



System 16
Precision-Clamping & Welding Bench





System 16

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We reserve the right to make technical changes.



plan

develop

realize

Innovation is our field!

The lightness and precision of the 16 system is ideal for filigree components. Large bench areas can be created by joining several benches. Ideal for lightweight workpieces and welding robots as a result of its low weight. Load per bench at least 500 kg.



Using the latest CNC production methods (i.e. processing on five sides), enables us to offer you top quality. The precision, 16 mm drill holes, sunk from beneath in combination with the 50 mm grid, provides an option in flexibility and compatibility.

The 16 system once again sets new standards - for your success!



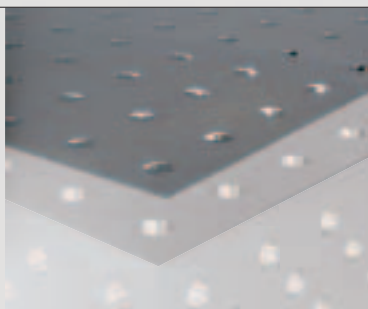
System 16 - Precision-Clamping & Welding Bench

solid - compatible - modular - for everyday use



Precision from the beginning!

**16 mm holes,
hole spacing 50 mm,
bench cheek 100 mm high,
bench height 850 mm,
material thickness approx. 12 mm.
Construction reinforced by ribs.
Surface finely cut / ground.**



The aluminium perforated sheets have the same hole pattern as the benches and are used for cutting iron and stainless steel.



All the feet on the 28 system can also be used for the 16 system.

article no.

Aluminium plate with holes

996 x 996 x 2 mm **160200**
1996 x 996 x 2 mm **160201**
1196 x 1196 x 2 mm **160202**
1496 x 996 x 2 mm **160203**
2396 x 1196 x 2 mm **160204**

article no. 160858


Leg basic

- weight: 5 kg
- weight bearing capacity 500 kg

article no. 160866



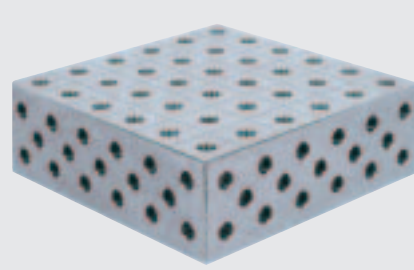


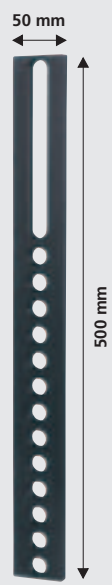
Leg with castors

- weight: 5 kg
- weight bearing capacity 180 kg

	<p>article no. 160010</p> <p>Comfort Bench 1000 x 1000 x 100 mm - weight: 220 kg - 4 legs - with castors 160011</p>	<p>article no. 160015</p> <p>Comfort Bench 1200 x 1200 x 100 mm - weight: 250 kg - 4 legs - with castors 160016</p>	<p>article no. 160035</p> <p>Comfort Bench 1500 x 1000 x 100 mm - weight: 260 kg - 4 legs - with castors 160036</p>
			
	<p>article no. 160020</p> <p>Comfort Bench 2000 x 1000 x 100 mm - weight: 350 kg - 4 legs - with castors 160021</p>	<p>article no. 160030</p> <p>Comfort Bench (2x bench 160015) 2400 x 1200 x 100 mm - weight: 500 kg - 8 legs - including 4 bolts 160560</p>	<p>article no. 160040</p> <p>Comfort Bench (3x bench 160035) 3000 x 1500 x 100 mm - weight: 780 kg - 12 legs - including 8 bolts 160560</p>



Stops and Clamping Squares

article no.	article no. 160410	article no. 160280
<p>Eccentric Stop 45 Ø 45 mm - weight: 0.127 kg - bronzed 160401</p> <p>Eccentric Stop 75 Ø 75 mm - weight: 0.39 kg - bronzed 160403 - with M10 thread for bulk annexations / joints 160402</p>  <p>160401</p> <p>160403</p> <p>160402</p>	<p>Universal Stop 75 L 75 x 25 x 12 mm - weight: 0.072 kg - bronzed</p> 	<p>Clamp Block 300 x 300 x 100 mm - weight: 16 kg - holes on five sides</p> 
		
article no. 160420	article no. 160422	article no. 160432
<p>Universal Stop 115 L 115 x 25 x 12 mm - weight: 0.146 kg - variable adjustable - through long hole Universal clamping possibilities - bronzed</p>	<p>Universal Stop 165 L 165 x 25 x 12 mm - weight: 0.2 kg - variable adjustable - through long hole universal clamping possibilities - bronzed</p>	<p>Universal Stop 500 M 500 x 50 x 12 mm - weight: 2 kg - variable adjustable - through long hole universal clamping possibilities - bronzed</p>

article no. 160110

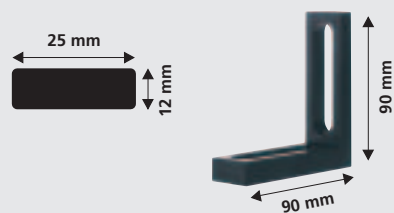
Stop and Clamping square 90 L

90 x 90 x 25 x 12 mm

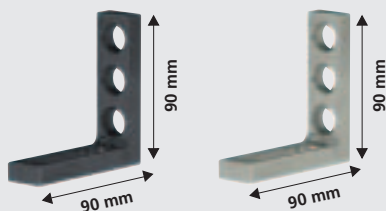
- weight: 0.232 kg

- fixed or variably adjustable **160110**
- flexible in every direction **160111**

- aluminium **160110.A**



160111



160110

160110.A

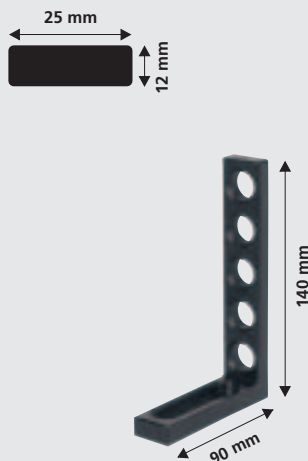
article no.

Stop and Clamping square 140 L

90 x 140 x 25 x 12 mm

- weight: 0.307 kg

- bronzed



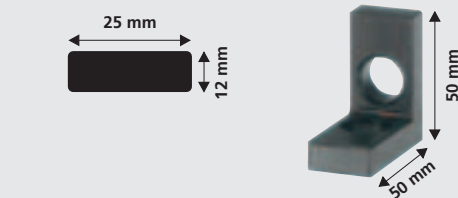
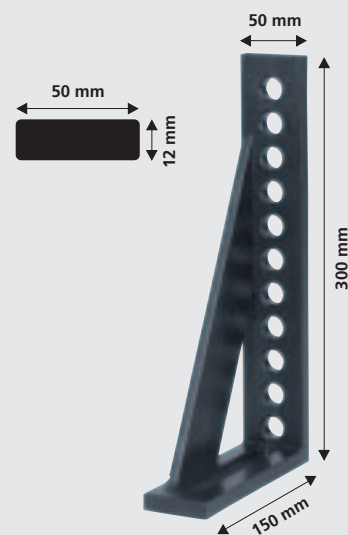
article no. 160160

Stop and Clamping Square 300 M

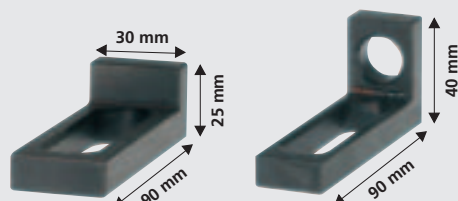
150 x 300 x 50 x 12 mm

- weight: 1.46 kg

- bronzed

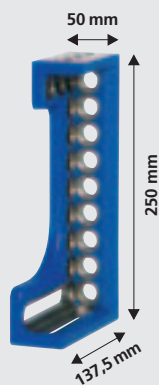


160105



160108

160109



article no.

Stop and Clamping square 90L

50 x 50 x 25 x 12 mm **160105**

- weight: 0.164 kg

Stop and Clamping square 90XL

90 x 25 x 30 x 12 mm **160108**

- weight: 0.19 kg

Stop and Clamping square 90SL

90 x 40 x 25 x 12 mm **160109**

- weight: 0.156 kg

article no.

Stop and Clamping Square 250 C

- left - 137.5 x 250 x 50 mm **160124**

- right - 137.5 x 250 x 50 mm **160126**

- weight: 2.35 kg

article no.

Stop and Clamping Square 500 C

- left - 187 x 500 x 50 mm **160134**

- right - 187 x 500 x 50 mm **160136**

- weight: 5.4 kg



Bolts • Prisms

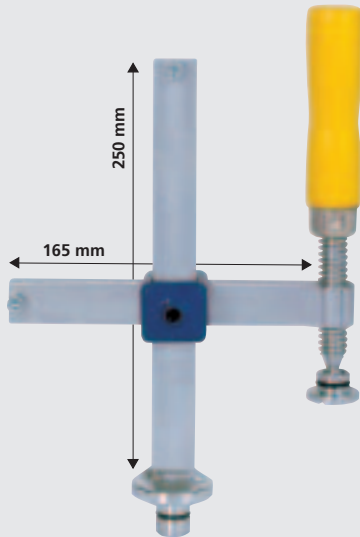
article no. 160510	article no. 160512	article no.	article no.
Fast clamping bolt with turn-lock fastener short - with integrated handwheel - with Allen Key - bronzed	Fast clamping bolt with turn-lock fastener long - with integrated handwheel - with Allen Key - bronzed - clamped by 3 components	Clamping bolt - one-hand operation with Allen Key hand wheel - with Allen Key inside - bronzed - short 160520 - long 160530 - clamped by 3 components	Positioning Bolt - for Allen Key - compatible with all Bench systems with 16 mm drilled holes - bronzed - short 160532 - long 160533 - clamped by 3 components
			
			
article no. 160528 Counterunk Bolt with balls short - for hidden application - with Allen key - bronzed	article no. Connecting Bolt countersunk - with counter-sunk Allen key - long term connection - self-centering - not suitable for long holes - also for hidden applications - bronzed - short 160560 - long 160561 clamped by 3 components	article no. Prism 50 Ø 50 mm - for round and square pipes - suitable for all 16 mm drilled holes - bronzed 160645 - galvanized 160645.Z - aluminium 160645.A - polyamide 160645.P	article no. Prism for Screw Clamp - bronzed 160657 - stainless steel 160658 - polyamide 160659

Clamps

article no. 160610

Screw Clamp Standard

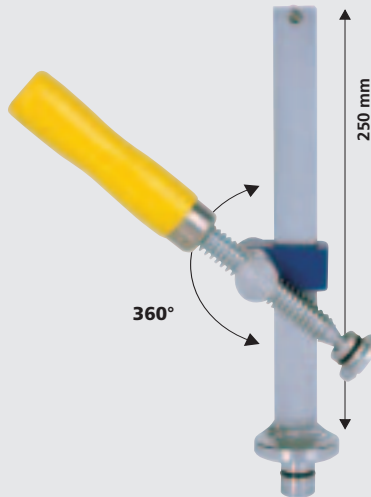
- 30-130 mm
- completely adjustable
- exchangeable prisms
- galvanised



article no. 160630

Screw Clamp 45°/90°

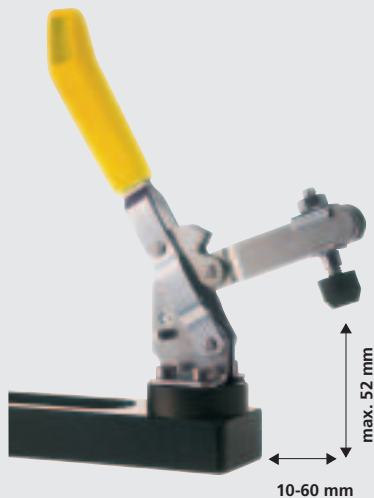
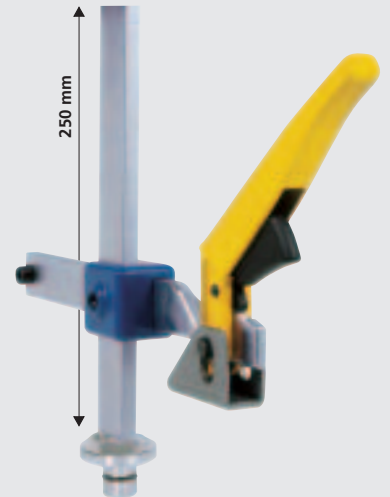
- vertical 200 mm
- completely adjustable 0-360°
- exchangeable prisms
- galvanised



article no. 160615

Fast Tension Clamp

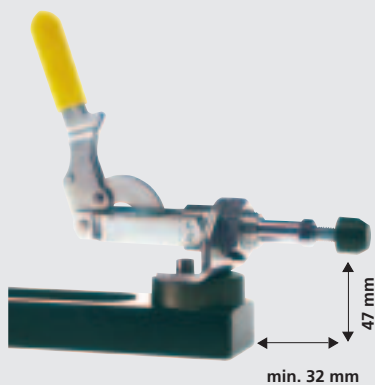
- horizontal 50-200 mm
- vertical 200 mm
- for shortest clamping time
- galvanised



article no. 160705

Vertical clamp with adapter

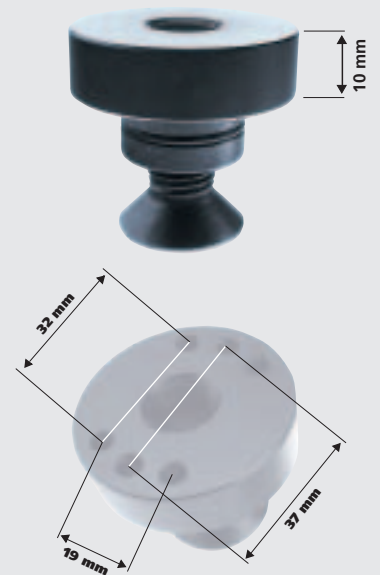
- (scope of supply - without Universal Stop)
- suitable for all 16 mm drilled holes
 - with O-ring
 - Adapter bronzed



article no. 160710

Connecting rod clamp with adapter

- (scope of supply - without Universal Stop)
- suitable for all 16 mm drilled holes
 - with O-ring
 - Adapter bronzed



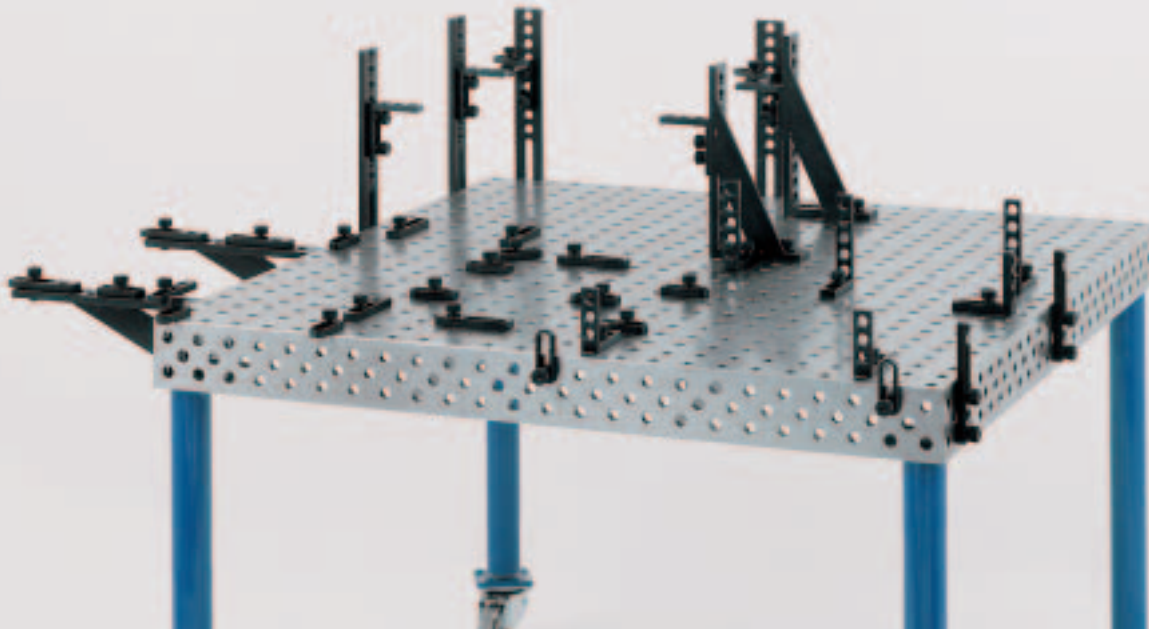
article no.

Adapter

- Ø 48 mm
- for all 16 mm drilled holes
 - with O-ring
 - bronzed
 - blank **160720**
 - for fast tensioner **160715**



1



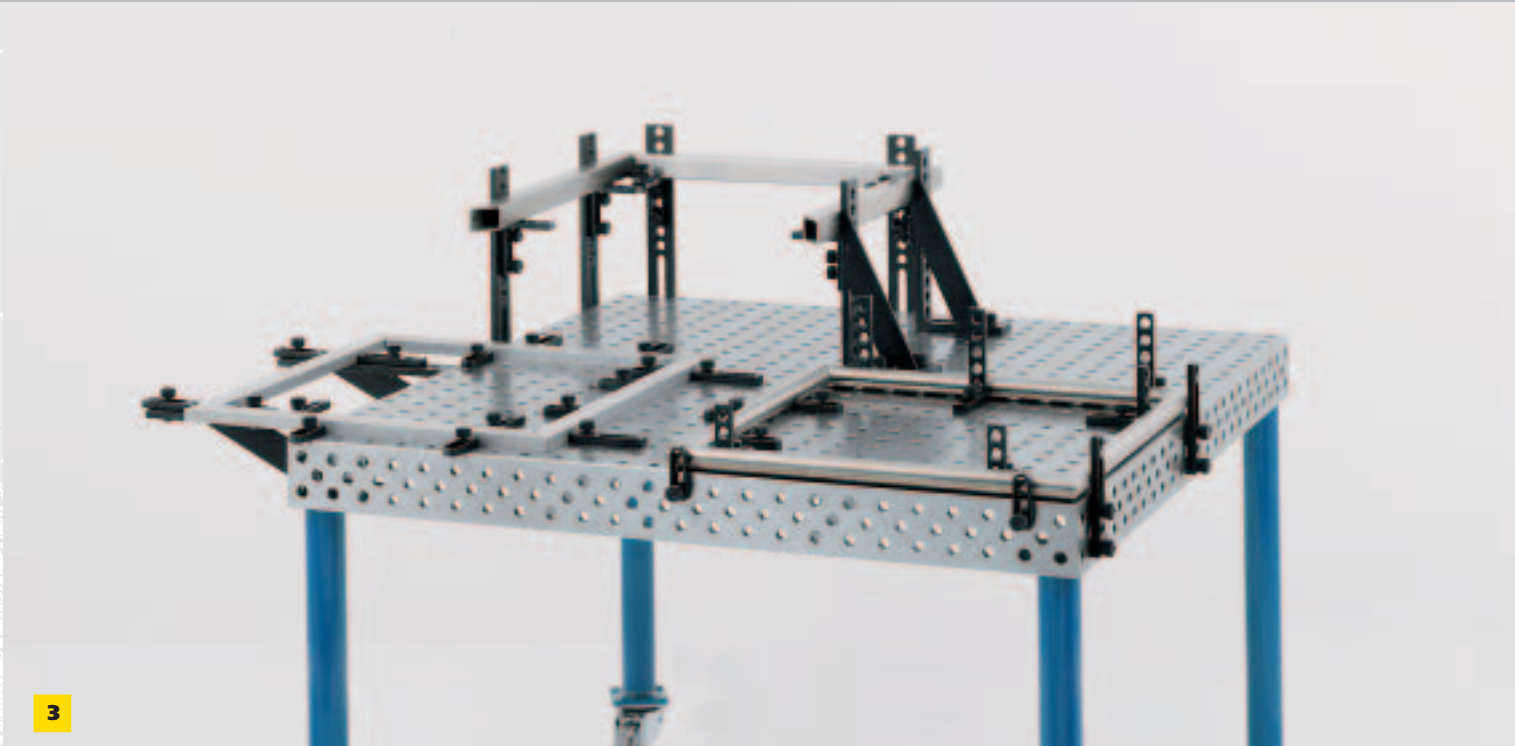
2

1

Place the prototype or part of a previous series on the bench and position the stops as desired, giving the desired play or create it on the basis of the prototype drawing, by using the S4-System

2

Remove the prototype and your set-up is ready (approx. 10 minutes).
Spray bench and device with S4-Antistick. (dries out after a few minutes)
Taking a photo for documentation is useful.



3

4

Cut parts layed together. If needed, the parts you want to weld has to have a distance between the bench and the part.
Parts which had been sprayed by antistick-liquid and to be cleaned, then finally lacquered.

Clamp, tack and remove
(if necessary, ready-weld clamped part)
and insert the next part.



Accessories



Keeping order in half the job!

**Well sorted and quickly at
hand - saves nerves and time
for searching.**

**Your entire tool set has room
on our trolley.**

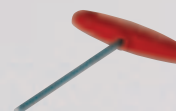
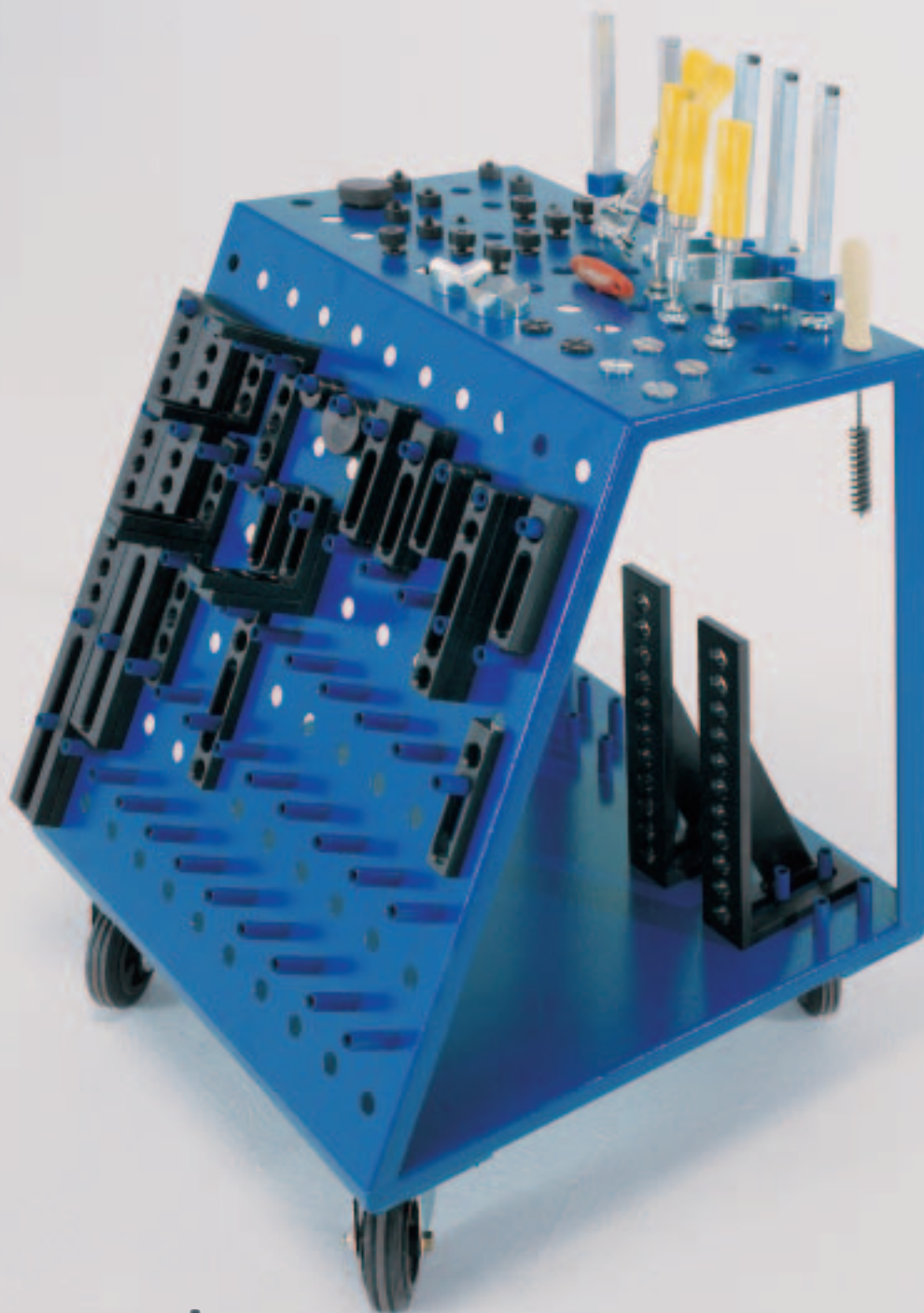
Your service mobile!



This is how you can save your tools to damages

article no. 160910

Tool Trolley
560 x 560 x 690 mm
- weight: 28 kg



article no. 160840

**Allen Key
Handwheel 24**

Ø 24 mm
- 4 mm Allen key
- suitable for clamping
bolts and strew clamp

article no. 160850

**Allen Key
Handwheel 48**

Ø 48 mm
- 4 mm Allen key
- suitable for clamping
bolts and strew clamp

article no. 160820

Brush

Ø 18 mm
- for the cleaning of
16 mm drilled holes

article no. 160852

Allen Key 4

- 4 mm Allen key
- suitable for clamping
bolts and strew clamp

article no. 280852

Allen key 6

- 6 mm Allen key
- suitable for bearing
bolts 160532 / 160533



Siegmund

The perfect completion to a welding bench!

Antistick

Give your welding bench
a longer life.

S4 Antistick works through
creating a light metal dividing
face and prevents the sticking of
welding sparks from steel.
Compare the effect with normal
welding dividing anti stick sprays!



article no. 000924

S4 Anti-stick liquid 1 kg
Spray bottle



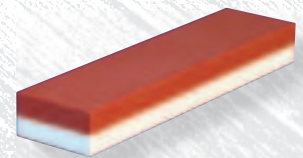
article no. 000922

S4 Anti-stick liquid 1 kg
Canister



article no.

S4 Anti-stick liquid
Canister
- 5 kg **000926**
- 33 kg **000928**



article no.

Drowstone
For the care of
welding table surfaces
200 x 50 x 25 mm **000940**
150 x 50 x 25 mm **000942**

Cleaning concentrate on request!

Sets








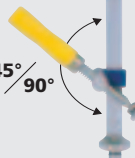


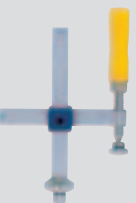
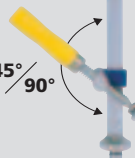


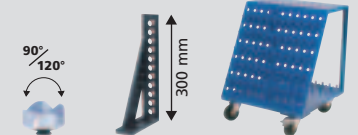


Set 1.1

Set 2.1

Set 3.1

Set 4.1

 <p>4x 160610</p>  <p>1x 160840</p> <p>12x 160520</p> <p>12x 160420</p>  <p>1x 160852</p> <p>1x 160820</p> <p>1x 0924</p>	 <p>8x 160610</p>  <p>1x 160840</p> <p>24x 160520</p> <p>12x 160420</p> <p>12x 160110</p>  <p>1x 160852</p> <p>1x 160820</p> <p>1x 0924</p>	 <p>12x 160610</p>  <p>4x 160630</p>  <p>1x 160840</p> <p>36x 160520</p> <p>24x 160420</p> <p>12x 160110</p>  <p>1x 160852</p> <p>1x 160820</p> <p>1x 0924</p>	 <p>12x 160610</p>  <p>4x 160630</p>  <p>1x 160840</p> <p>36x 160520</p> <p>24x 160420</p> <p>12x 160110</p>  <p>1x 160852</p> <p>1x 160820</p> <p>1x 0924</p>  <p>8x 160645</p> <p>4x 160160</p> <p>1x 160910</p>
<p>article no. 163100-1</p>	<p>article no. 163200-1</p>	<p>article no. 163300-1</p>	<p>article no. 163400-1</p>

All the sets also include spare parts. Articles 160520 are available in the form of high speed clamp bolts 160510 at a small additional charge.



Bernd Siegmund Gruppe

System 16 Precision-Clamping & Welding Bench

► **Manufactured by**

Bernd Siegmund GmbH
Ährenstraße 29
86845 Großaitingen
Germany
Phone: (+49) 0 82 03 / 96 07 - 0
Fax: (+49) 0 82 03 / 96 07 - 33
s4@schweisstische.com
www.schweisstische.com

► **Your distributor**

