

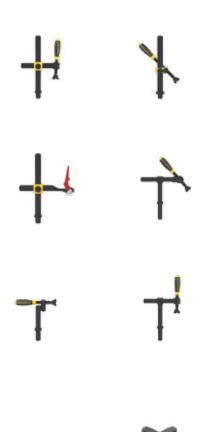




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Clamps & Accessories









Professional Screw Clamp



Description:

Professional Screw Clamp, enables fast, powerful and exact clamping with a variety of welding elements. Achieve maximum efficiency through time-saving, quick adjustments and effortless disassembly. For individual modification, we offer special lenghts of horizontal and vertical bars. The dimensions of the horizontal bar are 30x10 mm. The dimensions of the vertical bar are 30x14 mm. Additionally, the vertical bar is reinforced.

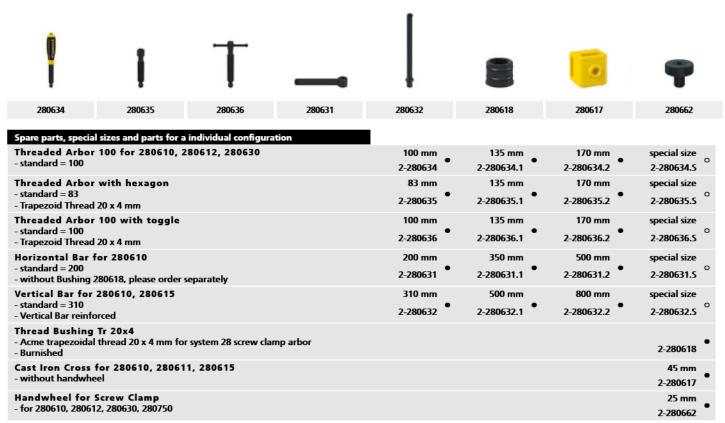
To safely fasten every kind of welding element, the prisms are interchangeable. For suitable prisms, see page 338.

A long lifetime and efficiency is guaranteed by the burnished material, as well as the option to order spare parts individually.

With the new handwheel on the cast iron cross, the height can be adjusted within seconds. Due to the hexagonal Allen insert, located at the top of the handle, the force of the clamp can be adjusted precisely by a torque-limiting wrench.



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp	5 kN	2,70 kg	2 280610 •
Professional Screw Clamp special size			2-280610.5 •









Professional Screw Clamp XL



Description:

The Professional Screw Clamp XL was especially designed for tasks that require special effort.

In order to safely fasten all kinds of welding elements with the screw clamp, the prism is interchangeable. For suitable prisms see page 338.

The horizontal and vertical bar is available in various lengths. The dimensions of the flat bar in use are 35x14 mm.

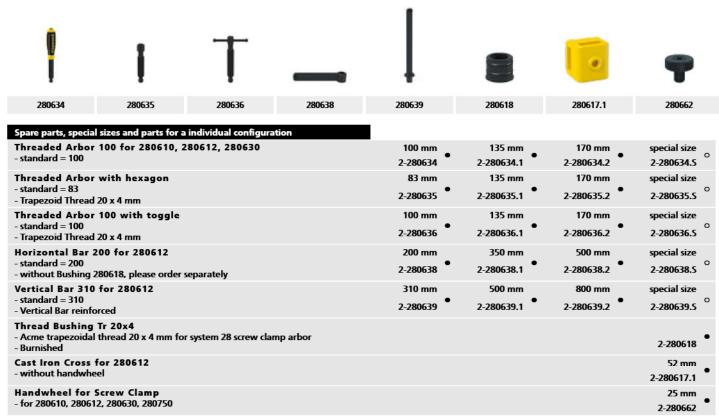
A long lifetime and efficiency is guaranteed by the burnished material, as well as the option to order spare parts individually.

With the new handwheel on the cast iron cross, the height can be adjusted quickly.

Due to the countersunk hexagonal Allen Wrench, located at the top of the handle, the force of the clamp can be adjusted precisely by a torque wrench.



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp XL	7 kN	3,40 kg	2 280612 •
Professional Screw Clamp XL special size			2-280612.5 •









Professional Screw Clamp 45°/90°



Description:

The Professional Screw Clamp 45°/90° replaces conventional 45° or 90° screw clamps. This Screw Clamp sets new standards because of its infinitely variable rotatability from 0°-360°.

To fasten every kind of welding part with the clamps, the prisms are interchangeable. For suitable prisms see page 338. The dimensions of the flat bar in use are 30x14 mm.

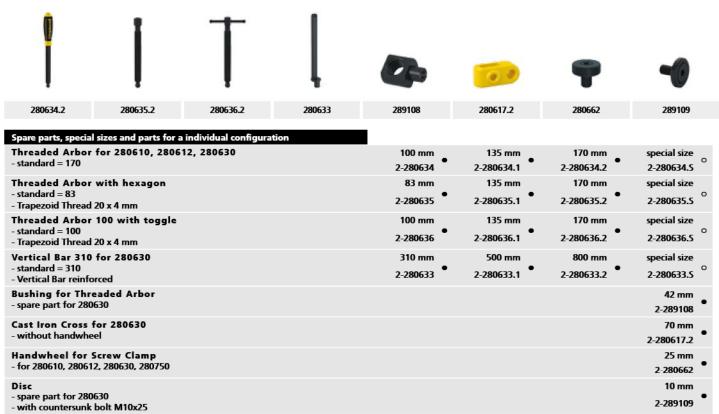
A long lifetime and efficiency is guaranteed by the burnished material, as well as the option to order spare parts individually.

With the new handwheel on the cast iron cross, the height can be adjusted quickly.

Through the countersunk hexagonal Allen Wrench, located at the top of the handle, the force of the clamp can be adjusted precisely by a torque wrench. Additionally, the vertical bar is reinforced.



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp 45°/90°	5 kN	2,30 kg	2 280630 •
Professional Screw Clamp 45°/90° special size			2-280630.S o









Professional Fast Tension Clamp



Description:

The Professional Fast Tension Ratchet Clamp is used to clamp welding parts quickly and powerfully. The force can be set individually with the grating.

A long lifetime and efficiency is guaranteed by the burnished material, as well as the possiblity to order spare parts individually.

With the new handwheel on the cast iron cross, the height can be adjusted quickly.



Standard model	maximum load:	Weight:	Item No.
Professional Fast Tension Clamp	5 kN	2,00 kg	2 280615 •
Professional Fast Tension Clamp special size			2-280615.5 •



Spare parts, special sizes and parts for a individual configuration				
Horizontal Bar with Fast Clamping Function 200 for 280615 - standard = 200	200 mm 2-280637	350 mm 2-280637.1	500 mm 2-280637.2	special size 2-280637.5
Vertical Bar for 280610, 280615 - standard = 310 - Vertical Bar reinforced	310 mm 2-280632	500 mm 2-280632.1	800 mm 2-280632.2	special size 2-280632.5
Cast Iron Cross for 280610, 280611, 280615 - without handwheel				45 mm 2-280617
Handwheel for Screw Clamp - for 280610, 280612, 280630, 280750				25 mm 2-280662

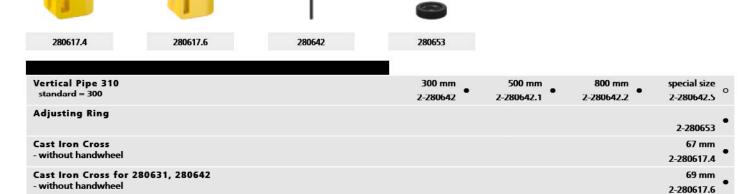






Vertical Round Pipe + Cast Iron Cross





APPLICATION EXAMPLE UPON REQUEST















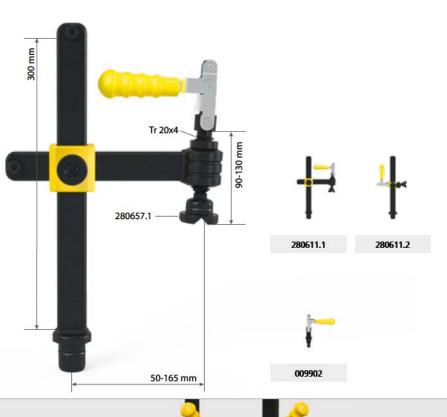


siegmund°





Professional Screw Clamp with vertical action toggle



Description:

The Professional Screw Clamp with vertical clamp ensures quick and effortless clamping. Maximum clamping stability is achieved as a result of vertical clamping from above. The special feature of this screw clamp is the stronger clamping stroke in comparison to conventional fast tension clamps.

With the new handwheel on the cast iron cross, the height can be adjusted quickly.

Vertical bar is hardened.

To fasten every kind of welding part, the prisms are interchangeable. For suitable prisms, see page 338.





	maximum load Heig	ht: (c) Weight:	Item No.
Professional Screw Clamp with vertical action toggle	2,5 kN 310	mm 3,30 kg	2-280611.1 •
Professional Screw Clamp 45°/90° with vertical action toggle	2,5 kN 310	mm 2,20 kg	2-280611.2 •
Vertical Toggle Clamp	85 r	nm 0,40 kg	2-009902 •

Fast Tension Clamp, Standard

100 mm



280616







	Length: (a)	Width: (b)	Weight:	Item No.
Fast Tension Clamp, Standard S20	200 mm	100 mm	1,10 kg	2-280616 •
Fast Tension Clamp, Standard S25	250 mm	120 mm	1,50 kg	2-280616.1 •
Fast Tension Clamp, Standard S30	300 mm	140 mm	2,30 kg	2-280616.2 •
Fast Tension Clamp, Standard S40	400 mm	120 mm	2,50 kg	2-280616.3 •

^{● =} Stock item / O = Item is made to order

Description:

Conventional Fast Tension Clamp, enables fast clamping due to its simple and precise mechanism.

The Clamp is available in various sizes.





Basic Pipe Clamp Universal



Description:

Basic Pipe Clamp Universal, with swiveling Arbor enables flexible clamping at a +/-42 degree angle. This Pipe Clamp combines the advantages of conventional 45° or 90° clamps. It can be used at an angle as well as straight, resulting in additional clamping options and a more variable clamping range.

The horizontal round tube with a length of 200 mm is fully adjustable and creates, combined with the swiveling arbor, a variable clamping range. The length of the vertical pipe is 250 mm. To safely fasten different welding parts, the prisms are interchangeable.

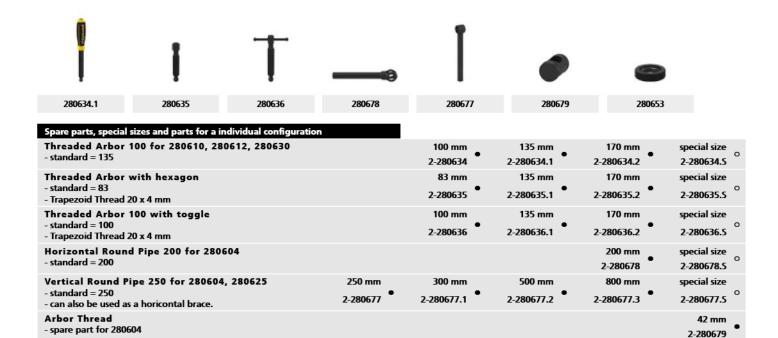
For compatible prisms, see page 338. A long lifetime and efficiency is guaranteed by the burnished material, as well as the option to order replacement parts individually.

To integrate the vertical pipe into the system bore holes, an adjusting ring is used (Item No. 280653). As a standard feature, the Round Pipe Clamp Universal is equipped with a 135 mm threaded arthor



Standard model	maximum load:	Weight:	Item No.
Basic Pipe Clamp Universal	3 kN	2,30 kg	2 280604 •
Basic Pipe Clamp Universal special size			2-280604.5 •

2-280653



● = Stock item / O = Item is made to order

Adjusting Ring











siegmund^o





Basic Pipe Clamp 90°



Description:

Round Tube Clamp 90°, enables precise and powerful clamping of components at a 90 degree angle relative to the system bore holes. The clamp can be smoothly rotated by 360°, therefore allowing free positioning.

To safely fasten different welding elements, the prisms are interchangeable. For compatible prisms see 338.

A long lifetime and efficiency is guaranteed by the burnished material, as well as the option to order replacement parts separately.

To integrate the vertical pipe into the system bore holes, an adjusting ring is used (Item No. 280653).



Standard model	maximum load:	Weight:	Item No.
Basic Pipe Clamp 90°	3 kN	1,40 kg	2 280608 •
Basic Pipe Clamp 90° special size		1,40 kg	2-280608.5 •



standard = 100		100 mm 2-280634	135 mm 2-280634.1	170 mm 2-280634.2	special size 2-280634.S
nreaded Arbor with hexagon standard = 83 Trapezoid Thread 20 x 4 mm		83 mm 2-280635	135 mm 2-280635.1	170 mm 2-280635.2	special size 2-280635.5
nreaded Arbor 100 with toggle standard = 100 Trapezoid Thread 20 x 4 mm		100 mm 2-280636	135 mm 2-280636.1	170 mm 2-280636.2	special size 2-280636.S
ertical Round Pipe 200 for 280608 tandard = 200	200 mm 2-280676	300 mm 2-280676.1	500 mm 2-280676.2	800 mm 2-280676.3	special size 2-280676.S







Basic Pipe Clamp 180°



Description:

Basic Pipe Clamp 180°, enables precise and powerful clamping of components at a 180° angle relative to the system bore holes. Due to the round pipe the clamp can be easily and quickly adjusted horizontally, within a range of 45-180 mm. The length of the vertical pipe is 250 mm.

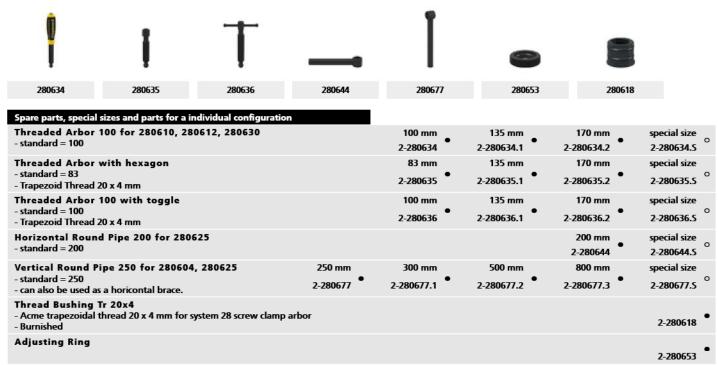
To safely fasten different welding elements, the prisms are interchangeable. For compatible prisms see page 338.

A long lifetime and efficiency is guaranteed by the burnished material, as well as the option to order replacement parts individually. To secure the vertical pipe in the system bore holes, an Adjusting Ring (Item No. 280653) is used.

The length of the spindle is 100 mm.



Standard model	maximum load:	Weight:	Item No.
Basic Pipe Clamp 180°	3 kN	2,30 kg	2 280625 •
Basic Pipe Clamp 180° special size			2-280625.S o









Adapter 45°





Description:

By simply screwing the Adapter 45° to the horizontal bar of a Screw Clamp Standard, it can be converted into a Screw Clamp 45°.







280663.1



	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Adapter 45° - for screw clamp 280610 - Burnished	75 mm	30 mm	55 mm	0,18 kg	2-280663 •
Adapter 45° - for screw clamp XL 280612 - Burnished	75 mm	30 mm	60 mm	0,18 kg	2-280663.1 •

Thread Bushing

Description:

The burnished Threaded Bushing was especially designed for working in restricted spaces. The threaded bushing is the compatible counterpart which incorporates screw clamp arbors from the 16 mm system (Tr 12x3) or the 28 mm system (Tr 20x4). A combination of threaded bushing, screw clamp arbor and heavy squares, is ideal to perform complicated horizontal clamping tasks.







280618

280619







	Height (c)	Ø: (o)	Weight:	Item No.
Thread Bushing Tr 20x4 - Acme trapezoidal thread 20 x 4 mm for system 28 screw clamp arbor - Burnished	23 mm	28 mm	0,05 kg	2-280618 •
Thread Bushing Tr 12x3 - Acme trapezoidal thread 12 x 3 mm for system 16 screw clamp arbor - Burnished	23 mm	28 mm	0,07 kg	2-280619 •





Angle Bushing





Angle Bushing / -Sleeve, can be flexibly used in conjunction with a Clamping Pipe (Item No. 280750 + 280642).

By using a Threaded Bushing (Item No. 280618), the Angle Bushing / -Sleeve can be used in combination with a threaded arbor.

Axial distance 40 mm.





280770

280771







	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Angle Bushing 45° - for clamping pipe 280750, 280642	80 mm	40 mm	40 mm	0,32 kg	2-280770 •
Angle Bushing 90° - for clamping pipe 280750, 280642	80 mm	40 mm	40 mm	0,32 kg	2-280771 •

Angle Socket



Description:

Angle Bushing / -Sleeve, can be flexibly used in conjunction with a Clamping Pipe (Item No. 280750 + 280642).

By using a Threaded Bushing (Item No. 280618), the Angle Bushing / -Sleeve can be used in combination with a threaded arbor.

Axial distance 40 mm.





280772

280773





	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Angle Socket 45° - for clamping pipe 280750, 280642	100 mm	67 mm	40 mm	0,32 kg	2-280772 •
Angle Socket 90° - for clamping pipe 280750, 280642	85 mm	85 mm	40 mm	0,39 kg	2-280773 •





Prism for Screw Clamps







280657.1

280658





280659

200001

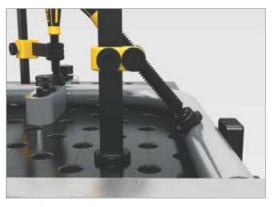
Description:

Prism for Screw Clamps, suitable for clamping of round and square pipes. Due to its location at the ball head of the threaded arbor, the prism is movable and can therefore be fixed precisely on the workpiece. It is replaced by simply taking it off the ball head.

The Prism is available in various material finishes.

The Polyamid Prism is used for scratch-prone surfaces.

The Stainless Steel Prism is used for scratchresistent precious metals (rust prevention).







	Height: (c)	Ø: (o)	Weight:	Item No.
Prism for Screw Clamps - Burnished	24 mm	40 mm	0,09 kg	2-280657.1 •
Prism for Screw Clamps - Stainless Steel	25 mm	40 mm	0,10 kg	2-280658 •
Prism for Screw Clamps - Polyamide	25 mm	40 mm	0,01 kg	2-280659 •
Pressure Ball Blank for Screw Clamps - Polished - Trapezoid Thread 20 x 4 mm - according to customer specifications	30 mm	40 mm	0,19 kg	2-280661 •

^{● =} Stock item / ○ = Item is made to order





Duo Prism Ø 40 for Screw Clamps



Description:

Duo Prism, compatible with all bore holes and screw clamps of System 28, due to ist dual function. The O-ring provides perfect fixing and fitting accuracy. The 120° square creates a stable support surface for all round pipes. The leveled corners of the prism enable working with flat welding parts.

The Polyamid Prism is used for scratch-prone surfaces.





	Height: (c)	Ø: (o)	Weight:	Item No.
Duo Prism Ø 40 - Burnished	35 mm	40 mm	0,15 kg	2-280650 •
Duo Prism Ø 40 - Aluminum	35 mm	40 mm	0,05 kg	2-280650.A •
Duo Prism Ø 40 - Polyamide	30 mm	40 mm	0,02 kg	2-280650.P •

^{● =} Stock item / O = Item is made to order

CLAMPS & ACCESSORIES

Description:

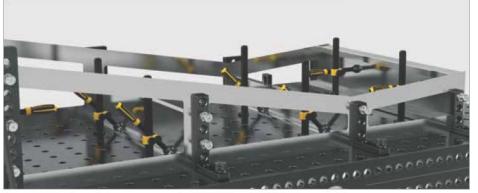
Pressure Ball for screw clamps, especially designed for clamping in corners or grooves. Due to its location at the ball head of the threaded arbor, the prism is movable, and can therefore be precisely mounted to the work piece.

Pressure Ball for Screw Clamps

It can be replaced by simply removing it from the ball head.

The Pressure Ball is available in various materials. The polyamide Pressure Ball is used for scratch-prone surfaces. The stainless steel Pressure Ball is used for scratch-resistent metals (rust prevention).







	Height: (c)	Ø: (o)	Weight:	Item No.
Pressure Ball for Screw Clamps - Burnished - Trapezoid Thread 20 x 4 mm	18 mm	35 mm	0,07 kg	2-280660 •
Pressure Ball for Screw Clamps - Stainless Steel - Trapezoid Thread 20 x 4 mm	18 mm	35 mm	0,07 kg	2-280660.E •
Pressure Ball for Screw Clamps - Polyamide - Trapezoid Thread 20 x 4 mm	18 mm	35 mm	0,01 kg	2-280660.P •





Clamping Bridge 2P







280210

280212



Description:

The Clamping Bridge 2P is perfect to work in positions which are difficult to access or to clamp various components simultaneously. Clamping on uneven surfaces is also possible with pendulum compensation. High functionality is guaranteed with quick shifting of the spherical pin. A clamping bridge, two ball pins and two prisms are included in the delivery.

In order to safely attach any kind of welding elements with the Clamping Bridge 2P, the prism is interchangeable. Suitable prisms see page 338.



	Length: (a)	Width: (b)	Height: (c)	Ø: (o)	Weight:	Item No.
Clamping Bridge 2P for Screw Clamps - 2 clamping spots simultaneously	170 mm	35 mm	20 mm		0,80 kg	2-280210 •
Spherical Pin for Clamping Bridge				16 mm	0,04 kg	2-280212 •

^{● =} Stock item / O = Item is made to order

CLAMPS & ACCESSORIES

Clamping Bridge 3P







280211

280212





The Clamping Bridge 3P is perfect to work in positions which are difficult to access, or to clamp various components simultaneously. Clamping on uneven surfaces is also possible with pendulum compensation. The uniqueness of the Clamping Bridge 3P is a result of the three-dimensionality, which makes clamping in three dimensions possible. High functionality is guaranteed with quick shifting of the spherical pin. A clamping bridge, three ball pins and three prisms are included with delivery.

In order to safely attach any kind of welding elements with the Clamping Bridge 3P, the prism is interchangeable. Compatible prisms see page 338.



	Length: (a)	Width: (b)	Height: (c)	Ø: (o)	Weight:	Item No.
Clamping Bridge 3P for Screw Clamps - 3 clamping points simultaneously	170 mm	35 mm	20 mm		1,00 kg	2-280211 •
Spherical Pin for Clamping Bridge				16 mm	0,04 kg	2-280212 •







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