMP... an advanced solution for today's problem fit ups!

The Clamp Champ is built for the welder who takes pride in doing his job right the first time. Constructed for years of trouble-free job site use, the versatile Clamp Champ makes pipe fit-up simple and accurate – without the need of a helper. The Clamp Champ is similar to a pipe vise with fast, easy set up and solid chain engagement.

Each model offers:

#### FIT-UP CAPACITY

- Pipe to Pipe
- Pipe to Fitting
- Pipe to Flange
- Fitting to Fitting

Plus... Reforming up to schedule 40 pipe!

#### LOW COST

Half the cost of comparable cage clamps

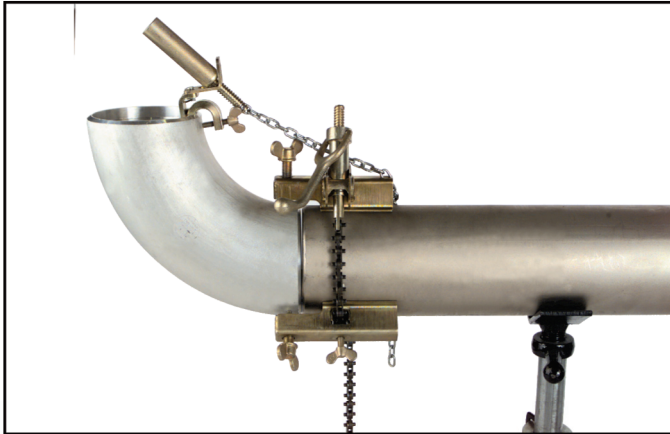
#### LIGHTWEIGHT CONSTRUCTION

Engineered for strength without the weight

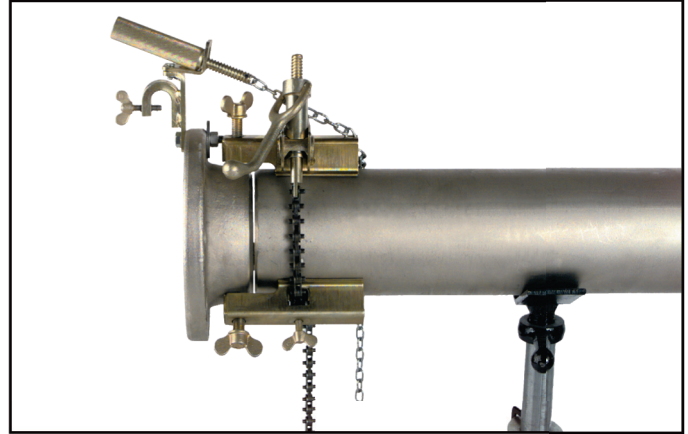
#### WIDE RANGE

- 1-10" (25-250 mm)
- 1-16" (25-400 mm)
- 10-36" (250-900 mm)
- Carbon or Stainless
- Plus... Conversion Kits to 48" (1,200 mm) pipe!

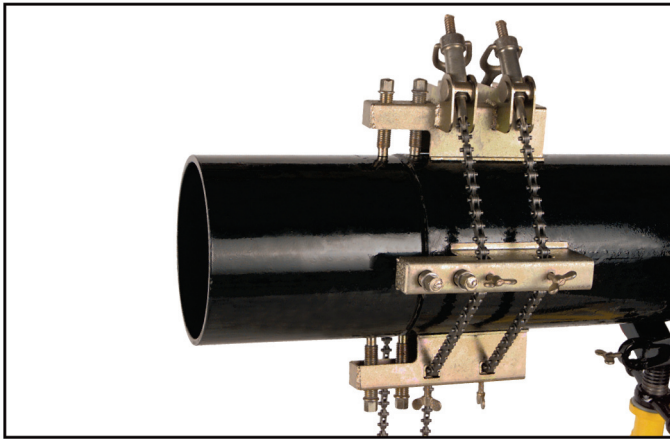
**Each Clamp Champ is capable of a wide range of fit-ups ... without additional accessories!**



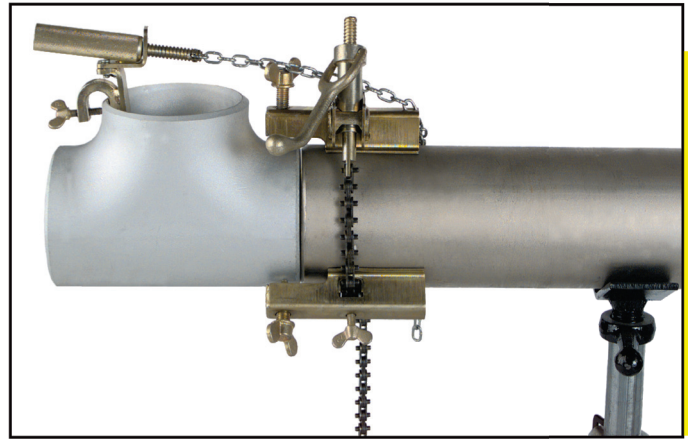
Pipe to 90° Fitting



Pipe to Flange



Pipe to Pipe



Pipe to Tee

FIT-UP TOOLS

**Standard Kit:**

Consists of metal carrying box, main block and chain, jack bars and instruction manual. Large Clamp Champ includes double jack screws for reforming 20 mm pipe wall.

Range	Model	Part No.	Description	Number of Jack Bars	Weight	
					Lb.	Kg.
1-10" (25 - 250 mm)	Standard	781000	ST-110 Standard Clamp Champ	3	21.0	9.5
1-10" (25 - 250 mm)	Stainless Steel	780999	ST-210 Stainless Steel Clamp Champ	3	21.0	9.5
1-16" (25 - 400 mm)	Standard	780998	ST-116 Standard Clamp Champ	5	25.0	11.3
1-16" (25 - 400 mm)	Stainless Steel	780997	ST-216 Stainless Steel Clamp Champ	5	25.0	11.3
10-36" (250 - 900 mm)	Standard	781250	Standard Clamp Champ	7	111.0	50.4
10-36" (250 - 900 mm)	Stainless Steel	781251	Stainless Steel Clamp Champ	7	111.0	50.4



**Conversion Kit:**

Consists of chain and jack bars to increase Clamp Champ capacity

Capacity Increase from	Capacity Increase to	Model	Part No.	Number of Jack Bars	Chain Length	Weight	
						Lb.	Kg.
10" (250 mm)	16" (400 mm)	Standard	781031	2	18" (450 mm)	7.0	3.2
10" (250 mm)	16" (400 mm)	Stainless Steel	781032	2	18" (450 mm)	7.0	3.2
36" (900 mm)	48" (1,200 mm)	Standard	781252	2	30" (760 mm)	16.0	7.3
36" (900 mm)	48" (1,200 mm)	Stainless Steel	781253	2	30" (760 mm)	16.0	7.3



## For fast, accurate alignment of carbon pipe flanges

- ✓ Quick installing pins work to level flange (two-hole) for tack and weld-out
- ✓ Hardened tapered Qwik Pins automatically center on 5/8" to 1-5/8" (16–42 mm) holes
- ✓ Features Acme threads for maximum clamping power and hardened steel for long-lasting use



Part No.	Description	Weight	
		lbs	kg
781235	Qwik Pins	4.0	1.8

### Simple Operation

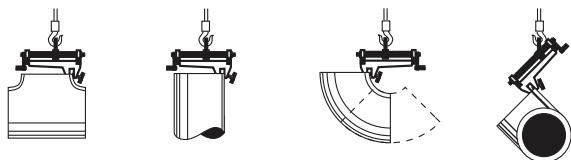
1. Push spring-loaded button
2. Separate pin from nut
3. Insert into top two flange holes
4. Push spring button and re-insert onto pin
5. Quarter turn to tighten

FIT-UP TOOLS

## Adjust-A-Fit

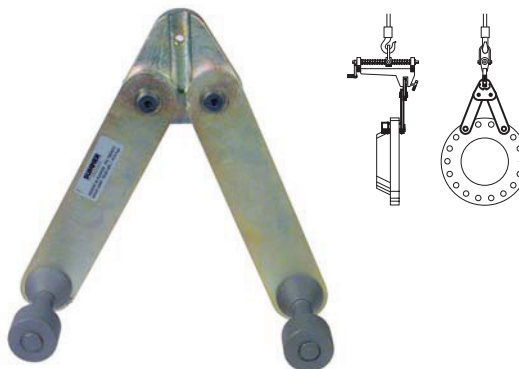


- ✓ Makes lining up fittings a trouble-free, one man operation
- ✓ Uses gravity to align fittings for loads up to 45°
- ✓ Fastens directly onto fittings for loads up to 1,000 lb (450 kg)
- ✓ Threaded shaft assembly is hardened for long tool life
- ✓ Cloverleaf setscrew and threaded shaft handle work from either side



Part No.	Description	Weight	
		lbs	kg
780420	ST-104 Adjust-A-Fit	11.0	5.0

## Adjust-A-Flange



- ✓ Fits all flanges for 5" pipe and larger with bolt holes 3/4" to 1-5/8" (19 to 42 mm)
- ✓ Used in combination with the Adjust-A-Fit to bring pipe flanges to exact plumb for tack and weld out
- ✓ Eliminates 75% of the hard work in pipe fitting when used with the Adjust-A-Fit and Roust-A-Bout (see Sumner Material Lifts catalog)
- ✓ Handles loads up to 1,000 lb (450 Kg)
- ✓ Flange nuts serve as convenient reference points to check level

Part No.	Description	Weight	
		lbs	kg
780425	ST-105 Adjust-A-Flange	11.0	5.0