siegmund®

WELDING AND CLAMPING SYSTEMS

CATALOGUE SUPPLEMENT
Professional 750



SYSTEM 16

SYSTEM 22

SYSTEM 28

Errors and technical improvement may change these data.



Our new table range **Professional 750**



Dear Sir or Madam,

to round the prices of our product down, we added another table-line to our product range. Besides our double-hardened tables we are now offering our Professional 750 welding tables made from specific base metal S355J2+N refined with or without plasma nitration.

The Professional 750 welding tables from Siegmund are equipped with rounded bore holes, which reduce the risk of injury and the facilitate inserting bolts and accessories in the bore holes.

As a matter of principle we recommend welding tables with plasma nitration (single surface hardening) because especially system 16 tables without plasma nitration quickly reach their limits.

Discover all about our Professional 750 range on the next few pages and find new solutions for you company.

Sincerely,

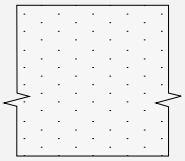
Dipl. Ing.
Bernd Siegmund



NEW

BASIC

SPECIFIC BASE MATERIAL S355J2+N



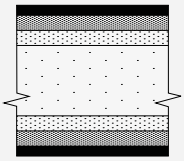
Specific base material
S355J2+N

CORE HARDNESS APPROX. 165 – 220 VICKERS



PROFESSIONAL 750 *

SPECIFIC BASE MATERIAL S355J2+N PLASMA NITRIDED, BAR-COATED



BAR-Coating
Iron nitride
Transient region

Specific base material
S355J2+N

Transient region
Iron nitride
BAR-Coating

CORE HARDNESS APPROX. 165 – 220 VICKERS



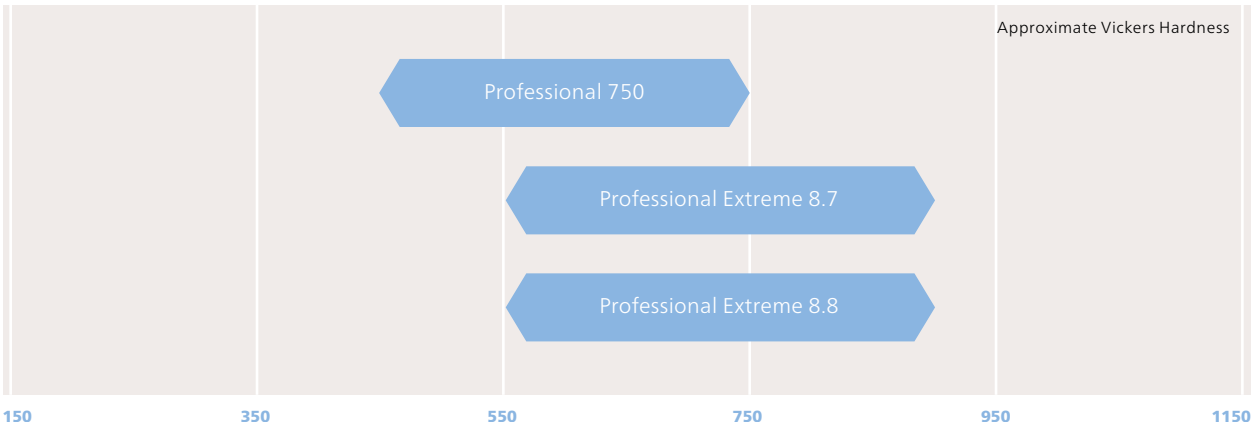
*Further development of Professional S4.

HARDNESS COMPARISON

SURFACE HARDNESS = SCRATCH RESISTANCE

An optimum surface finishing process is achieved with the plasma nitriding followed by BAR-coating:

- Scratch resistance by the surface hardening (slight differences between Professional 750, Professional Extreme 8.7 and 8.8)
- Welding spatter protection by iron nitride coating
- Improved surface finish and enhanced protection against rust and welding spatter by BAR-coating



NEW

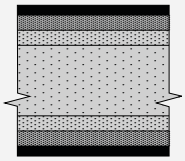
PROFESSIONAL EXTREME 8.7 *

SPECIAL ALLOY SIEGMUND X8.7
PLASMA NITRIDED, BAR-COATED

BAR-Coating
Iron nitride
Transient region

Through-hardened tool steel out off
special alloy Siegmund X8.7

Transient region
Iron nitride
BAR-Coating



CORE HARDNESS APPROX. 280 – 340 VICKERS



NEW

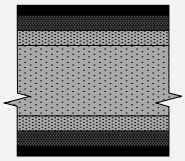
PROFESSIONAL EXTREME 8.8 *

SPECIAL ALLOY SIEGMUND X8.8
PLASMA NITRIDED, BAR-COATED

BAR-Coating
Iron nitride
Transient region

Through-hardened tool steel out off
special alloy Siegmund X8.8

Transient region
Iron nitride
BAR-Coating



CORE HARDNESS APPROX. 360 – 420 VICKERS



*Further development of Professional Extreme 750 und 850. Technical data and prices see old designation in the main catalogue.
Side surface of Professional Extreme 8.7 and 8.8 are made of specific basic material S355J2+N incl. plasma nitriding and BAR-coating.

DECISIVE FOR THE LONG-TERM QUALITY:

CORE HARDNESS = IMPACT RESISTANCE

For the hard daily use the core hardness of a welding table is of utmost importance:

- The higher the core hardness the higher the impact resistance (very large differences between Professional 750, Professional Extreme 8.7 and 8.8)
- High ground surface hardness ensures the flatness of a welding table even after years of use
- At high core hardness tolerances and geometry are better ensured long term





Some parts on the illustration are from our main catalog.

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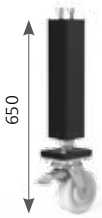
PROFESSIONAL 750

The Professional 750 table System 28 has a horizontal / vertical hole arrangement in a 100 mm grid on the table top and a parallel hole pattern in a 50 mm grid on the sides. The diameter of the bore holes is 28 mm, the thickness of the material is 24,5 – 27 mm. It is manufactured of high quality steel S355J2+N. Grid lines with a spacing of 100 mm simplify the set-up of your device. The welding tables are provided with scale as a standard.

TABLE LEGS



Leg standard equipment



Leg with Caster and Locking Brake



Leg height-adjustable

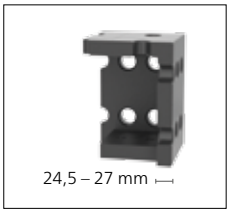


Leg height-adjustable with Caster and Locking Brake

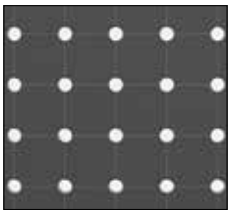


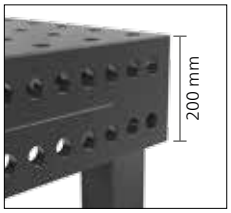
Leg with Floor Anchoring

Leg heights in mm.
The data in black print shows standard leg heights for table shown above. There is no surcharge for leg heights printed in grey, depending on leg style, and have to be specified upon ordering.

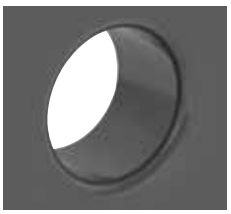
1.


2.

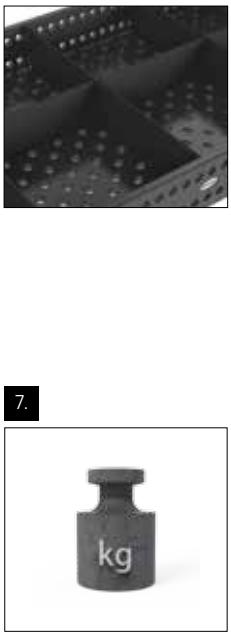

3.


4.


5.


6.


7.


8.


1. MATERIAL THICKNESS

approx. 24,5 – 27 mm

2. MATERIAL

premium steel S355J2+N
+ plasma nitration and BAR-coating

3. DATA

- Borehole spacing 100 mm
- Grid element spacing 100 mm

4. TABLE SIDE PANEL

- 200 mm high
- additional boreholes enable parallel clamping in 50 mm grid

5. ELABORATE RADIUSES

- 3 mm radius of top table edge reduces damages to Siegmund accessories and customers components
- 6 mm radius on edges reduces risk of injury

6. SYSTEM BOREHOLE

- Ø 28,15 mm

Radius R3 for boreholes on the table surface:

- reduce damages to table, Siegmund accessories and customer components
- for simple insertion of bolts and accessories
- less adherence of welding spatters on bore edges
- less damages on bore edges while moving heavy components
- large chamfer on table underside for maximum clamping force of bolts

7. TABLE LEGS

- Square pipe 90x90 mm
- Base plate Ø 90 mm
- Leg 50 mm vernier adjustment (Data only for Leg standard equipment)

8. BEARING LOAD

Bearing load: 2.000 kg per leg
Maximum recommended statistical overall weight:
with 4 legs = 4.000 kg
with 6 legs = 6.000 kg
with 8 legs = 8.000 kg
based on even load distribution.
(Data only for Leg standard equipment)

Computationally resulting in substantially higher overall loads. However, the indicated bearing loads were calculated with reserves for safety reasons.

Please consult with manufacturer if higher overall loads are required.



Picture shows table with plasmanitration.

Description:

The Professional 750 table System 28 has a horizontal / vertical hole arrangement in a 100 mm grid on the table top and a parallel hole pattern in a 50 mm grid on the sides. The diameter of the bore holes is 28 mm. The table has a material thickness of approx. 24,5-27mm and is manufactured of high-quality steel S355J2+N. Grid lines with a spacing of 100 mm simplify the set-up of your device.

The welding tables are provided with scale as a standard.

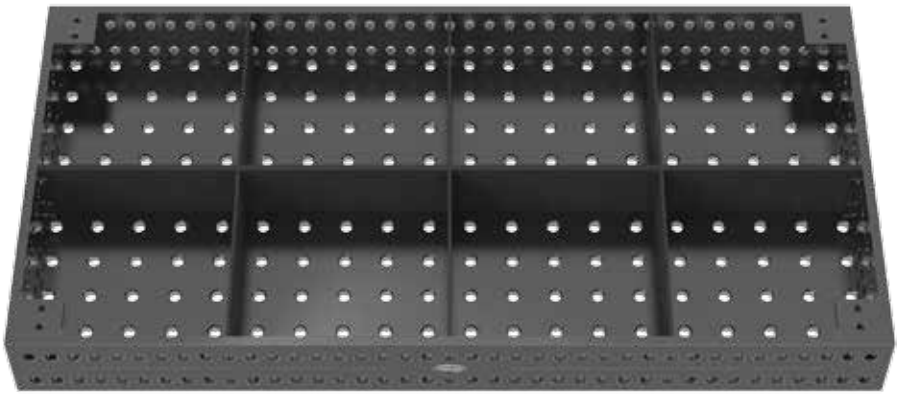




	Table legs:	Length:	Width:	Height:	Weight:	100 mm grid Steel S355J2+N	100 mm grid plasma nitration	Diagonal grid plasma nitration
Professional 750 1000x1000x200 mm with leg standard equipment 650 Table height 850	4	1000 mm	1000 mm	200 mm	approx. 415 kg	2-280010 ○	2-280010.P ●	2-280010.PD ○
Professional 750 1200x800x200 mm with leg standard equipment 650 Table height 850	4	1200 mm	800 mm	200 mm	approx. 408 kg	2-280025 ○	2-280025.P ○	2-280025.PD ○
Professional 750 1200x1200x200 mm with leg standard equipment 650 Table height 850	4	1200 mm	1200 mm	200 mm	approx. 544 kg	2-280015 ○	2-280015.P ●	2-280015.PD ○
Professional 750 1500x1000x200 mm with leg standard equipment 650 Table height 850	4	1500 mm	1000 mm	200 mm	approx. 577 kg	2-280035 ○	2-280035.P ●	2-280035.PD ○
Professional 750 1500x1500x200 mm with leg standard equipment 650 Table height 850	4	1500 mm	1500 mm	200 mm	approx. 801 kg	2-280050 ○	2-280050.P ○	2-280050.PD ○
Professional 750 2000x1000x200 mm with leg standard equipment 650 Table height 850	4	2000 mm	1000 mm	200 mm	approx. 730 kg	2-280020 ○	2-280020.P ●	2-280020.PD ○
Professional 750 2000x1200x200 mm with leg standard equipment 650 Table height 850	4	2000 mm	1200 mm	200 mm	approx. 843 kg	2-280060 ○	2-280060.P ○	2-280060.PD ○
Professional 750 2000x2000x200 mm with leg standard equipment 650 Table height 850	4	2000 mm	2000 mm	200 mm	approx. 1300 kg	2-280045 ○	2-280045.P ○	2-280045.PD ○
Professional 750 2400x1200x200 mm with leg standard equipment 650 Table height 850	4	2400 mm	1200 mm	200 mm	approx. 986 kg	2-280030 ○	2-280030.P ●	2-280030.PD ○
Professional 750 3000x1500x200 mm with leg standard equipment 650 Table height 850	6	3000 mm	1500 mm	200 mm	approx. 1518 kg	2-280040 ○	2-280040.P ●	2-280040.PD ○
Professional 750 4000x2000x200 mm with leg standard equipment 650 Table height 850	8	4000 mm	2000 mm	200 mm	approx. 2503 kg	2-280055 ○	2-280055.P ●	2-280055.PD ○

● Stock item / ○ Item is made to order

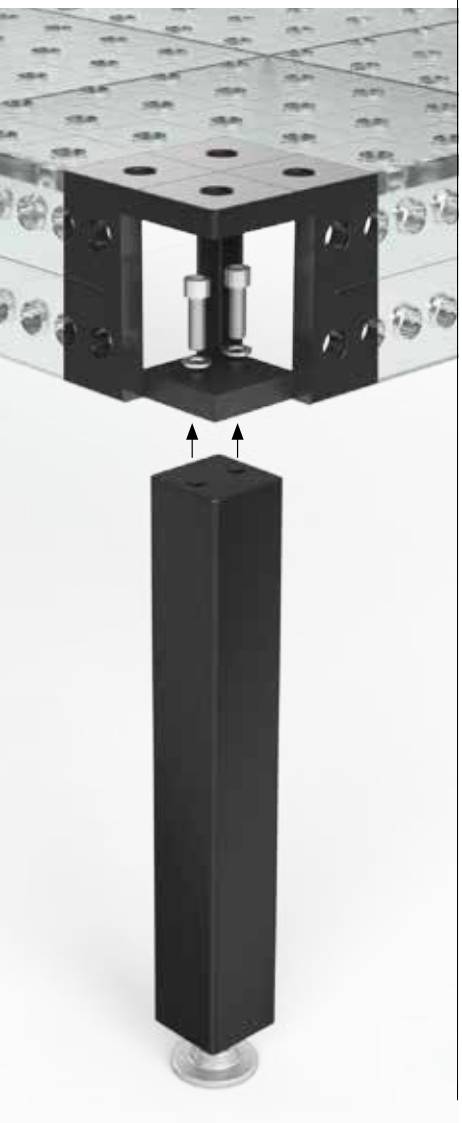
Professional 750 welding tables are not included in the main catalogue 2015/2016.

INSTALLATION
TABLE LEGS:

Per table leg two cylinder bolts with spring rings are inserted in the mounting panel. Afterwards the table leg is bolted at a torque of 150 Nm.

Screws are included in delivery.

Please follow enclosed installation instructions.



LEG STANDARD EQUIPMENT



Bearing load:
2,000 kg
per leg

280858.X



Bearing load:
2,000 kg
per leg

280857.X

LEG HEIGHT-ADJUSTABLE



Bearing load:
2,000 kg
per leg

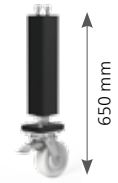
280878.X



Bearing load:
2,000 kg
per leg

280877.X

LEG WITH CASTER AND LOCKING BRAKE



Bearing load:
800 kg
per leg

280876.X

LEG HEIGHT-ADJUSTABLE WITH CASTER AND LOCKING BRAKE



Bearing load:
800 kg
per leg

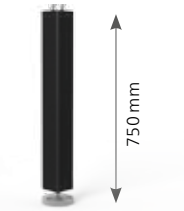
280879.X

LEG WITH FLOOR ANCHORING



Bearing load:
2,000 kg
per leg

280874.X



Bearing load:
2,000 kg
per leg

280875.X

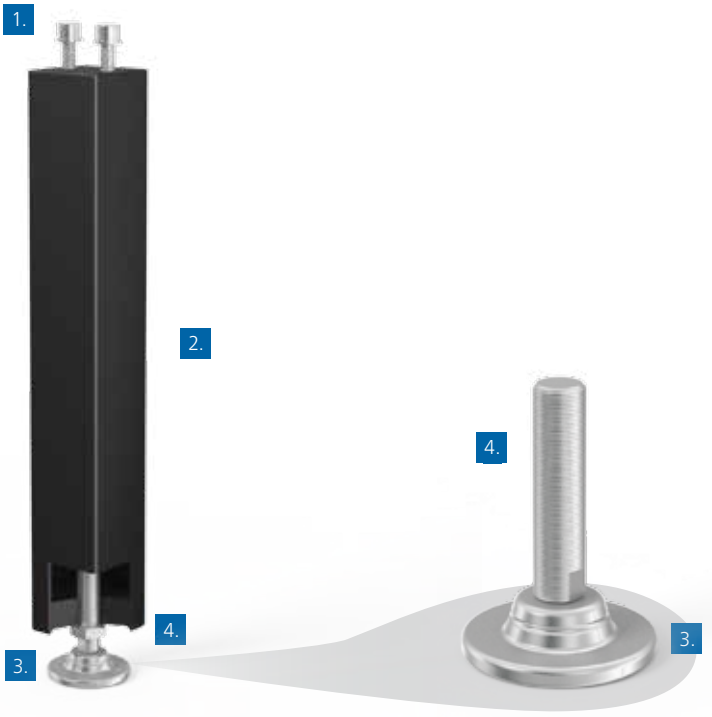


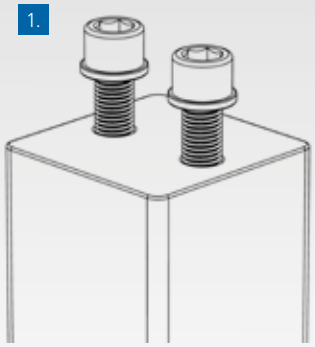
BEARING LOAD PER LEG

The maximum bearing load per leg in System 28 is max. 800 – 2.000 kg for all tables depending on the leg type.

Computationally resulting in substantially higher overall loads. However, the indicated bearing loads were calculated with reserves for safety reasons.

Please consult with manufacturer, if higher overall loads are required.





1. ALLEN SCREW

- with M16 thread
- with lockwasher for security

2. MATERIAL

- stable square pipe 90x90 mm
- for higher stability
- powder coated

3. BASE PLATE

- Ø 90 mm
- for optimum pressure distribution
- made of twisted bulk material
- for increased stability and precision

4. THREADED ARBOR

- with sturdy M24x1.5 fine thread (pitch 1.5 mm)
- 50 mm vernier adjustment
- with locknut for security





	Length:	Width:	Height: (c)	Weight:	Item No.	
Leg standard equipment 650 - 50 mm vernier adjustment - Standard-leg for Professional 750 table System 28	90 mm	90 mm	650 mm	8,50 kg	2-280858.X	●
Leg standard equipment 750 - 50 mm vernier adjustment - alternative height	90 mm	90 mm	750 mm	9,00 kg	2-280857.X	●

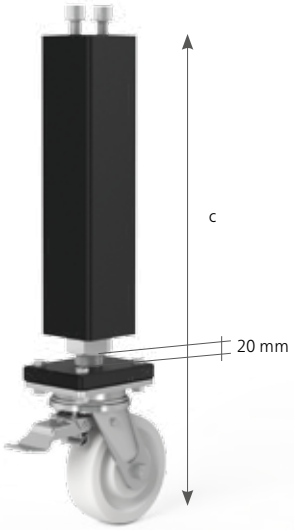
● Stock item / ○ Item is made to order

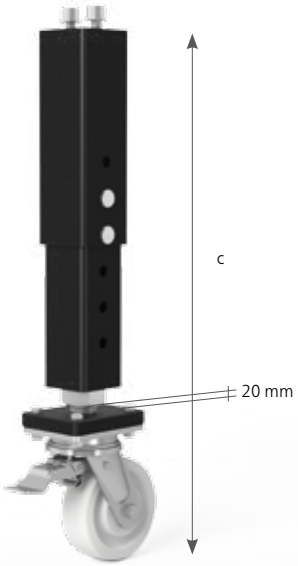




	Length:	Width:	Height: (c)	Weight:	Item No.	
Leg height-adjustable 450-700 - 50 mm vernier adjustment - table height 650-900 mm adjustable	90 mm	90 mm	450-700 mm	9,20 kg	2-280878.X	●
Leg height-adjustable 550-900 - 50 mm vernier adjustment - table height 750-1100 mm adjustable	90 mm	90 mm	550-900 mm	11,00 kg	2-280877.X	●

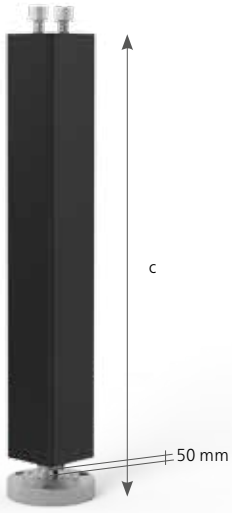
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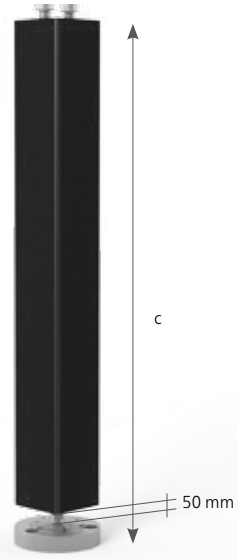




	Length:	Width:	Height: (c)	Weight:	Item No.
Leg with Caster and Locking Brake 650 - 20 mm vernier adjustment	90 mm	90 mm	650 mm	9,00 kg	2-280876.X ●
Leg height-adjustable with Caster and Locking Brake 550-750 - 20 vernier adjustment - table height 750-950 mm adjustable	90 mm	90 mm	550-750 mm	14,70 kg	2-280879.X ●

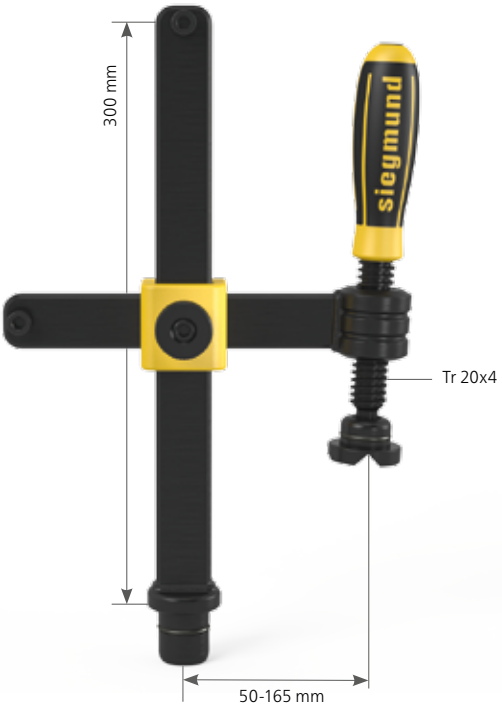
● Stock item / ○ Item is made to order





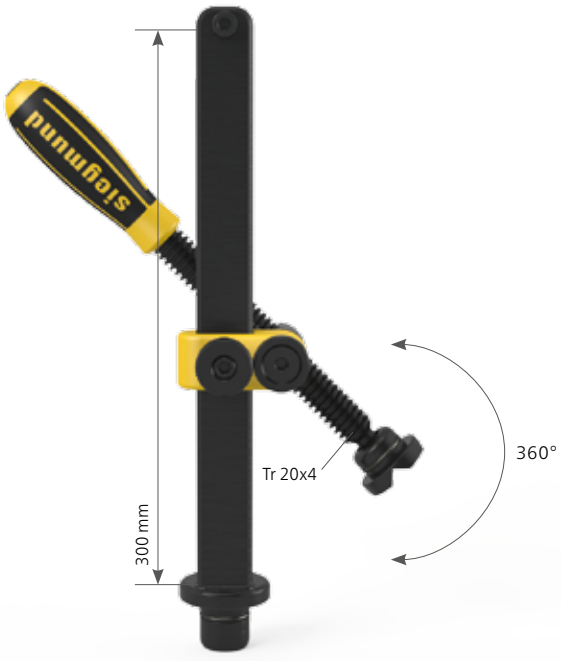
	Length:	Width:	Height: (c)	Weight:	Item No.
Leg with Floor Anchoring 650 - 50 mm vernier adjustment	90 mm	90 mm	650 mm	8,50 kg	2-280874.X ●
Leg with Floor Anchoring 750 - 50 mm vernier adjustment	90 mm	90 mm	750 mm	9,00 kg	2-280875.X ●

● Stock item / ○ Item is made to order



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

● Stock item / ○ Item is made to order



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

● Stock item / ○ Item is made to order





Some parts on the illustration are from our main catalog.

Lightning-fast and optimized

DUE TO ITS WELL-ENGINEERED MECHANISM
IT CAN BE FIXED AND RELEASED BY HAND
WITHIN SECONDS.



Lightning-fast clamping
by reinforcement

Optimized grip ergonomics:
sufficient space between grip and
workpiece enables easier handling

Optimized surface for
maximum grip

Bore hole surface
smoothed after hardening to
achieve maximum accuracy

Bolt body
manufactured of hardened, high-alloyed
steel for maximum strength

No O-ring required due to minimized internal
friction. As a result no more frozen dirty bore
holes. If needed an O-ring can be applied

Reinforcement
minimized internal friction as a result of
4 balls, based on the toggle principle.
Oftentimes manual clamping is possible

Ø 12,7 mm balls;
large contact surface center of
pressure relocated outwards

Optimized load distribution support
based on only 3 balls according
to the trihedral principle. No O-ring
required to keep balls in place!

Chamfer
enables clamping crosswise

Patented mechanism
for cleaning and replacing balls



TIGHTENING TORQUE (AM)

The tightening torque is the force required to fasten the bolt using a torque wrench. In order to achieve maximum clamping force, the tightening torque should not exceed the recommended guideline. The bolt was designed to only require a low torque to reach maximum clamping force, thereby enabling simple manual clamping.

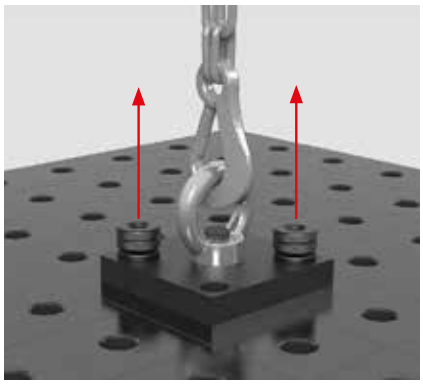
Max. AM of 280510: ≤ 25 Nm



SHEARING FORCE (SK)

The shearing force is a force which reacts laterally to the cross-sectional area of the bolt.

Max. SK of 280510: ≤ 220 kN



TENSILE FORCE (ZK)

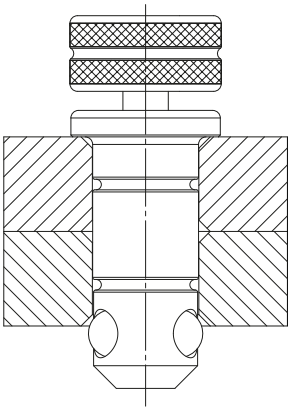
The tensile force is the force created when pulling on fixed bolts.

Max. ZK of 280510: ≤ 25 kN

reddot design award winner 2012

German Design Award SPECIAL MENTION 2014

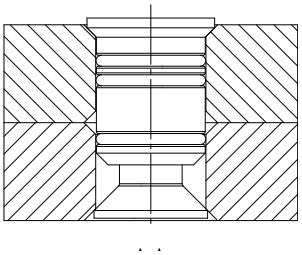




	Length:	Ø:	Weight:	SK:	AM:	ZK:	Item No.	
Fast Clamping Bolt short - for clamping 2 components - burnished	95 mm	28 mm	0,54 kg	220,00 kN	25,00 Nm	25,00 kN	2-280510	●

SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order

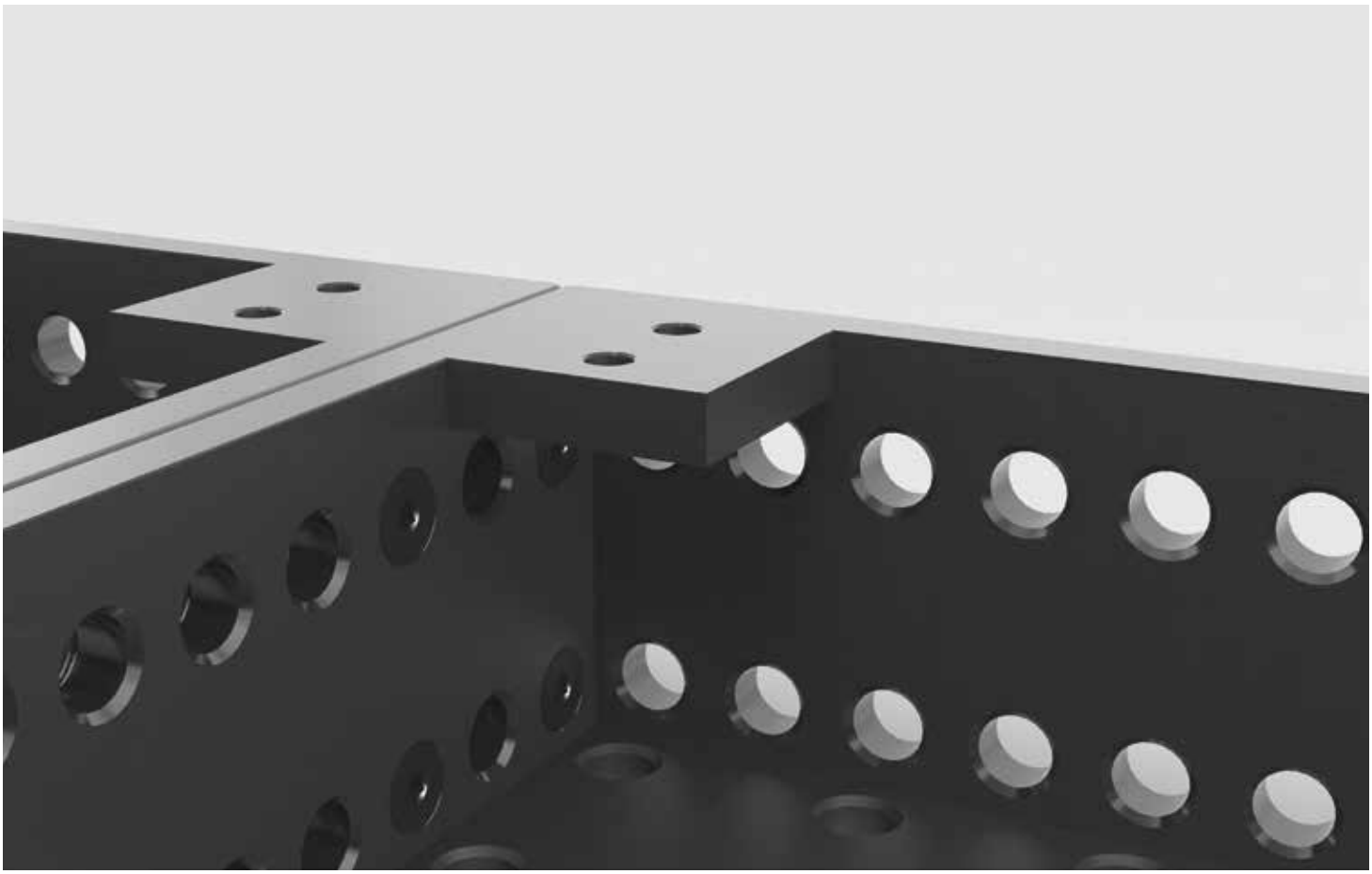




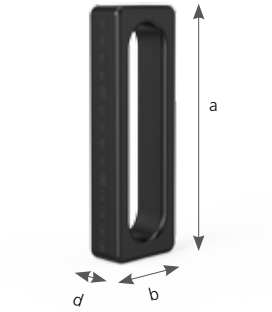
	Length:	Ø:	Weight:	SK:	AM:	ZK:	Item No.	
Connecting Bolt short - for connecting 2 components - burnished	50 mm	28 mm	0,12 kg	200,00 kN	25,00 Nm	10,00 kN	2-280560	●

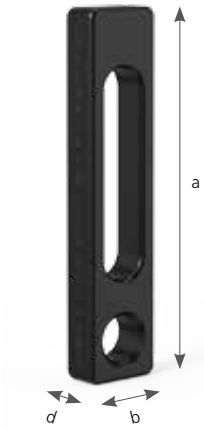
SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order

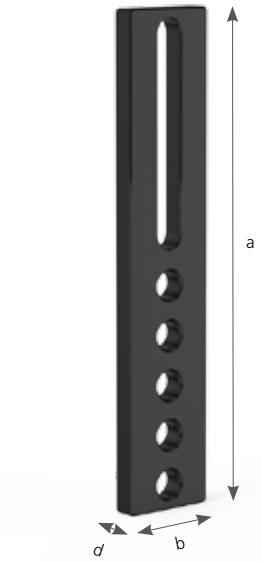




Some parts on the illustration are from our main catalog.





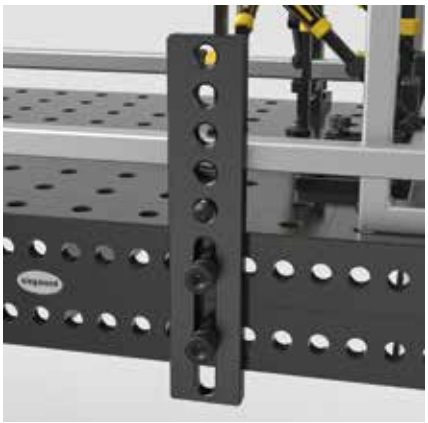


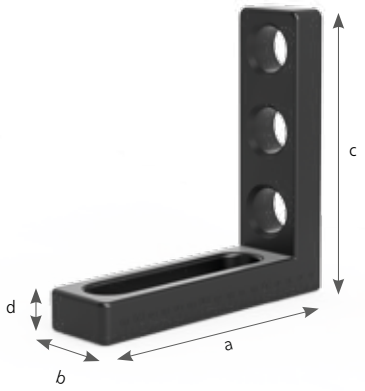
	Length: (a)	Width: (b)	MS: (d)	VB:	Weight:	Item No.	
Universal Stop 150 L - nitrided - standard with fine scaling on both sides	150 mm	50 mm	25 mm	100 mm	0,78 kg	2-280410.N	●
Universal Stop 225 L - nitrided - standard with fine scaling on both sides	225 mm	50 mm	25 mm	100 mm	1,40 kg	2-280420.N	●
Universal Stop 500 S - nitrided - 5 system bore holes	500 mm	100 mm	25 mm	200 mm	7,90 kg	2-280430.N	●

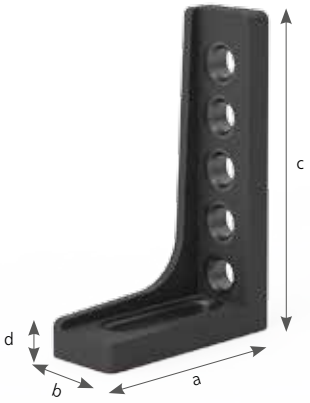
MS=Material thickness; VB=Adjusting range;
● Stock item / ○ Item is made to order









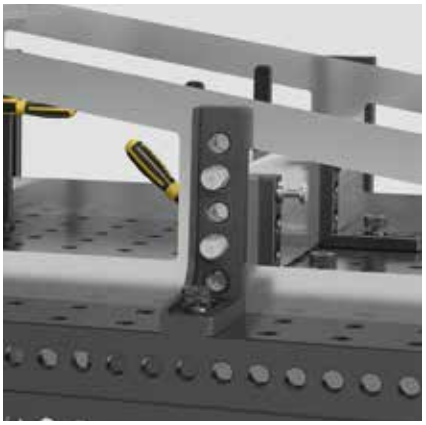


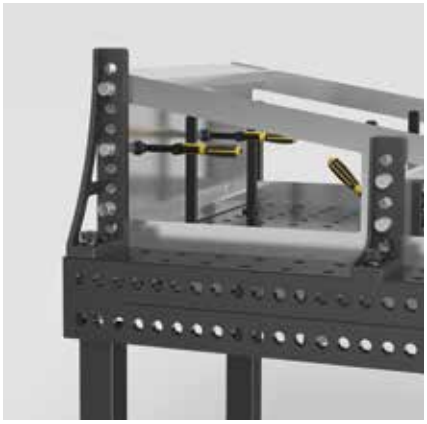


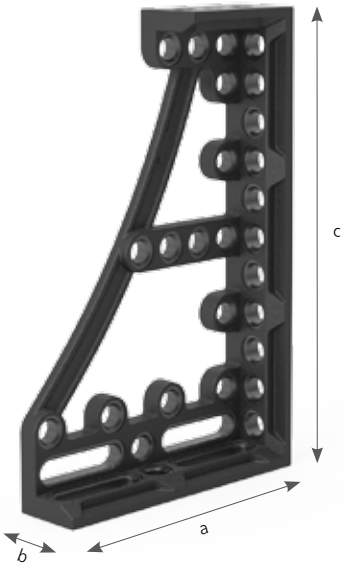
	Length: (a)	Width: (b)	Height: (c)	MS: (d)	Weight:	Item No.
Stop and Clamping Square 175 L - drill hole / oblong slot - cast iron / nitrided - standard with fine scaling on both sides	175 mm	50 mm	175 mm	25 mm	1,95 kg	2-280110.N ●
Stop and Clamping Square 300 G - stop on left - nitrided	200 mm	75 mm	300 mm	27 mm	6,00 kg	2-280152.N ●
Stop and Clamping Square 500 G - stop on left - nitrided	200 mm	75 mm	500 mm	27 mm	9,40 kg	2-280162.N ●

MS=Material thickness;
● Stock item / ○ Item is made to order













280134.N



280136.N



280144.N



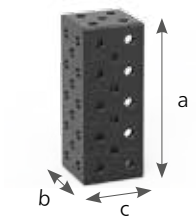
280146.N

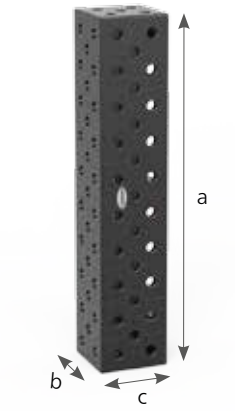
	Length: (a)	Width: (b)	Height: (c)	MS:	Weight:	Item No.
Stop and Clamping Square 600 GK - stop on left - nitrided - standard with fine scaling on both sides	376 mm	95 mm	600 mm	approx. 27 mm	22,50 kg	2-280134.N ●
Stop and Clamping Square 600 GK - stop on right - nitrided - standard with fine scaling on both sides	376 mm	95 mm	600 mm	approx. 27 mm	22,50 kg	2-280136.N ●
Stop and Clamping Square 800 GK - stop on left - nitrided - standard with fine scaling on both sides	376 mm	95 mm	800 mm	approx. 27 mm	27,00 kg	2-280144.N ●
Stop and Clamping Square 800 GK - stop on right - nitrided - standard with fine scaling on both sides	376 mm	95 mm	800 mm	approx. 27 mm	27,00 kg	2-280146.N ●

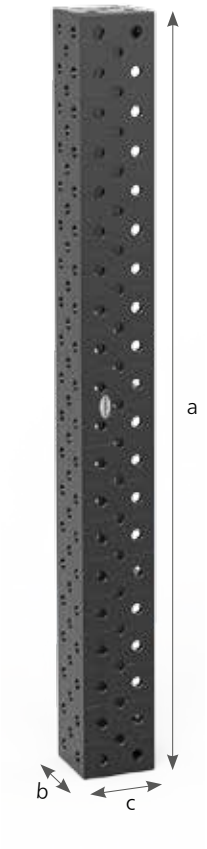
MS=Material thickness;
● Stock item / ○ Item is made to order



Some parts on the illustration are from our main catalog.





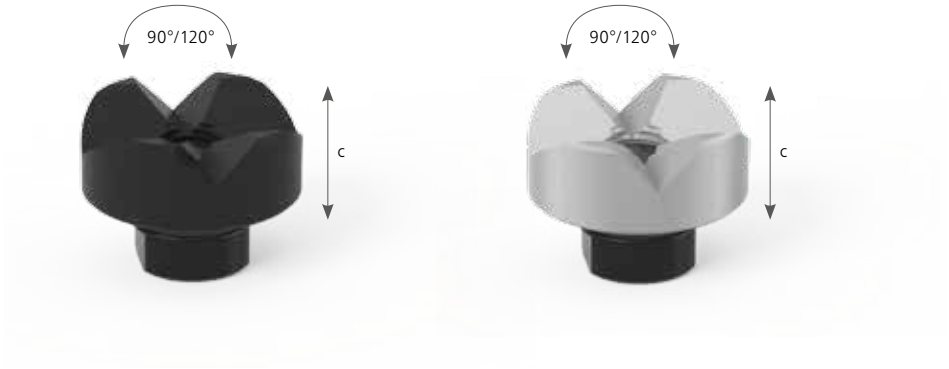


	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Square U-Shape 500x200x200 Plasma nitrided	500 mm	200 mm	200 mm	approx. 68 kg	2-280360.P ●
Square U-Shape 1000x200x200 Plasma nitrided	1000 mm	200 mm	200 mm	approx. 130 kg	2-280370.P ●
Square U-Shape 2000x200x200 Plasma nitrided	2000 mm	200 mm	200 mm	approx. 245 kg	2-280390.P ●

● Stock item / ○ Item is made to order

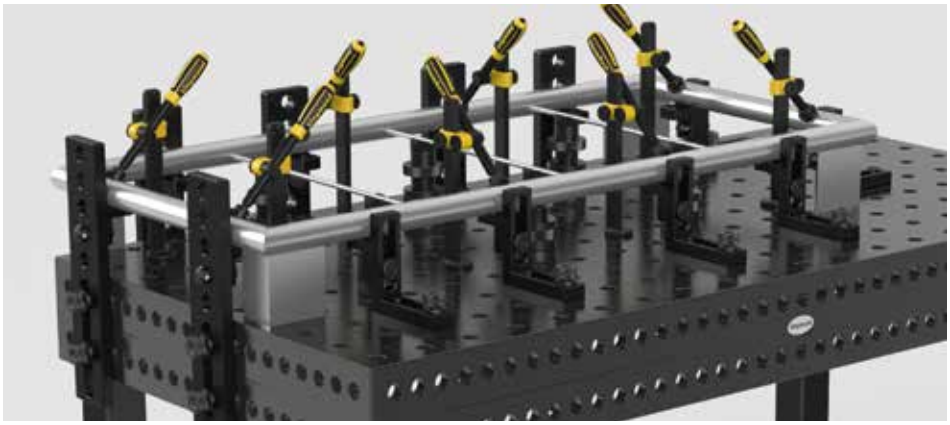


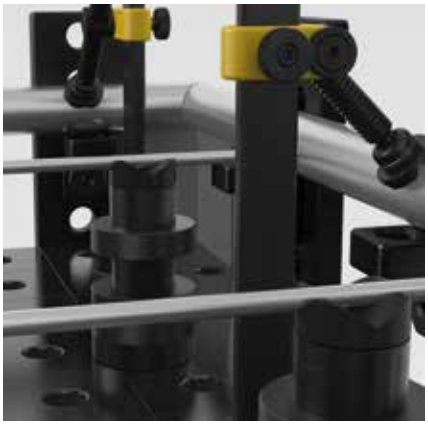
Some parts on the illustration are from our main catalog.

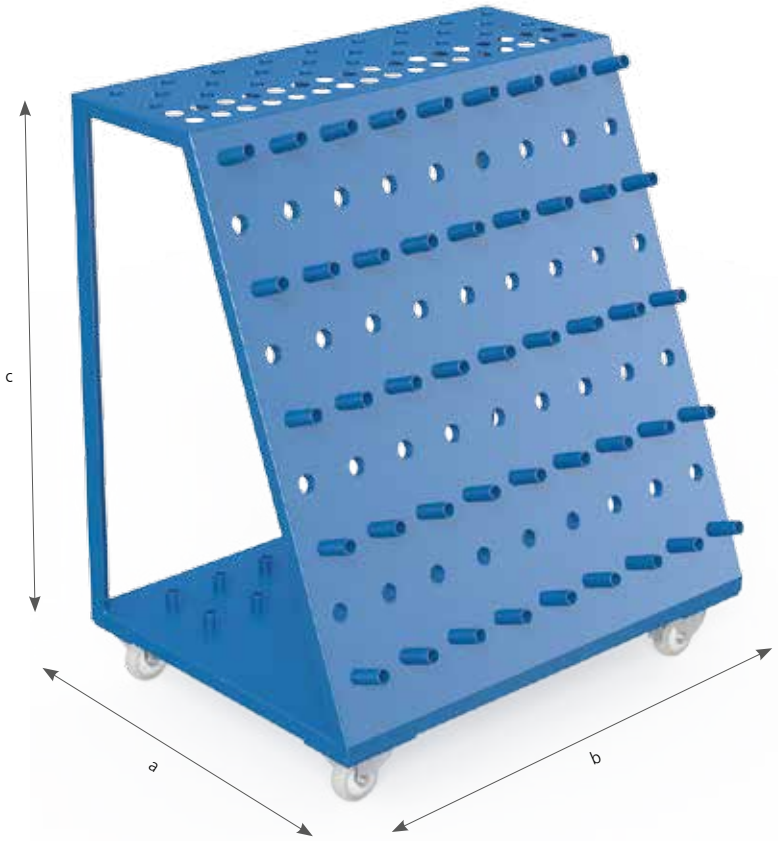


	Height: (c)	Ø:	Weight:	Item No.	
Vario Prism Ø 50 90° / 120° with screwed-in collar - burnished - M16 thread	20 mm	50 mm	0,20 kg	2-280645.1	●
Vario Prism Ø 50 90° / 120° with screwed-in collar - aluminum - M16 thread	20 mm	50 mm	0,07 kg	2-280645.1.A	●

● Stock item / ○ Item is made to order

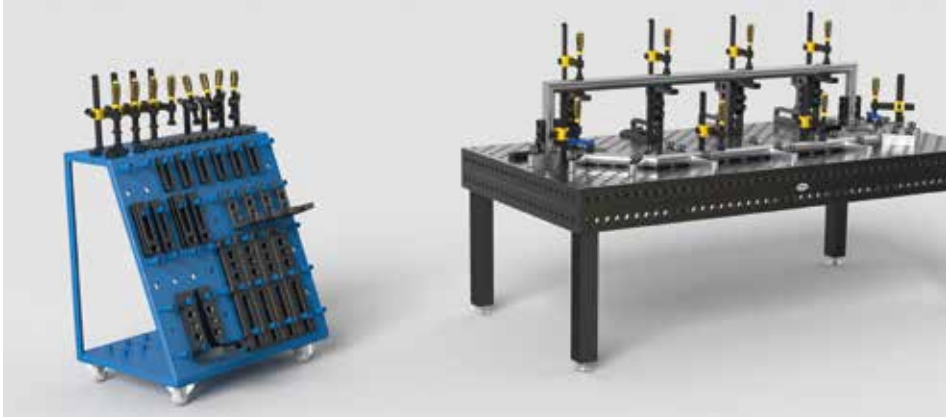






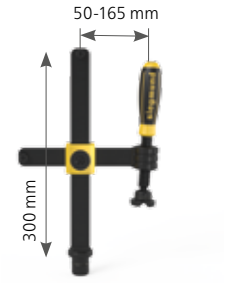
	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Tool Cart - varnished	660 mm	900 mm	1040 mm	50,00 kg	2-280910 ●

● Stock item / ○ Item is made to order

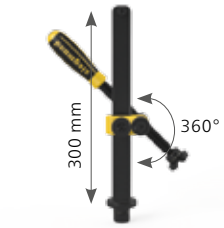




2-283100



Clamp
burnished
280610
4 x



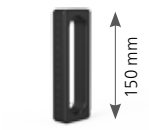
Clamp
burnished
280630
2 x



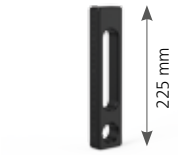
Prism
burnished
280648.1
2 x



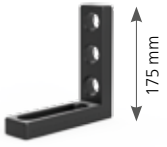
Bolt
burnished
280510
12 x



Stop
nitrided
280410.N
4 x



Stop
nitrided
280420.N
4 x



Square
nitrided
280110.N
2 x



Square
nitrided
280152.N
2 x



Eccentric Stop
burnished
280402
1 x



Allen Wrench
280852.1
1 x



Brush
280820
1 x



Oilstone
000940
1 x



CleanBasic
000911
1 x

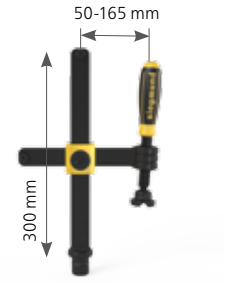


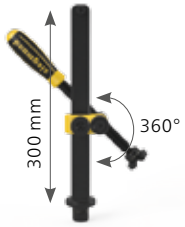
Anti-Spatter
000921
1 x



Burner Holder
burnished
280920
1 x

2-283200



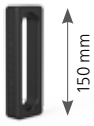




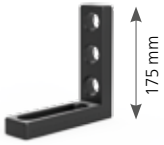




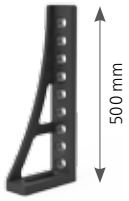
Clamp	Clamp	Prism	Bolt	Magnetic Bolt
burnished	burnished	burnished	burnished	Aluminium
280610	280630	280648.1	280510	280740
6 x	**4 x**	**4 x**	**18 x**	**4 x**











Stop	Stop	Square	Square	Square
nitrided	nitrided	nitrided	nitrided	nitrided
280410.N	280420.N	280110.N	280152.N	280162.N
6 x	**6 x**	**4 x**	**2 x**	**2 x**











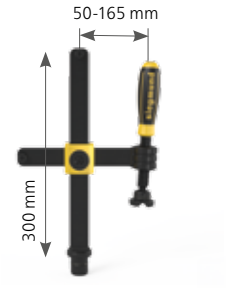




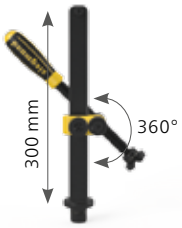
Eccentric Stop	Allen Wrench	Brush	Oilstone	CleanBasic	Anti-Spatter	Burner Holder
burnished						burnished
280402	280852.1	280820	000940	000911	000921	280920
1 x	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**

Some parts on the illustration are from our main catalog.

2-283300



Clamp
burnished
280610
10 x



Clamp
burnished
280630
6 x



Prism
burnished
280648.1
4 x



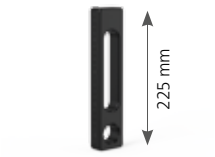
Bolt
burnished
280510
24 x



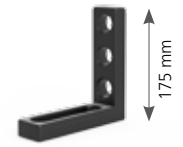
Magnetic Bolt
Aluminium
280740
4 x



Stop
nitrided
280410.N
8 x



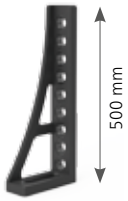
Stop
nitrided
280420.N
8 x



Square
nitrided
280110.N
6 x



Square
nitrided
280152.N
2 x



Square
nitrided
280162.N
2 x



Square
nitrided
280166+67.N
1 x + 1 x



Eccentric Stop
burnished
280402
1 x



Allen Wrench
280852.1
1 x



Brush
280820
1 x



Oilstone
000940
1 x



CleanBasic
000911
1 x



Anti-Spatter
000921
1 x

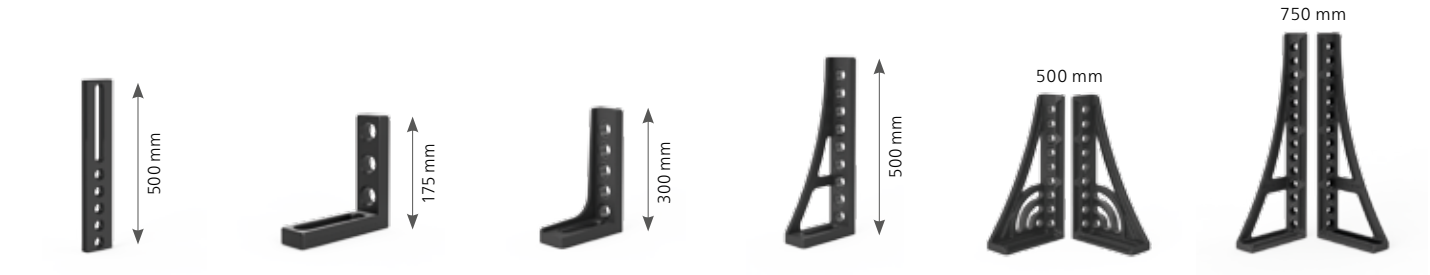


Burner Holder
burnished
280920
1 x

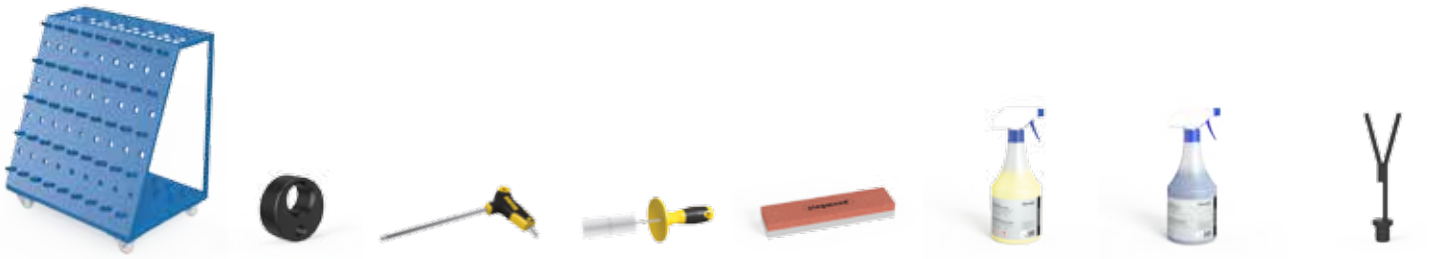
2-283400



Clamp	Clamp	Prism	Bolt	Magnetic Bolt	Stop	Stop
burnished	burnished	burnished	burnished	Aluminium	nitrided	nitrided
280610	280630	280648.1	280510	280740	280410.N	280420.N
14 x	**10 x**	**6 x**	**30 x**	**8 x**	**10 x**	**10 x**



Stop	Square	Square	Square	Square	Square
nitrided	nitrided	nitrided	nitrided	nitrided	nitrided
280430.N	280110.N	280152.N	280162.N	280164+65.N	280166+67.N
4 x	**8 x**	**2 x**	**2 x**	**1 x + 1 x**	**1 x + 1 x**

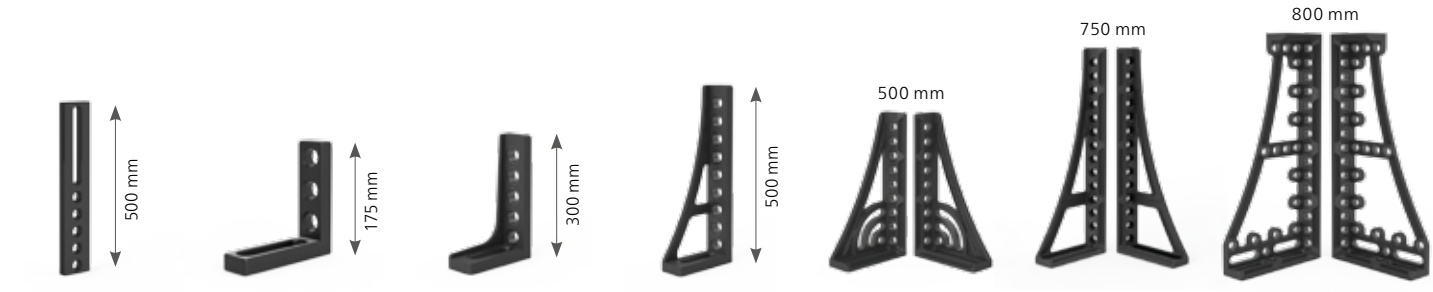


Tool Cart	Eccentric Stop	Allen Wrench	Brush	Oilstone	CleanBasic	Anti-Spatter	Burner Holder
	burnished						burnished
280910	280402	280852.1	280820	000940	000911	000921	280920
1 x	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**

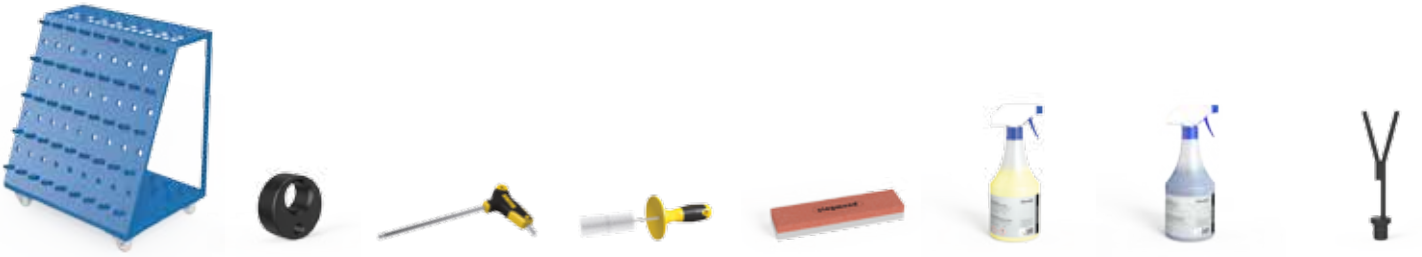
2-283500



Clamp	Clamp	Prism	Bolt	Magnetic Bolt	Stop	Stop
burnished	burnished	burnished	burnished	Aluminium	nitrided	nitrided
280610	280630	280648.1	280510	280740	280410.N	280420.N
14 x	**10 x**	**8 x**	**36 x**	**8 x**	**12 x**	**12 x**



Stop	Square	Square	Square	Square	Square	Square
nitrided	nitrided	nitrided	nitrided	nitrided	nitrided	nitrided
280430.N	280110.N	280152.N	280162.N	280164+65.N	280166+67.N	280144+46.N
4 x	**12 x**	**2 x**	**2 x**	**1 x + 1 x**	**1 x + 1 x**	**1 x + 1 x**



Tool Cart	Eccentric Stop	Allen Wrench	Brush	Oilstone	CleanBasic	Anti-Spatter	Burner Holder
	brüniert						burnished
280910	280402	280852.1	280820	000940	000911	000921	280920
1 x	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**



Some parts on the illustration are from our main catalog.



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Prism Ø 50 90°/120°	53
Sets	
Tool Cart	54
System 22 – Set 1	56
System 22 – Set 2	57
System 22 – Set 3	58



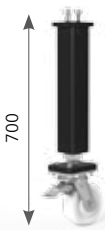
PROFESSIONAL 750

The Professional 750 table System 22 has a diagonal hole arrangement on the table top and a parallel hole pattern in a 50 mm grid on the sides. The diameter of the bore holes is 22 mm, the thickness of the material is 17 – 19 mm. It is manufactured of high quality steel S355J2+N and is also plasma-nitrided. Grid lines with a spacing of 100 mm simplify the set-up of your device. By equipping the welding tables with a diagonal grid the clamping options are nearly doubled.

TABLE LEGS



Leg standard equipment



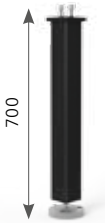
Leg with Caster and Locking Brake



Leg height-adjustable

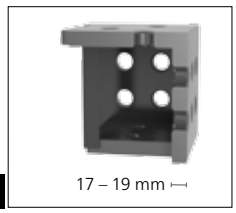


Leg height-adjustable with Caster and Locking Brake



Leg with Floor Anchoring

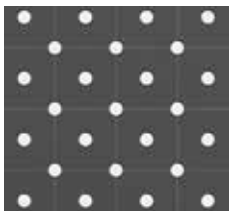
Leg heights in mm.
The data in black print shows standard leg heights for table shown above. There is no surcharge for leg heights printed in grey, depending on leg style, and have to be specified upon ordering.



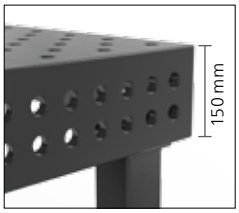
1.



2.



3.



4.



5.



6.





7.



8.

1. MATERIAL THICKNESS

approx. 17 – 19 mm

2. MATERIAL

premium steel S355J2+N
+ plasma nitration and BAR-coating

3. DATA

- Borehole surface in diagonal grid
- Grid element spacing 100 mm

4. TABLE SIDE PANEL

- 150 mm high
- additional boreholes enable parallel clamping in 50 mm grid

5. ELABORATE RADIUSES

- 3 mm radius of top table edge reduces damages to Siegmund accessories and customers components
- 6 mm radius on edges reduces risk of injury

6. SYSTEM BOREHOLE

- Ø 22 mm

Radius R2,5 for boreholes on the table surface:

- reduce damages to table, Siegmund accessories and customer components
- for simple insertion of bolts and accessories
- less adherence of welding spatters on bore edges
- less damages on bore edges while moving heavy components
- large chamfer on table underside for maximum clamping force of bolts

7. TABLE LEGS

- Square pipe 80x80 mm
- Base plate Ø 80 mm
- Leg 50 mm vernier adjustment (Data only for Leg standard equipment)

8. BEARING LOAD

Bearing load: 1.000 kg per leg
Maximum recommended statistical overall weight:
with 4 legs = 2.000 kg
with 6 legs = 3.000 kg
based on even load distribution.
(Data only for Leg standard equipment)

Computationally resulting in substantially higher overall loads. However, the indicated bearing loads were calculated with reserves for safety reasons.

Please consult with manufacturer if higher overall loads are required.

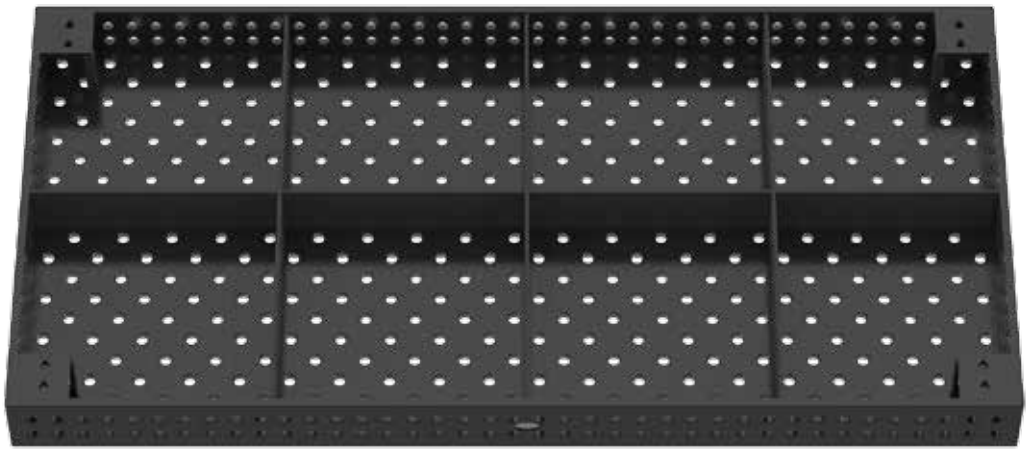


Picture shows table with plasmanitration.

Description:

The Professional 750 table System 22 has a diagonal hole arrangement on the table top and a parallel hole pattern in a 50 mm grid on the sides. The diameter of the bore holes is 22 mm. The table has a material thickness of 17 – 19 mm and is made of premium steel S355J2+N with plasmanitration. Designed with diagonal grid the clamping options of this table are almost doubled. Grid lines with a spacing of 100 mm simplify the set-up of your device.

The welding tables are provided with scale as a standard.



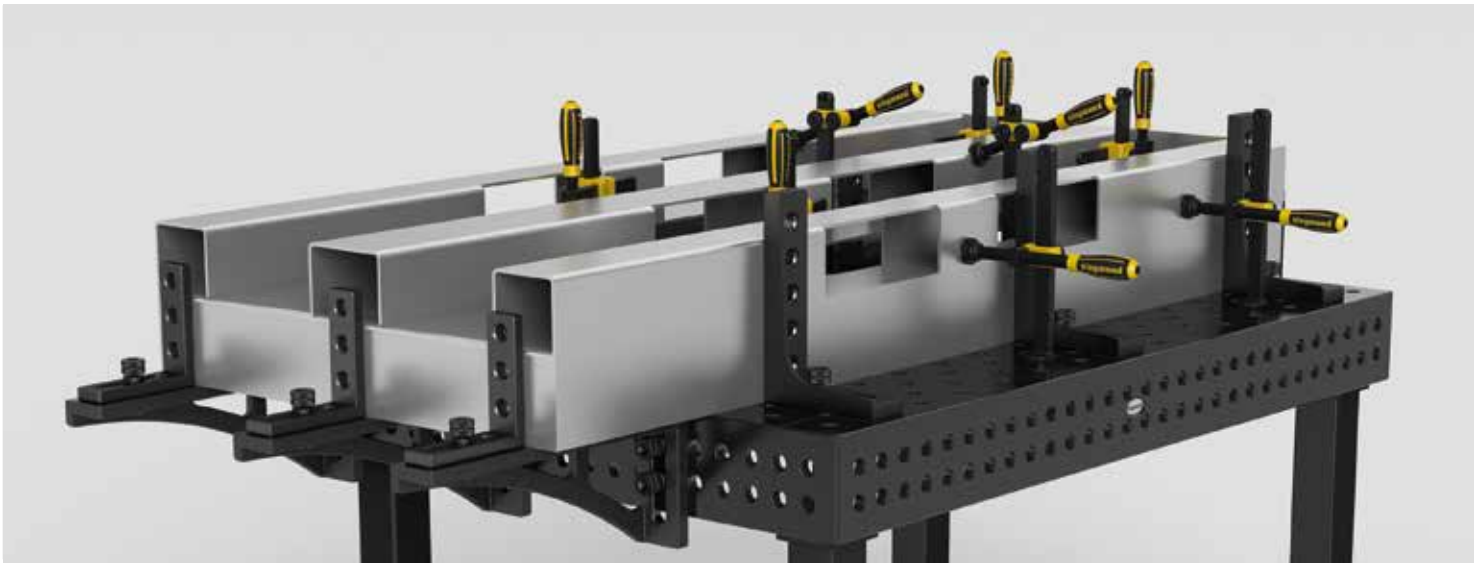


	Table legs:	Length:	Width:	Height:	Weight:	Diagonal grid Steel S355J2+N	Diagonal grid plasma nitration
Professional 750 1000x1000x150 mm with leg standard equipment 700 Table height 850	4	1000 mm	1000 mm	150 mm	approx. 298 kg	2-220010.D ○	2-220010.PD ●
Professional 750 1500x1000x150 mm with leg standard equipment 700 Table height 850	4	1500 mm	1000 mm	150 mm	approx. 414 kg	2-220035.D ○	2-220035.PD ●
Professional 750 2000x1000x150 mm with leg standard equipment 700 Table height 850	4	2000 mm	1000 mm	150 mm	approx. 521 kg	2-220020.D ○	2-220020.PD ●
Professional 750 2400x1200x150 mm with leg standard equipment 700 Table height 850	6	2400 mm	1200 mm	150 mm	approx. 729 kg	2-220030.D ○	2-220030.PD ●
Professional 750 3000x1500x150 mm with leg standard equipment 700 Table height 850	6	3000 mm	1500 mm	150 mm	approx. 1076 kg	2-220040.D ○	2-220040.PD ●

● Stock item / ○ Item is made to order

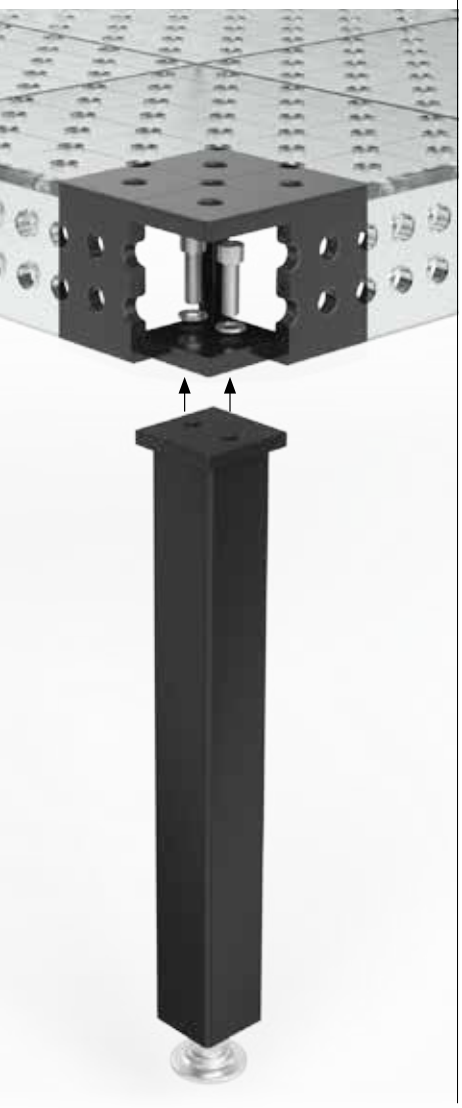
Professional 750 welding tables are not included in the main catalogue 2015/2016.

INSTALLATION
TABLE LEGS:

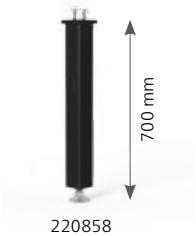
Per table leg two cylinder bolts with spring rings are inserted in the mounting panel. Afterwards the table leg is bolted at a torque of 150 Nm.

Screws are included in delivery.

Please follow enclosed installation instructions.

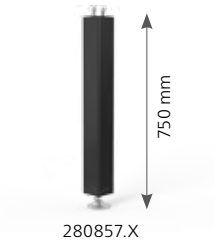


LEG STANDARD EQUIPMENT



220858

Bearing load:
1,000 kg
per leg



280857.X

Bearing load:
2,000 kg
per leg

LEG HEIGHT-ADJUSTABLE



280878.X

Bearing load:
2,000 kg
per leg



280877.X

Bearing load:
2,000 kg
per leg

LEG WITH CASTER AND LOCKING BRAKE



220866

Bearing load:
800 kg
per leg

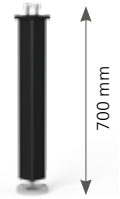
LEG HEIGHT-ADJUSTABLE WITH CASTER AND LOCKING BRAKE



280879.X

Bearing load:
800 kg
per leg

LEG WITH FLOOR ANCHORING



220874

Bearing load:
1,000 kg
per leg

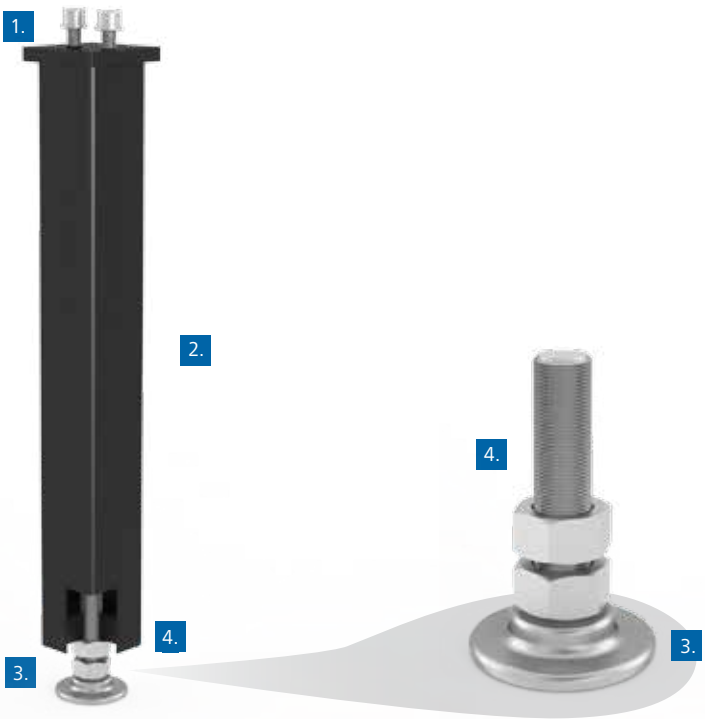


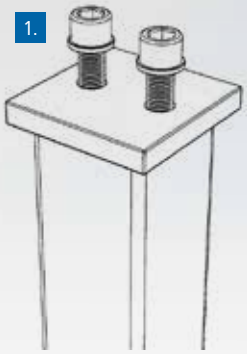
BEARING LOAD PER LEG

The maximum bearing load per leg in System 22 is max. 800 – 2.000 kg for all tables depending on the leg type.

Computationally resulting in substantially higher overall loads. However, the indicated bearing loads were calculated with reserves for safety reasons.

Please consult with manufacturer, if higher overall loads are required.





1. ALLEN SCREW

- with M16 thread
- with lockwasher for security

2. MATERIAL

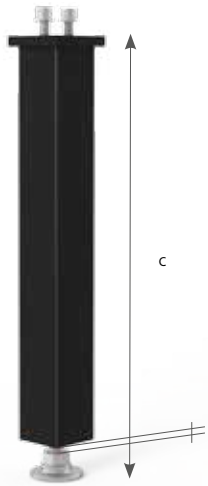
- stable square pipe 80x80 mm
- for high stability
- powder coated

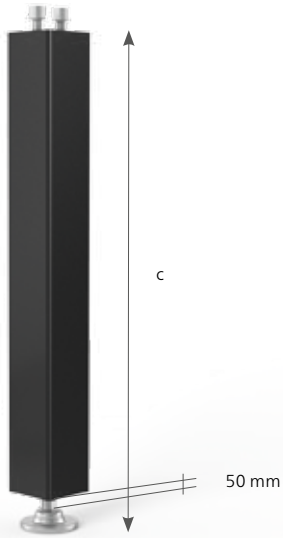
3. BASE PLATE

- Ø 80 mm
- for good pressure distribution
- sturdy construction

4. THREADED ARBOR

- with M24x1.5 fine thread (pitch 1.5 mm)
- 50 mm vernier adjustment
- with locknut for security

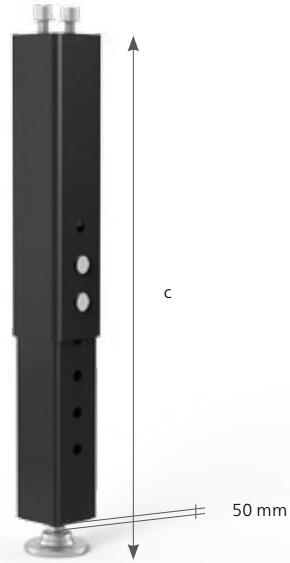




	Length:	Width:	Height: (c)	Weight:	Item No.	
Leg standard equipment 700 - 50 mm vernier adjustment - Standard-leg for Professional 750 table System 22	80 mm	80 mm	700 mm	7,50 kg	2-220858	●
Leg standard equipment 750 - 50 mm vernier adjustment - alternative height	90 mm	90 mm	750 mm	9,00 kg	2-280857.X	●

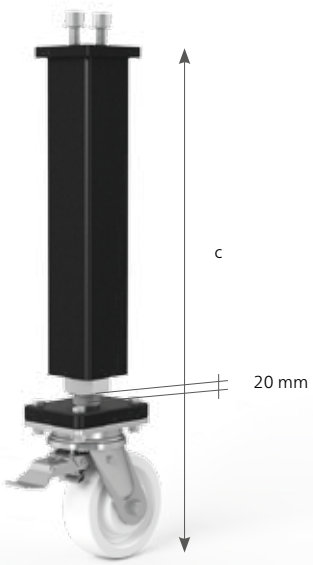
● Stock item / ○ Item is made to order

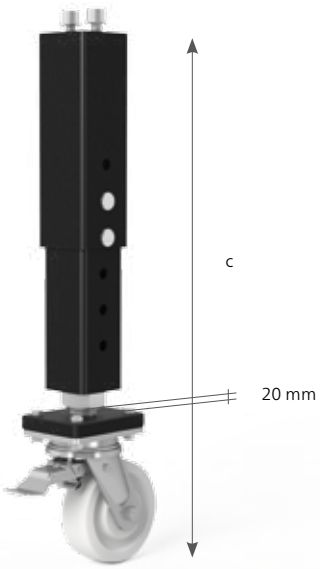




	Length:	Width:	Height: (c)	Weight:	Item No.	
Leg height-adjustable 450-700 - 50 mm vernier adjustment - table height 600-850 mm adjustable	90 mm	90 mm	450-700 mm	9,20 kg	2-280878.X	●
Leg height-adjustable 550-900 - 50 mm vernier adjustment - table height 700-1050 mm adjustable	90 mm	90 mm	550-900 mm	11,00 kg	2-280877.X	●

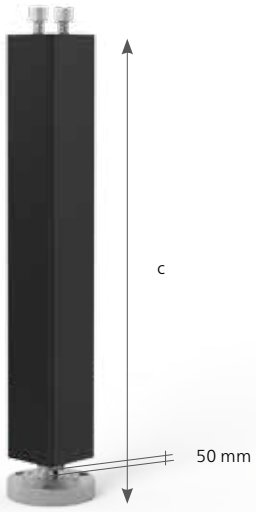
● Stock item / ○ Item is made to order





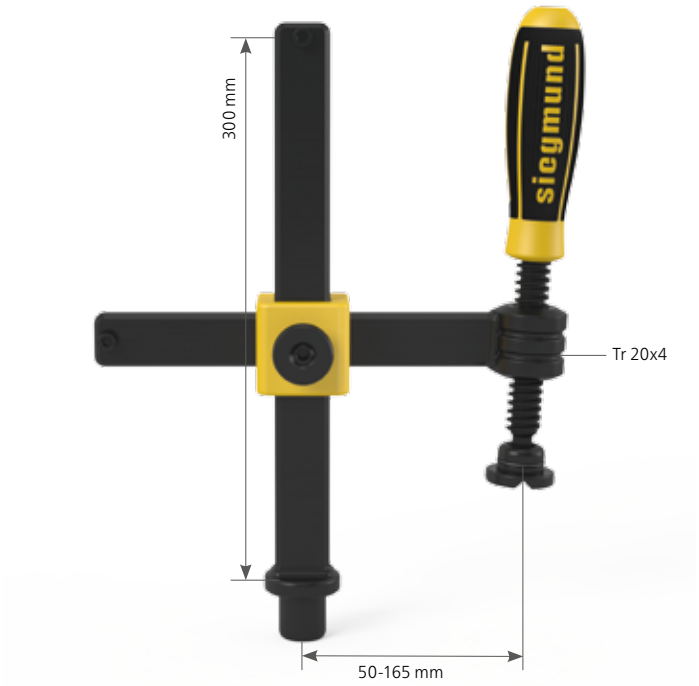
	Length:	Width:	Height: (c)	Weight:	Item No.
Leg with Caster and Locking Brake 700 - 20 mm vernier adjustment	80 mm	80 mm	700 mm	13,70 kg	2-220866 ●
Leg height-adjustable with Caster and Locking Brake 550-750 - 20 vernier adjustment - table height 700-900 mm adjustable	90 mm	90 mm	550-750 mm	14,70 kg	2-280879.X ●

● Stock item / ○ Item is made to order



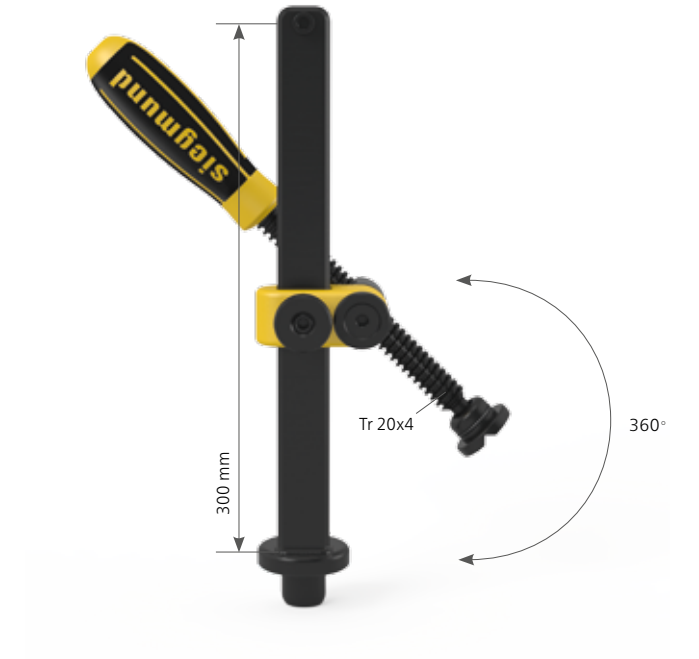
	Length:	Width:	Height: (c)	Weight:	Item No.
Leg with Floor Anchoring 700 - 50 mm vernier adjustment	80 mm	80 mm	700 mm	9,50 kg	2-220874 ●

● Stock item / ○ Item is made to order



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp	4 kN	2,70 kg	2-220610 ●

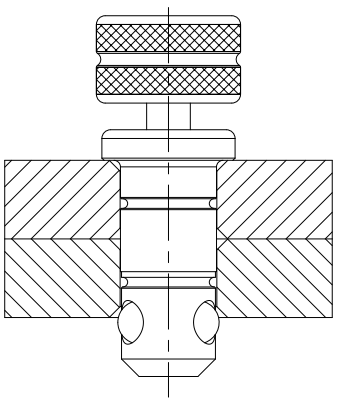
● Stock item / ○ Item is made to order



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp 45°/90°	4 kN	2,30 kg	2-220630 ●

● Stock item / ○ Item is made to order

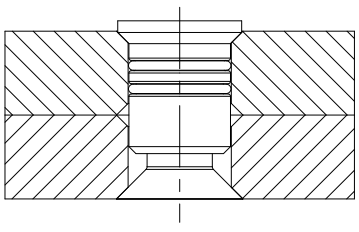




	Lenght:	Ø:	Weight:	SK:	AM:	ZK:	Item No.
Fast Clamping Bolt short - for clamping 2 components - burnished	81 mm	22 mm	0,33 kg	130,00 kN	15,00 Nm	15,00 kN	2-220510 ●

SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order

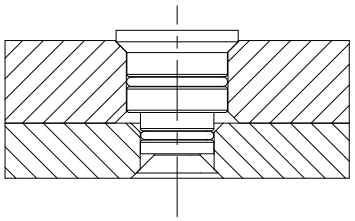




	Height:	Ø:	Weight:	SK:	AM:	ZK:	Item No.
Connecting Bolt - for connecting 2 components - burnished	38 mm	22 mm	0,11 kg	120,00 kN	15,00 Nm	6,00 kN	2-220560 ●

SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order



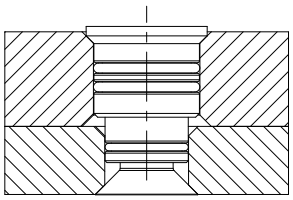


	Height:	Weight:	SK:	AM:	ZK:	Item No.
Connecting Bolt 22 –> 16 - burnished	31 mm	0,15 kg	50,00 kN	15,00 Nm	4,00 kN	2-022016 ●

SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order



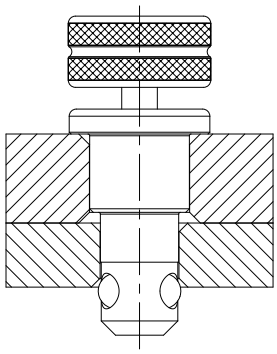




	Height:	Weight:	SK:	AM:	ZK:	Item No.
Connecting Bolt 28 –> 22 - burnished	45 mm	0,09 kg	120,00 kN	15,00 Nm	6,00 kN	2-028022 ●

SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order

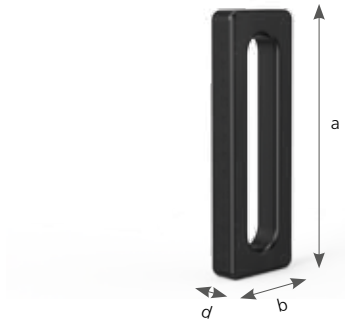


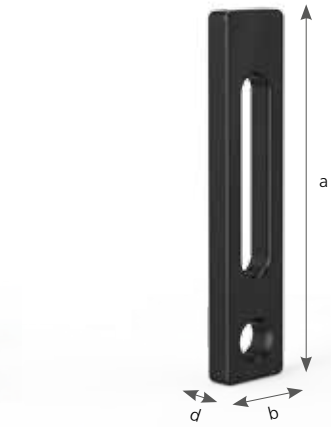


	Height:	Weight:	SK:	AM:	ZK:	Item No.
Combination Clamping Bolt 28 –> 22 short - burnished	88 mm	0,45 kg	130,00 kN	15,00 Nm	15,00 kN	2-002822 ●

SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order



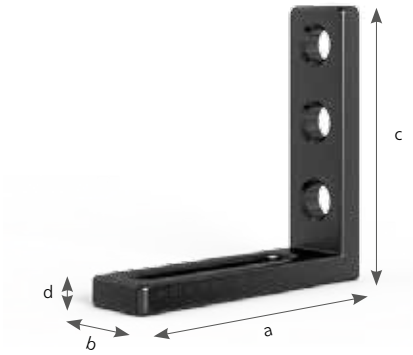




	Length: (a)	Width: (b)	MS: (d)	Weight:	Item No.
Eccentric Stop Ø 60 with M10 thread - burnished - for ground connection			18 mm	0,33 kg	2-220402 ●
Universal Stop 150 L - nitrided	150 mm	50 mm	18 mm	0,67 kg	2-220410.N ●
Universal Stop 225 L - nitrided	225 mm	50 mm	18 mm	1,13 kg	2-220420.N ●

MS=Material thickness;

● Stock item / ○ Item is made to order





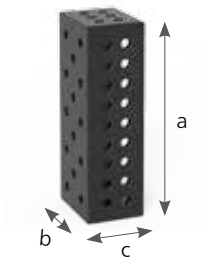


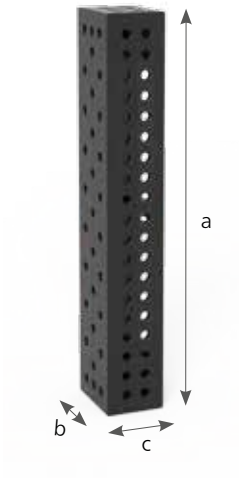
	Length: (a)	Width: (b)	Height: (c)	MS: (d)	Weight:	Item No.
Stop and Clamping Square 175 L - drill hole / oblong slot - nitrided - Standard with fine scaling on both sides	175 mm	50 mm	175 mm	18 mm	1,65 kg	2-220110.N ●
Stop and Clamping Square 300 G * - stop on left - burnished	200 mm	75 mm	300 mm	20 mm	5,15 kg	2-220152 ●
Stop and Clamping Square 500 G - stop on left - nitrided	200 mm	75 mm	500 mm	20 mm	8,10 kg	2-220162.N ●

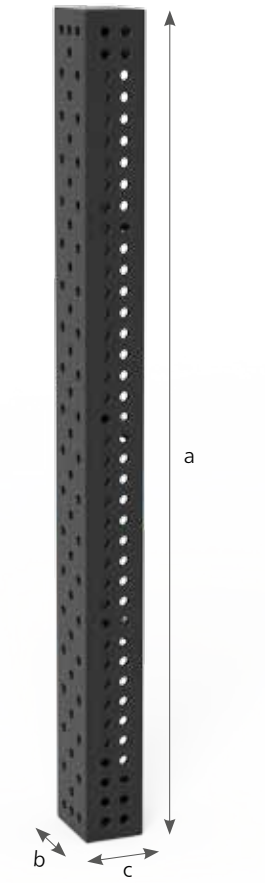
MS=Material thickness;

● Stock item / ○ Item is made to order

* We reserve the right to deliver also the nitrided version.







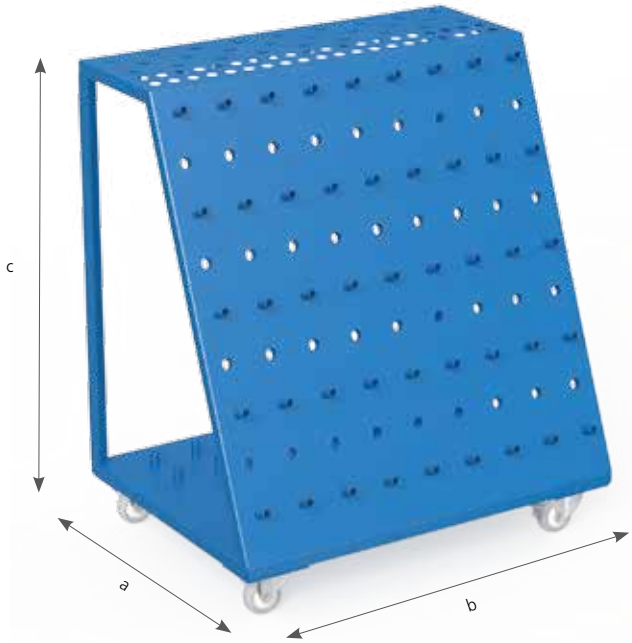
	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Square U-Shape 500x200x150 Plasma nitrided	500 mm	200 mm	150 mm	ca. 37 kg	2-220360.P ●
Square U-Shape 1000x200x150 Plasma nitrided	1000 mm	200 mm	150 mm	ca. 75 kg	2-220370.P ●
Square U-Shape 2000x200x150 Plasma nitrided	2000 mm	200 mm	150 mm	ca. 139 kg	2-220390.P ●

● Stock item / ○ Item is made to order



	Height:	Ø:	Weight:	Item No.
Vario Prism Ø 50 90° / 120° with screwed-in collar - burnished - M16 thread	20 mm	50 mm	0,30 kg	2-220645.1 ●

● Stock item / ○ Item is made to order

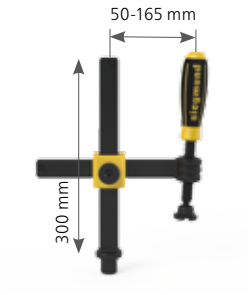


	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Tool Cart - varnished	660 mm	900 mm	1040 mm	50,00 kg	2-220910 ●

● Stock item / ○ Item is made to order



2-223100.1













Clamp	Prism	Bolt	Stop	Stop	Square
burnished	burnished	burnished	nitrided	nitrided	nitrided
220610	220645.1	220510	220410.N	220420.N	220110.N
4 x	**4 x**	**16 x**	**6 x**	**6 x**	**4 x**







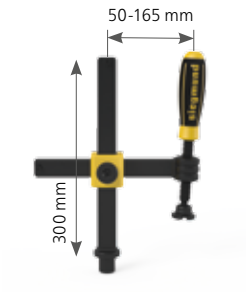




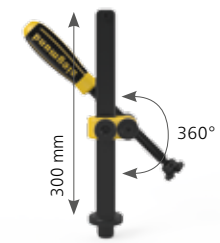


Eccentric Stop	Allen Wrench	Brush	Oilstone	Sample CleanBasic	Sample Anti-Spatter
burnished					
220402	220852	220820	000940	000911	000921
1 x	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**

2-223200.1



Clamp
burnished
220610
8 x



Clamp
burnished
220630
4 x



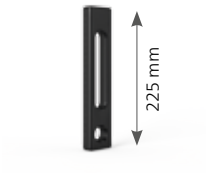
Prism
burnished
220645.1
8 x



Bolt
burnished
220510
24 x



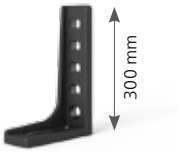
Stop
nitrided
220410.N
8 x



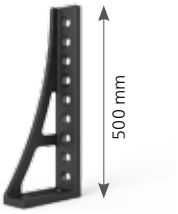
Stop
nitrided
220420.N
8 x



Square
nitrided
220110.N
8 x



Square
burnished
220152 *
2 x



Square
nitrided
220162.N
2 x



Eccentric Stop
burnished
220402
1 x



Allen Wrench
220852
1 x



Brush
220820
1 x



Oilstone
000940
1 x



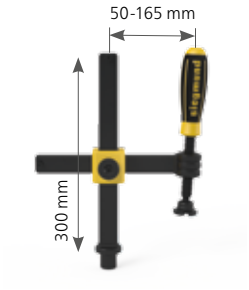
Sample CleanBasic
000911
1 x



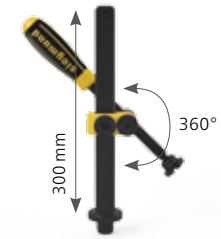
Sample Anti-Spatter
000921
1 x

* We reserve the right to deliver also the nitrided version.

2-223300.1



Clamp
burnished
220610
12 x



Clamp
burnished
220630
6 x



Prism
burnished
220645.1
8 x



Bolt
burnished
220510
36 x



Stop
nitrided
220410.N
12 x



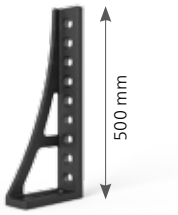
Stop
nitrided
220420.N
12 x



Square
nitrided
220110.N
12 x



Square
burnished
220152 *
4 x



Square
nitrided
220162.N
4 x



Eccentric Stop
burnished
220402
1 x



Allen Wrench
220852
1 x



Brush
220820
1 x



Oilstone
000940
1 x

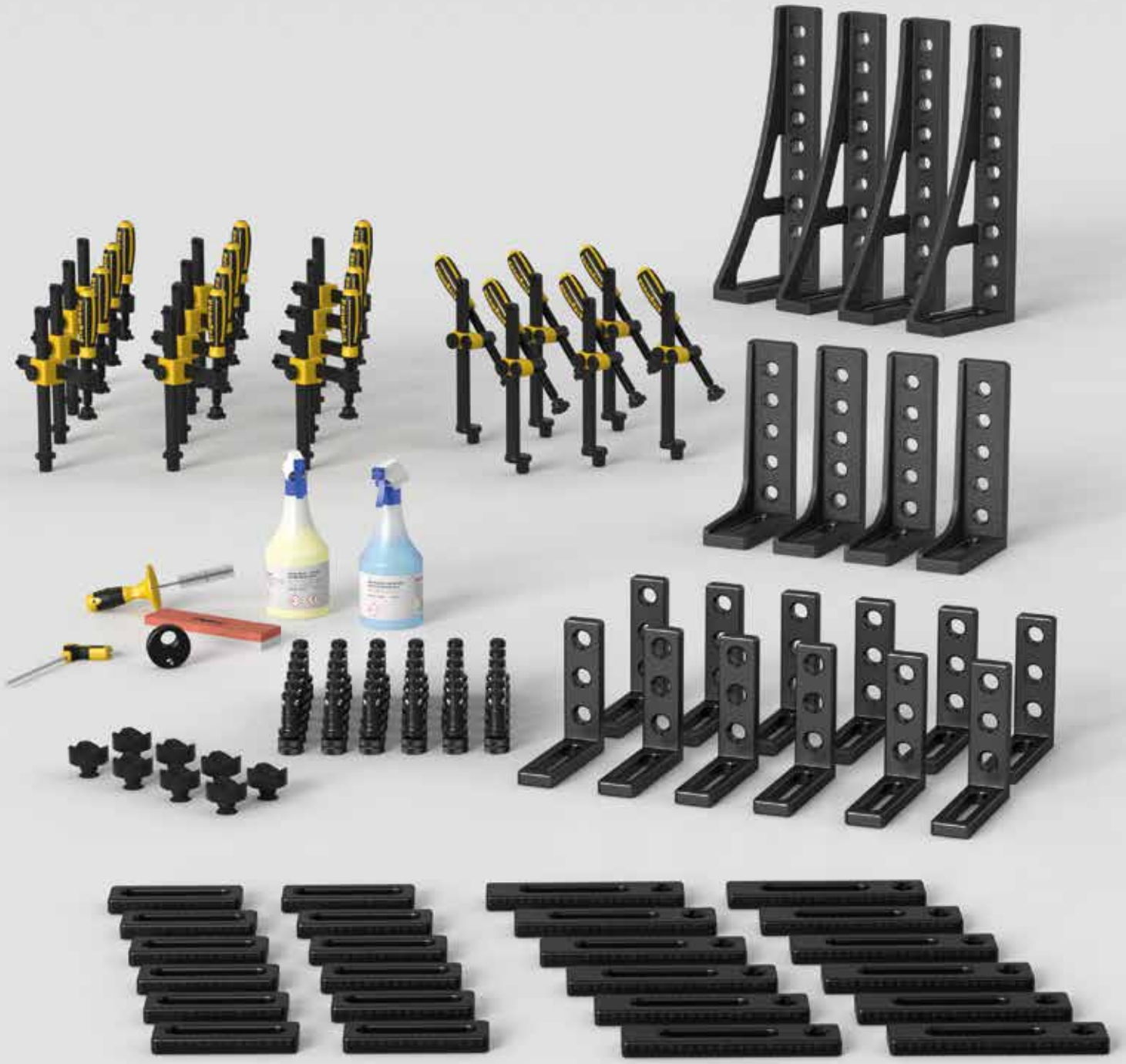


Sample CleanBasic
000911
1 x



Sample Anti-Spatter
000921
1 x

* We reserve the right to deliver also the nitrided version.





Some parts on the illustration are from our main catalog.

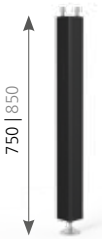
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PROFESSIONAL 750

The Professional 750 table System 16 has a horizontal / vertical hole arrangement in a 50 mm grid on the table top and a parallel hole pattern in a 25 mm grid on the sides. The diameter of the bore holes is 16 mm, the thickness of the material is 11,5 – 13 mm. It is manufactured of high quality S355J2+N. Grid lines with a spacing of 50 mm simplify the set-up of your device. The welding tables are provided with scale as a standard.

TABLE LEGS



Leg standard equipment



Leg with Caster and Locking Brake



Leg height-adjustable

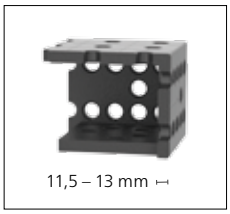


Leg height-adjustable with Caster and Locking Brake



Leg with Floor Anchoring

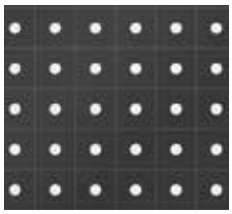
Leg heights in mm.
The data in black print shows standard leg heights for table shown above. There is no surcharge for leg heights printed in grey, depending on leg style, and have to be specified upon ordering.



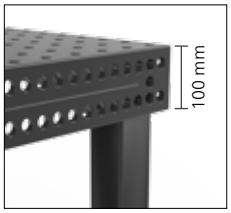
1.



2.



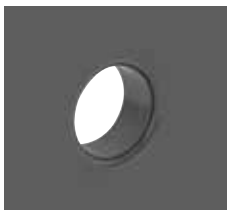
3.



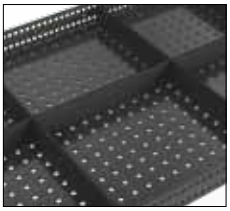
4.



5.



6.





7.



8.

1. MATERIAL THICKNESS

approx. 11,5 – 13 mm

2. MATERIAL

premium steel S355J2+N
+ plasma nitration and BAR-coating

3. DATA

- Borehole spacing 50 mm
- Grid element spacing 50 mm

4. TABLE SIDE PANEL

- 100 mm high
- additional boreholes enable parallel clamping in 25 mm grid

5. ELABORATE RADIUSES

- 3 mm radius of top table edge reduces damages to Siegmund accessories and customers components
- 6 mm radius on edges reduces risk of injury

6. SYSTEM BOREHOLE

- Ø 16 mm

Radius R2 for boreholes on the table surface:

- reduce damages to table, Siegmund accessories and customer components
- for simple insertion of bolts and accessories
- less adherence of welding spatters on bore edges
- less damages on bore edges while moving heavy components
- large chamfer on table underside for maximum clamping force of bolts

7. TABLE LEGS

- Square pipe 70x70 mm
- Base plate Ø 70 mm
- Leg 40 mm vernier adjustment (Data only for Leg standard equipment)

8. BEARING LOAD

Bearing load: 1.000 kg per leg
Maximum recommended statistical overall weight:
with 4 legs = 2.000 kg
with 6 legs = 3.000 kg
with 8 legs = 4.000 kg
based on even load distribution.
(Data only for Leg standard equipment)

Computationally resulting in substantially higher overall loads. However, the indicated bearing loads were calculated with reserves for safety reasons.

Please consult with manufacturer if higher overall loads are required.



Picture shows table with plasmanitration.

Description:

The Professional 750 table System 16 has a horizontal / vertical hole arrangement in a 50 mm grid on the table top and a parallel hole pattern in a 25 mm grid on the sides. The diameter of the bore holes is 16 mm. The table has a material thickness of approx. 11,5-13 mm and is manufactured of high-quality steel S355J2+N. Grid lines with a spacing of 50 mm simplify the set-up of your device.

The welding tables are provided with scale as a standard.

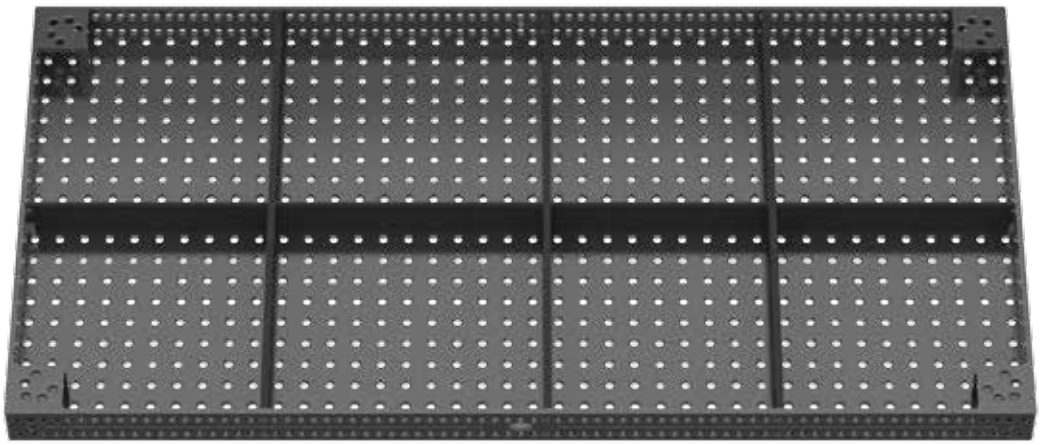




	Table Legs:	Length:	Width:	Height:	Weight:	50 mm grid Steel S355J2+N	50 mm grid plasma nitration
Professional 750 1200x800x100 mm with table leg standard equipment 750 Table height 850	4	1200 mm	800 mm	100 mm	ca. 196 kg	2-160025 ○	2-160025.P ●
Professional 750 1200x1200x100 mm with table leg standard equipment 750 Table height 850	4	1200 mm	1200 mm	100 mm	ca. 262 kg	2-160015 ○	2-160015.P ●
Professional 750 1500x1000x100 mm with table leg standard equipment 750 Table height 850	4	1500 mm	1000 mm	100 mm	ca. 282 kg	2-160035 ○	2-160035.P ●
Professional 750 1500x1500x100 mm with table leg standard equipment 750 Table height 850	4	1500 mm	1500 mm	100 mm	ca. 1297 kg	2-160050 ○	2-160050.P ●
Professional 750 2000x1000x100 mm with table leg standard equipment 750 Table height 850	4	2000 mm	1000 mm	100 mm	ca. 363 kg	2-160020 ○	2-160020.P ●
Professional 750 2000x1200x100 mm with table leg standard equipment 750 Table height 850	4	2000 mm	1200 mm	100 mm	ca. 416 kg	2-160060 ○	2-160060.P ●
Professional 750 2400x1200x100 mm with table leg standard equipment 750 Table height 850	6	2400 mm	1200 mm	100 mm	ca. 503 kg	2-160030 ○	2 -160030.P ●
Professional 750 3000x1500x100 mm * with table leg standard equipment 750 Table height 850	8	3000 mm	1500 mm	100 mm	ca. 398 kg	2-160050.2 ○	2-160050.P.2 ●

● Stock item / ○ Item is made to order

* Consisting of 2 tables 1,5 x 1,5 m incl. 6 connecting bolts.

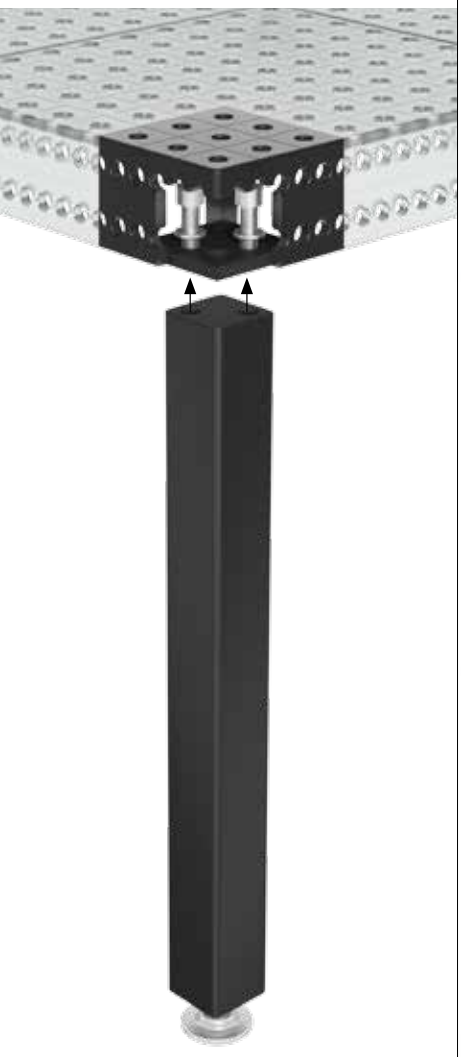
Professional 750 welding tables are not included in the main catalogue.

INSTALLATION
TABLE LEGS:

Per table leg two cylinder bolts with spring rings are inserted in the mounting panel. Afterwards the table leg is bolted at a torque of 150 Nm.

Screws are included in delivery.

Please follow enclosed installation instructions.

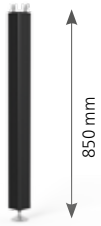


LEG STANDARD EQUIPMENT



Bearing load:
1,000 kg
per leg

160858.X



Bearing load:
1,000 kg
per leg

160857.X

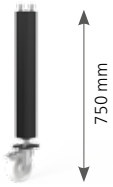
LEG HEIGHT-ADJUSTABLE



Bearing load:
1,000 kg
per leg

160877.X

LEG WITH CASTER AND LOCKING BRAKE



Bearing load:
200 kg
per leg

160876.X

LEG HEIGHT-ADJUSTABLE WITH CASTER AND LOCKING BRAKE



Bearing load:
200 kg
per leg

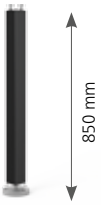
160879.X

LEG WITH FLOOR ANCHORING



Bearing load:
1,000 kg
per leg

160875.X



Bearing load:
1,000 kg
per leg

160873.X

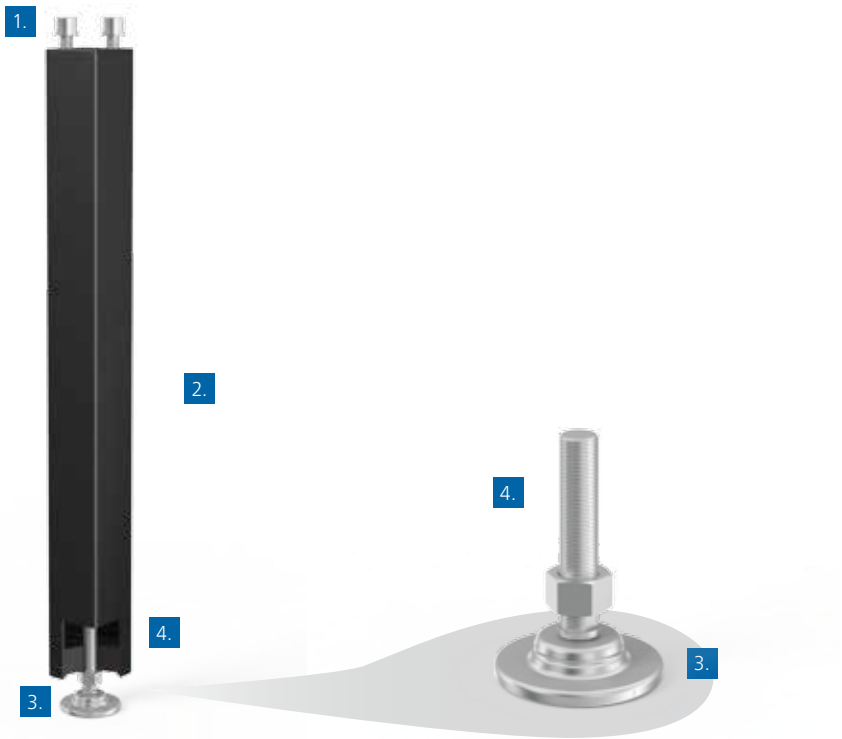


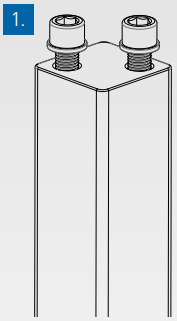
BEARING LOAD PER LEG

The maximum bearing load per leg in System 16 is max. 200 – 1.000 kg for all tables depending on the leg type.

Computationally resulting in substantially higher overall loads. However, the indicated bearing loads were calculated with reserves for safety reasons.

Please consult with manufacturer, if higher overall loads are required.





1. ALLEN SCREW

- with M16 thread
- with lockwasher for security

2. MATERIAL

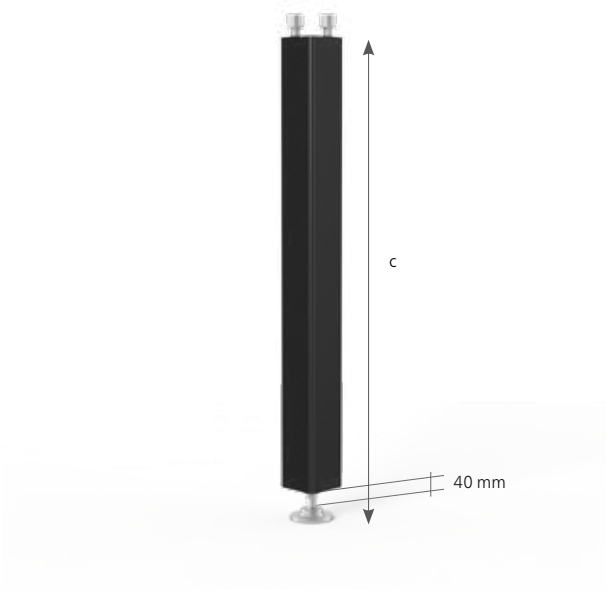
- stable square pipe 70x70 mm
- for higher stability
- powder coated

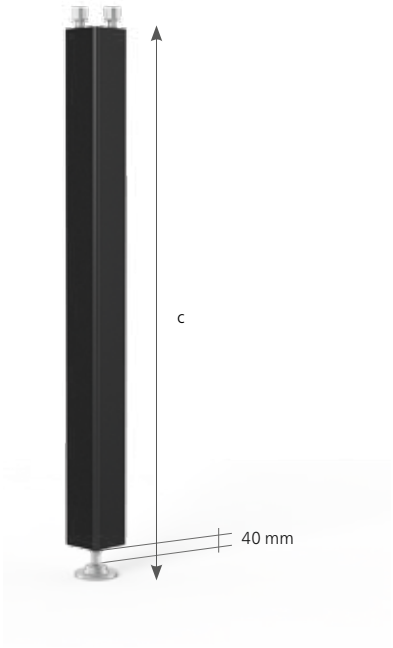
3. BASE PLATE

- Ø 70 mm
- for optimum pressure distribution
- made of twisted bulk material
- for increased stability and precision

4. THREADED ARBOR

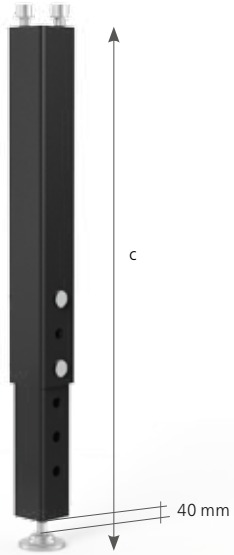
- with sturdy M16x1.5 fine thread (pitch 1.5 mm)
- 40 mm vernier adjustment
- with locknut for security





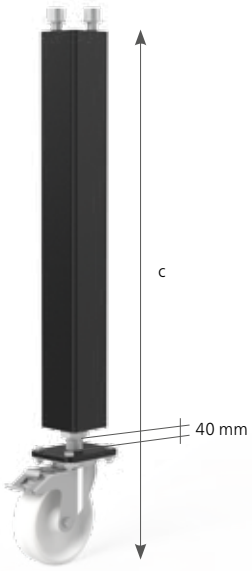
	Length:	Width:	Height: (c)	Weight:	Item No.
Leg standard equipment 750 - 40 mm vernier adjustment - Standard-leg for Professional 750 table System 16	70 mm	70 mm	750 mm	6,10 kg	2-160858.X ●
Leg standard equipment 850 - 40 mm vernier adjustment - alternative height	70 mm	70 mm	850 mm	6,70 kg	2-160857.X ●

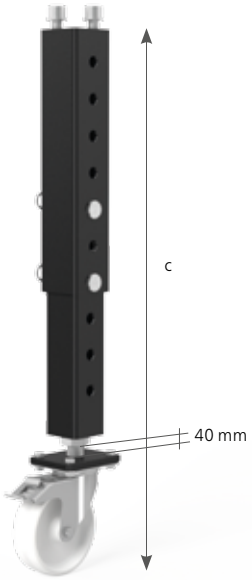
● Stock item / ○ Item is made to order



	Length:	Width:	Height: (c)	Weight:	Item No.
Leg height-adjustable 550-950 - 40 mm vernier adjustment - table height 650-1050 mm adjustable	70 mm	70 mm	550-950 mm	7,00 kg	2-160877.X ●

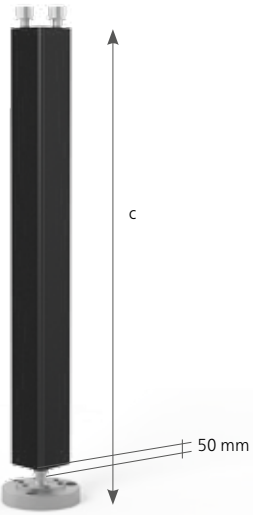
● Stock item / ○ Item is made to order

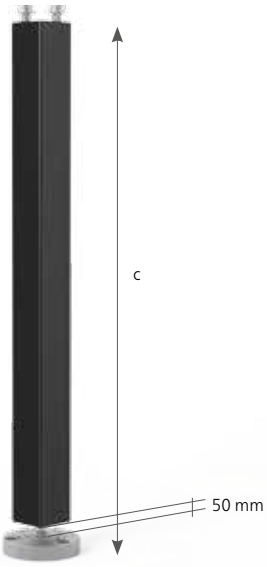




	Length:	Width:	Height: (c)	Weight:	Item No.
Leg with Caster and Locking Brake 750 - 40 mm vernier adjustment	70 mm	70 mm	750 mm	7,00 kg	2-160876.X ●
Leg height-adjustable with Caster and Locking Brake 600-900 - 40 mm vernier adjustment - table height 700-1000 mm adjustable	70 mm	70 mm	600-900 mm	8,00 kg	2-160879.X ●

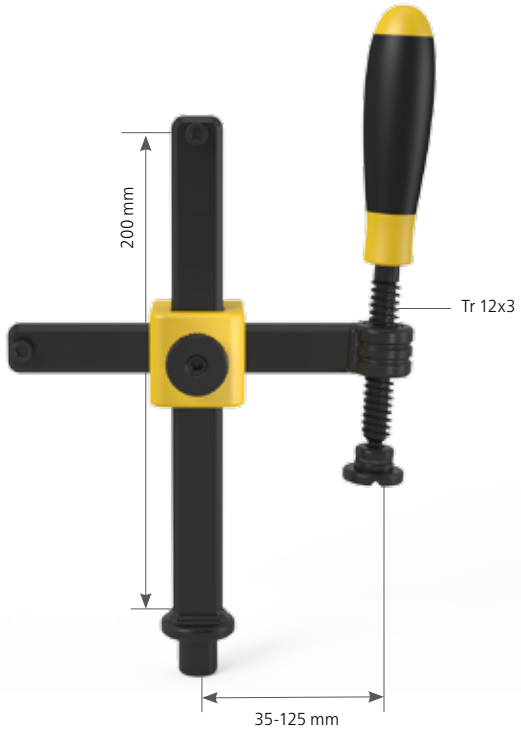
● Stock item / ○ Item is made to order





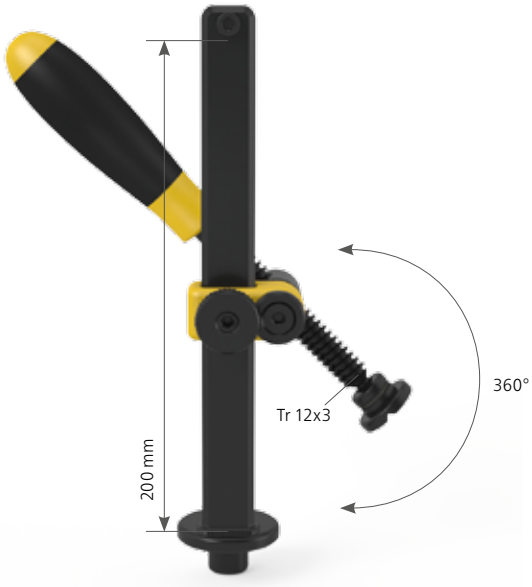
	Length:	Width:	Height: (c)	Weight:	Item No.
Leg with Floor Anchoring 750 - 50 mm vernier adjustment	70 mm	70 mm	750 mm	8,30 kg	2-160875.X ●
Leg with Floor Anchoring 850 - 50 mm Feinjustierung	70 mm	70 mm	850 mm	9,30 kg	2-160873.X ●

● Stock item / ○ Item is made to order



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp	2,5 kN	1,20 kg	2-160610 ●

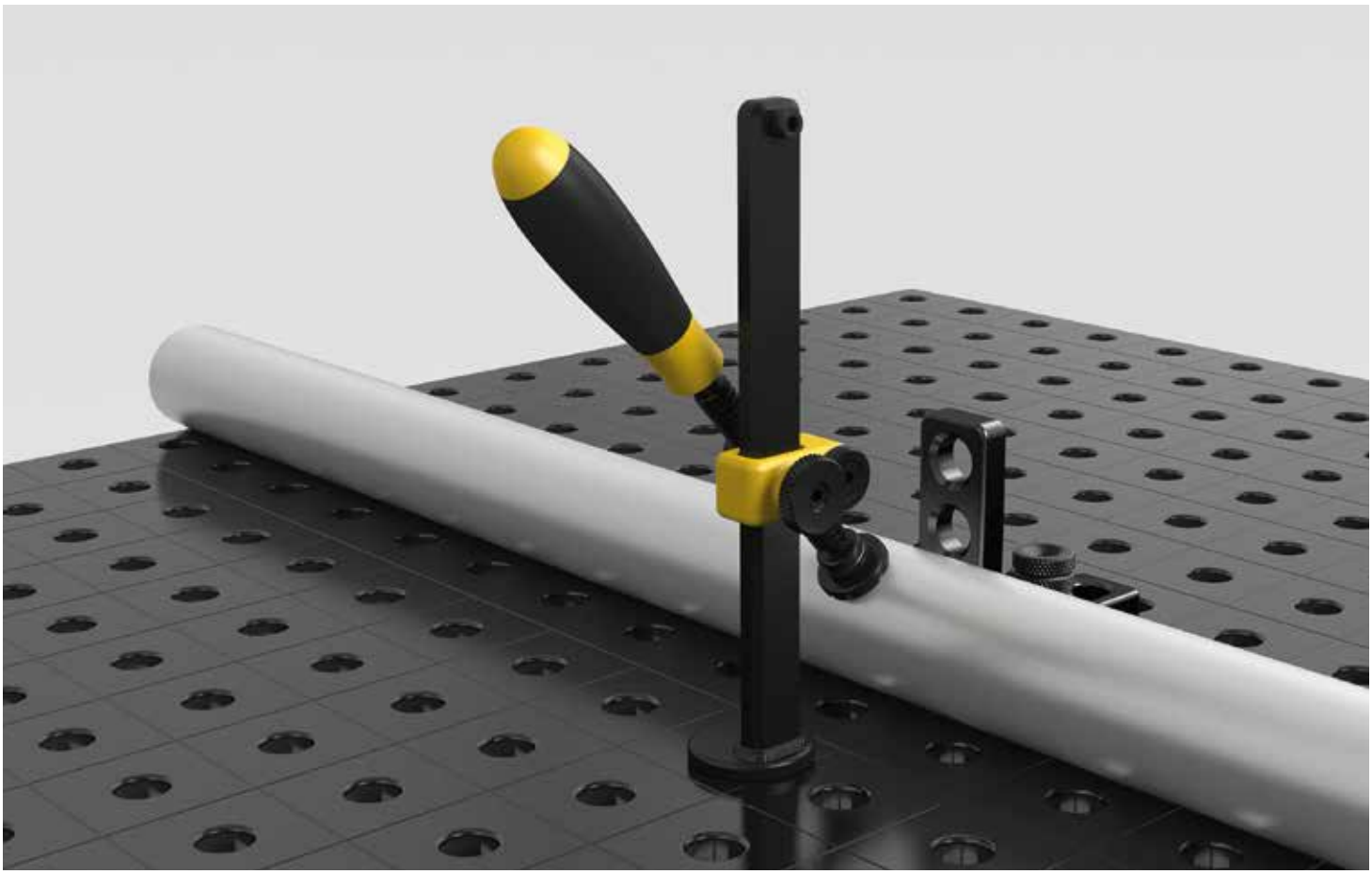
● Stock item / ○ Item is made to order



Standard model	maximum load:	Weight:	Item No.
Professional Screw Clamp 45° /90°	2,5 kN	0,75 kg	2-160630 ●

● Stock item / ○ Item is made to order

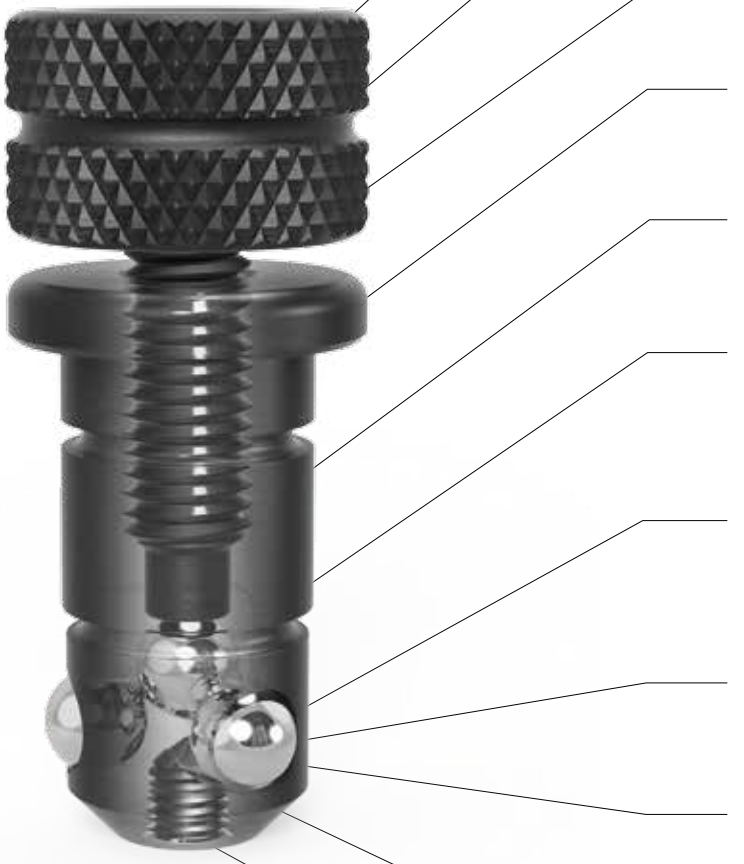




Some parts on the illustration are from our main catalog.

Lightning-fast and optimized

DUE TO ITS WELL-ENGINEERED MECHANISM
IT CAN BE FIXED AND RELEASED BY HAND
WITHIN SECONDS.



Lightning-fast clamping
by reinforcement

Optimized grip ergonomics:
sufficient space between grip and
workpiece enables easier handling

Optimized surface for
maximum grip

Bore hole surface
smoothed after hardening to
achieve maximum accuracy

Bolt body
manufactured of hardened, high-alloyed
steel for maximum strength

No O-ring required due to minimized
internal friction. As a result no more frozen
dirty bore holes. If needed an O-ring can
be applied

Reinforcement
minimized internal friction as a result of
4 balls, based on the toggle principle.
Oftentimes manual clamping is possible

Ø 6,7 mm balls;
large pressure surface center of
pressure maximally relocated outwards.

Optimized load distribution support
based on only 3 balls according
to the trihedral principle. No O-ring
required to keep balls in place!

Chamfer
enables clamping crosswise

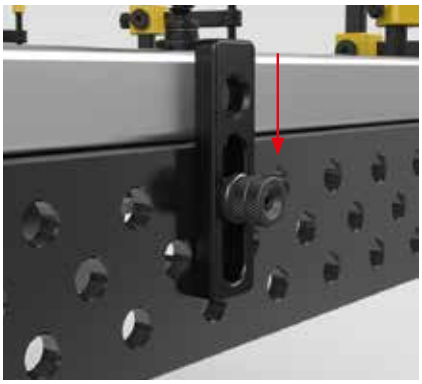
Patented mechanism
prevents jamming of balls



TIGHTENING TORQUE (AM)

The tightening torque is the force required to fasten the bolt using a torque wrench. In order to achieve maximum clamping force, the tightening torque should not exceed the recommended guideline. The bolt was designed to only require a low torque to reach maximum clamping force, thereby enabling simple manual clamping.

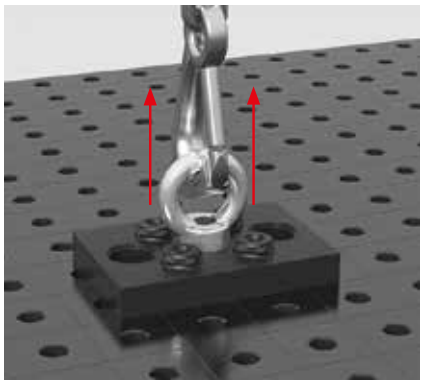
Max. AM of 160510: ≤ 10 Nm



SHEARING FORCE (SK)

The shearing force is a force which reacts laterally to the cross-sectional area of the bolt.

Max. SK of 160510: ≤ 55 kN

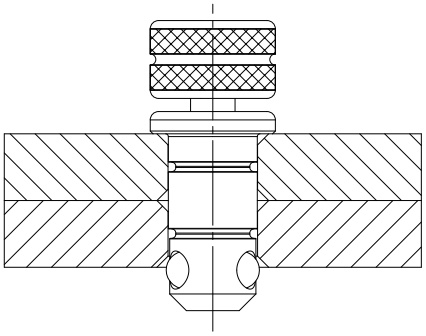


TENSILE FORCE (ZK)

The tensile force is the force created when pulling on fixed bolts.

Max. ZK of 160510: ≤ 10 kN

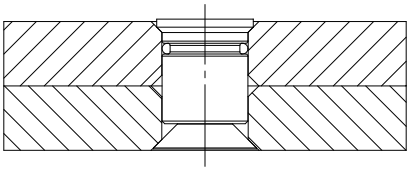




	Ø:	Weight:	SK:	AM:	ZK:	Item No.	
Fast Clamping Bolt short - for clamping 2 components - burnished - with screw top	16 mm	0,08 kg	55,00 kN	10,00 Nm	10,00 kN	2-160510	●

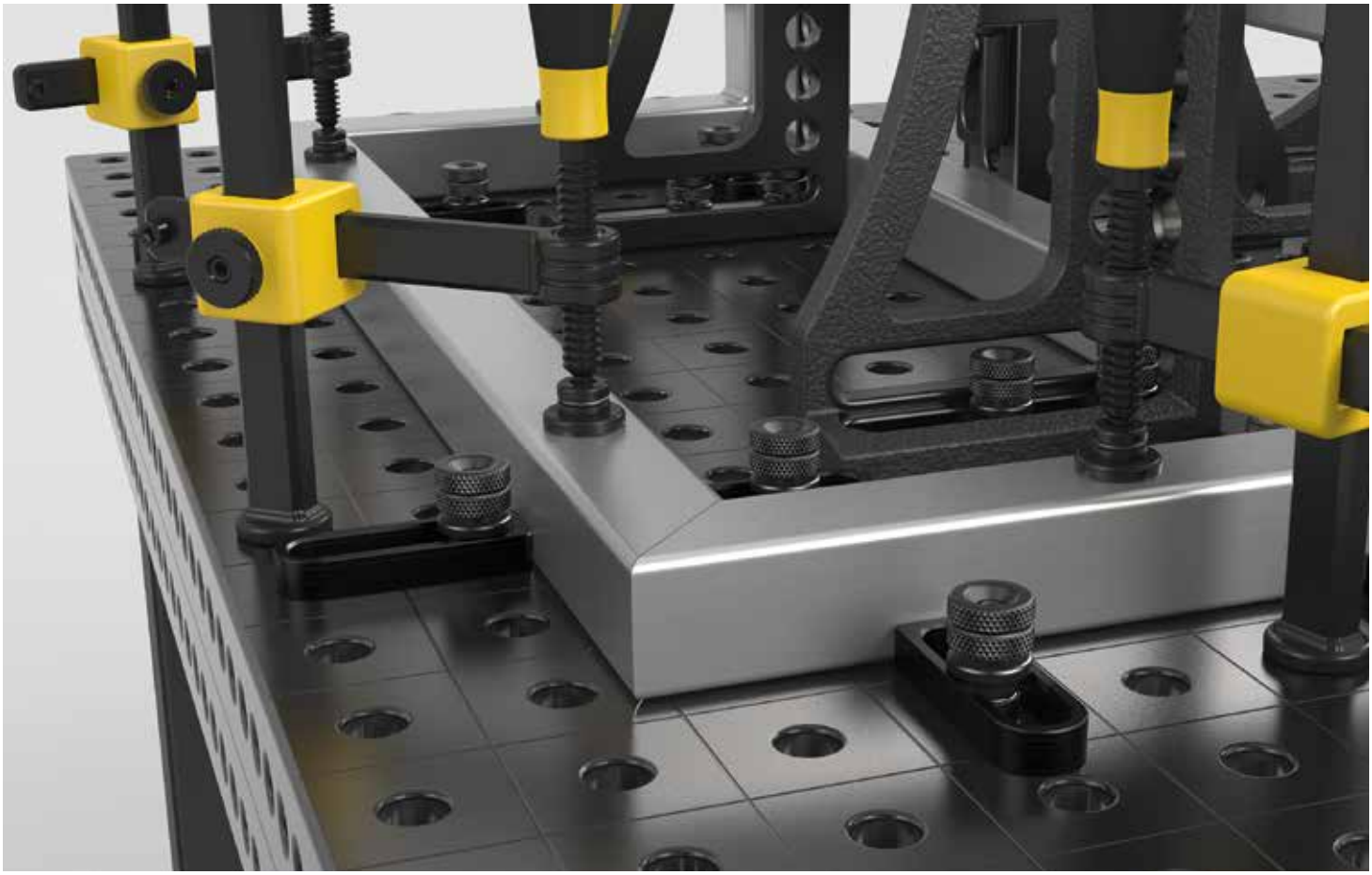
SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order





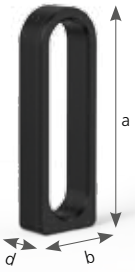
	Ø:	Weight:	SK:	AM:	ZK:	Item No.	
Connecting Bolt short - for connecting 2 components - with allen key	16 mm	0,03 kg	50,00 kN	15,00 Nm	4,00 kN	2-160560	●

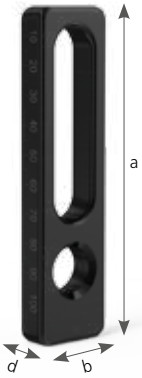
SK=Shearing Force; AM=Tightening Torque; ZK=Tensile Force;
● Stock item / ○ Item is made to order

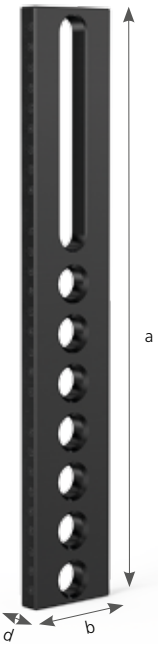




Some parts on the illustration are from our main catalog.







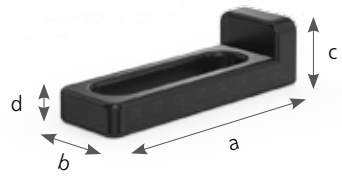
	Length: (a)	Width: (b)	MS: (d)	VB:	Weight:	Item No.	
Universal Stop 75 L - nitrided	75 mm	30 mm	12 mm	50 mm	0,07 kg	2-160410.N	●
Universal Stop 115 L - nitrided - standard with fine scaling	115 mm	30 mm	12 mm	50 mm	0,20 kg	2-160420.N	●
Universal Stop 300 M - 7 system bore holes - burnished	300 mm	50 mm	12 mm	100 mm	1,08 kg	2-160425	●

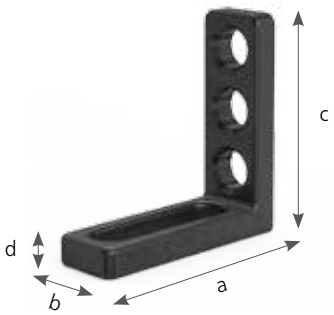
MS=Material thickness; VB=Adjusting range;
● Stock item / ○ Item is made to order









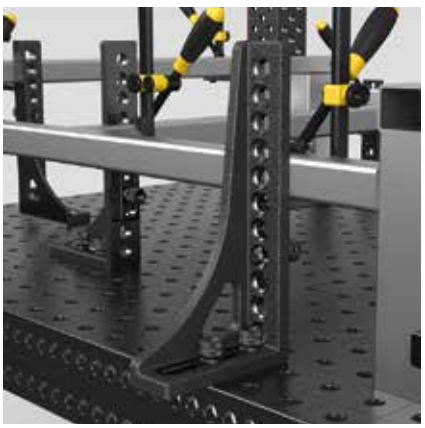




	Length: (a)	Width: (b)	Height: (c)	MS: (d)	Weight:	Item No.
Stop and Clamping Square 90 X - nitrided - standard with fine scaling on both sides	90 mm	30 mm	25 mm	12 mm	0,19 kg	2-160108.N ●
Stop and Clamping Square 90 L - drill hole / oblong slot - nitrided - standard with fine scaling on both sides	90 mm	30 mm	90 mm	12 mm	0,31 kg	2-160110.N ●
Stop and Clamping Square 300 G - stop on left - nitrided	150 mm	50 mm	300 mm	12 mm	2,40 kg	2-160162.N ●

MS=Material thickness;
● Stock item / ○ Item is made to order













160134.N



160136.N



160146.N



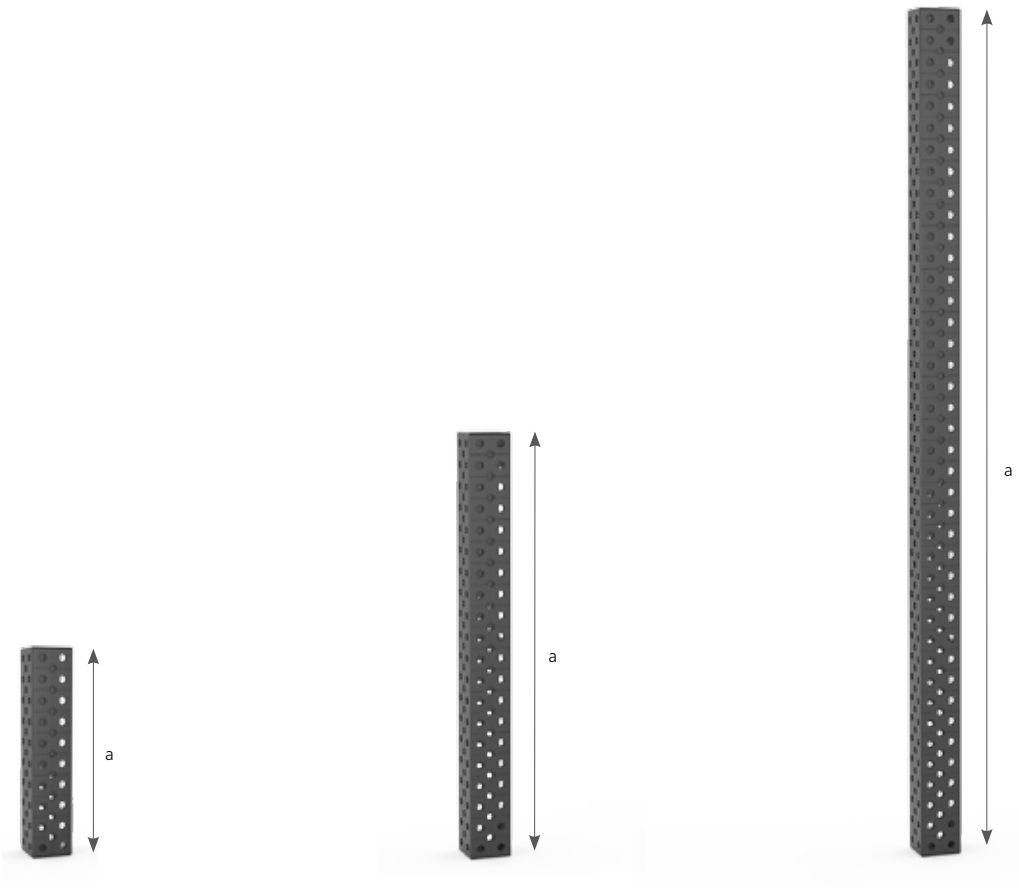
160148.N

	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Stop and Clamping Square 500 GK - stop on left - nitrided - standard with fine scale	195 mm	50 mm	500 mm	5,30 kg	2-160134.N ●
Stop and Clamping Square 500 GK - stop on right - nitrided - standard with fine scale	195 mm	50 mm	500 mm	5,30 kg	2-160136.N ●
Stop and Clamping Square 750 GK - stop on left - nitrided - standard with fine scale	200 mm	100 mm	750 mm	8,30 kg	2-160146.N ●
Stop and Clamping Square 750 GK - stop on right - nitrided - standard with fine scale	200 mm	100 mm	750 mm	8,30 kg	2-160148.N ●

● Stock item / ○ Item is made to order

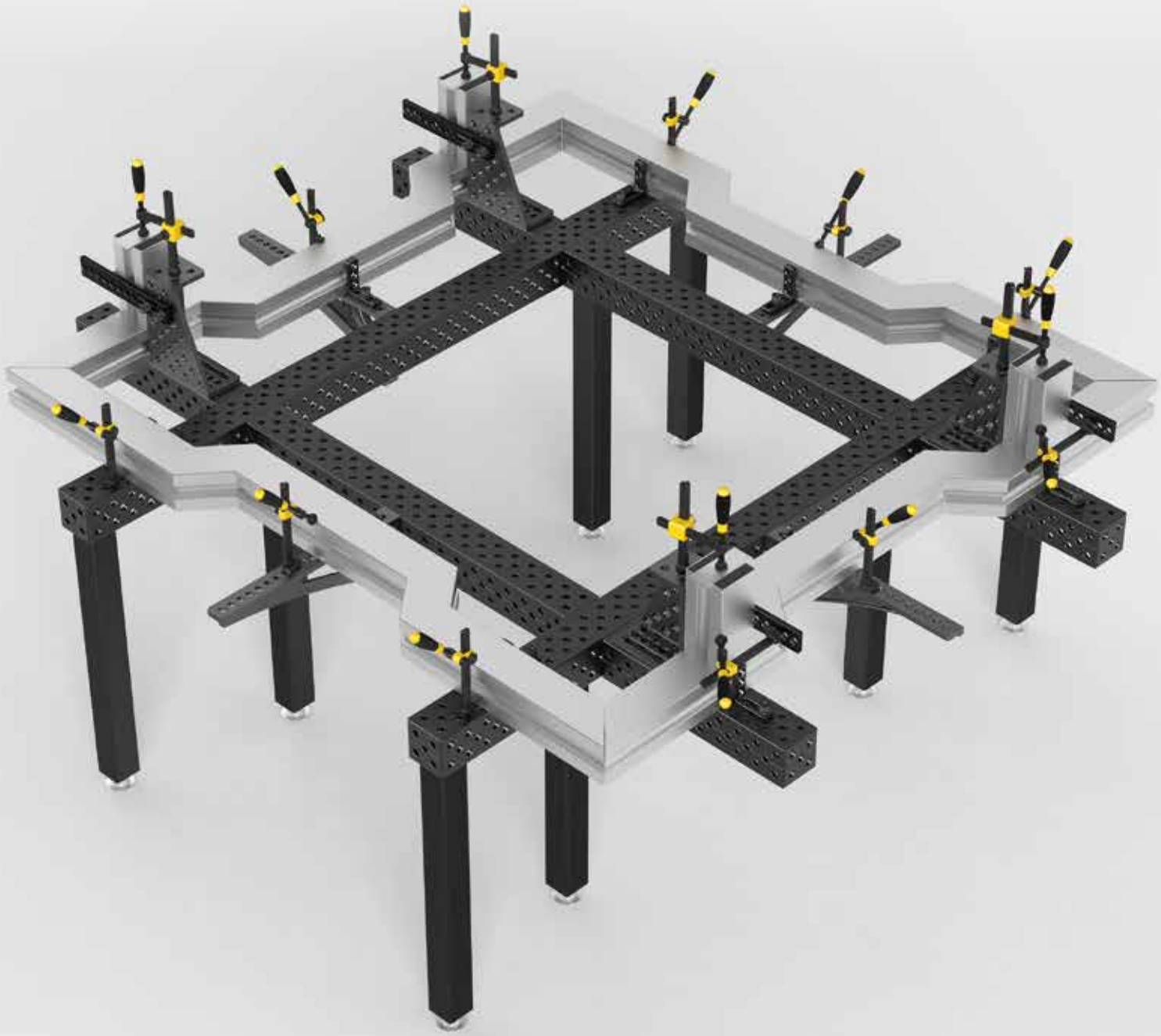


Some parts on the illustration are from our main catalog.

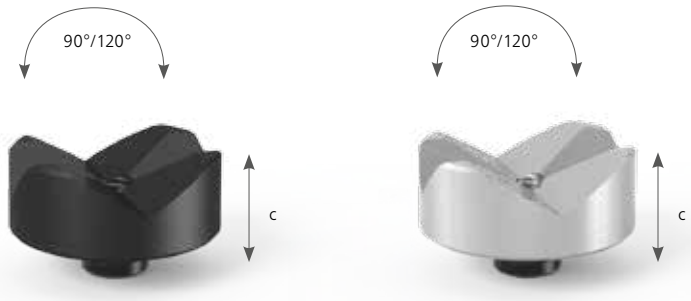


	Length: (a)	Width:	Height:	Weight:	Item No.
Square U-Shape 500x100x100 Plasma nitrided	500 mm	100 mm	100 mm	approx. 13 kg	2-160360.P ●
Square U-Shape 1000x100x100 Plasma nitrided	1000 mm	100 mm	100 mm	approx. 25 kg	2-160370.P ●
Square U-Shape 2000x100x100 Plasma nitrided	2000 mm	100 mm	100 mm	approx. 47 kg	2-160390.P ●

● Stock item / ○ Item is made to order

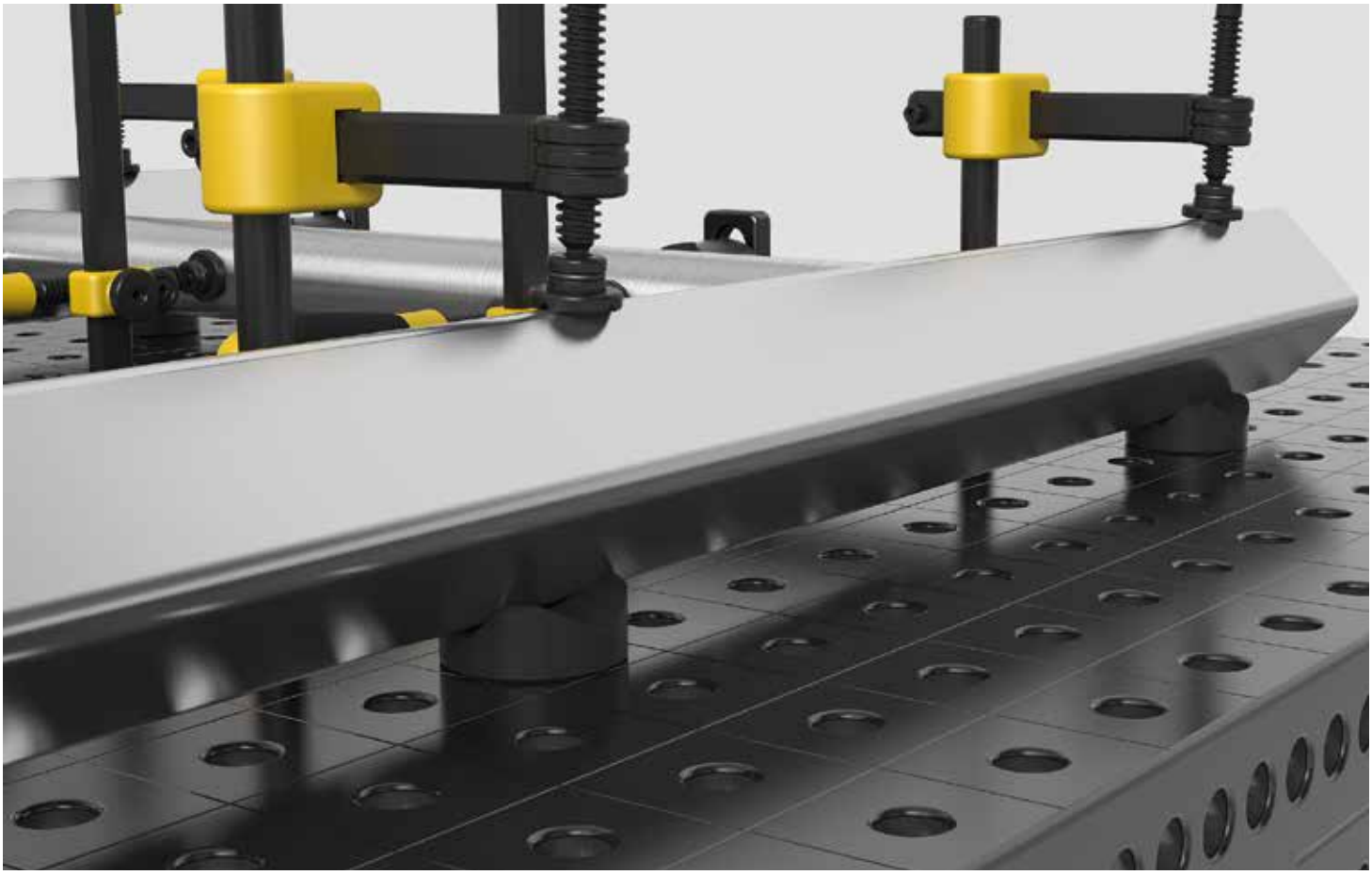


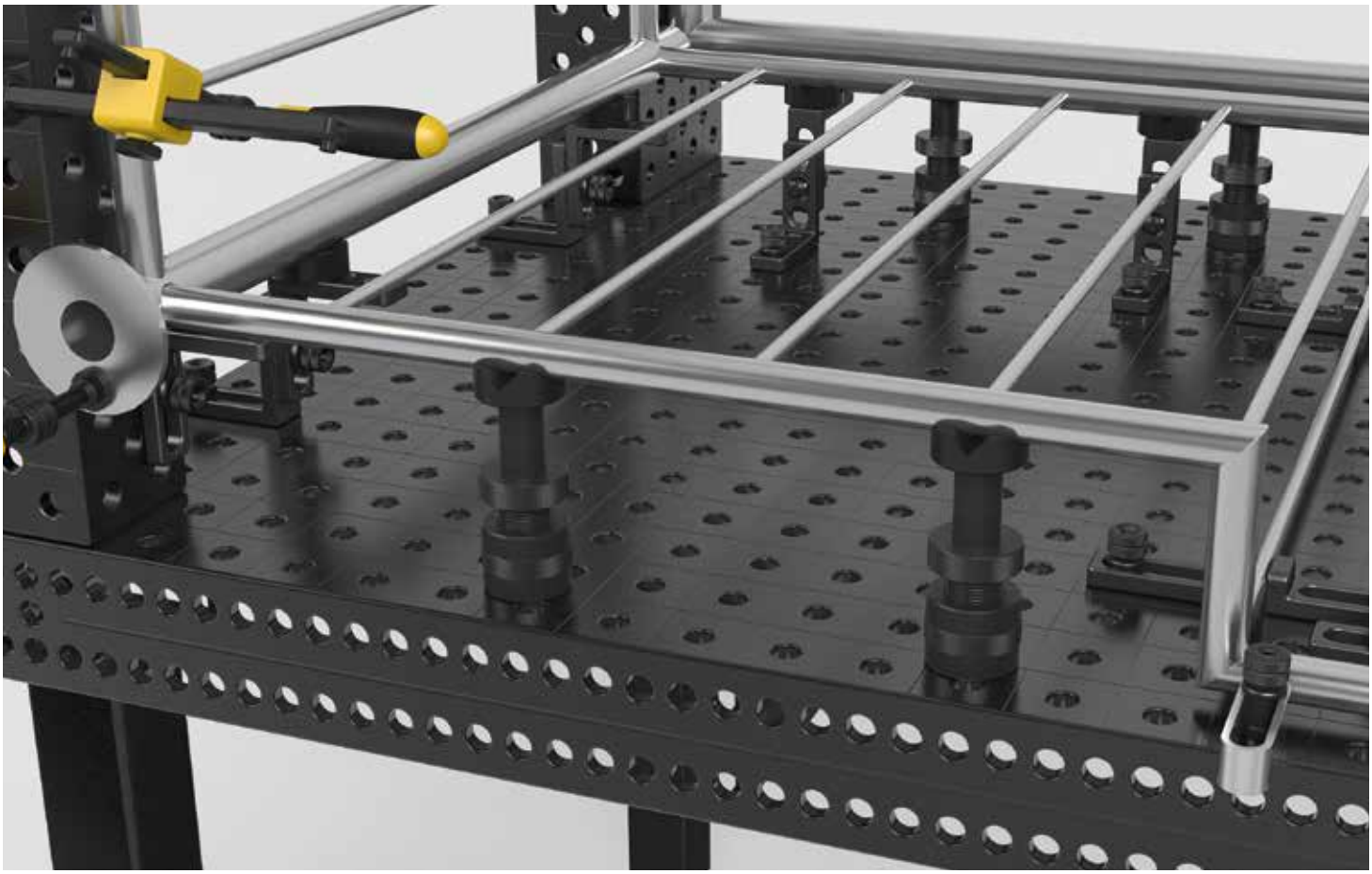
Some parts on the illustration are from our main catalog.



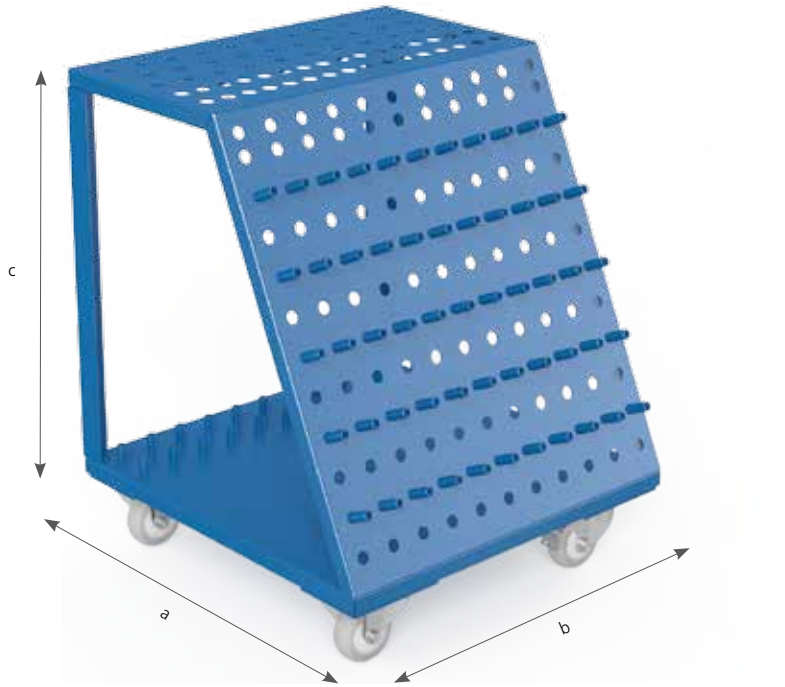
	Height: (c)	Ø:	Weight:	Item No.
Vario Prism Ø 50 90° / 120° with screwed-in collar - burnished - M10 thread	20 mm	50 mm	0,21 kg	2-160645.1 ●
Vario Prism Ø 50 90° / 120° with screwed-in collar - aluminum - M10 thread	20 mm	50 mm	0,07 kg	2-160645.1.A ●

● Stock item / ○ Item is made to order





Some parts on the illustration are from our main catalog.



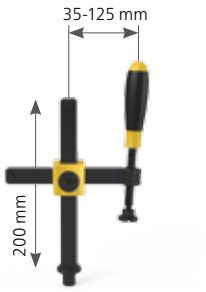
	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Tool Cart - varnished	560 mm	560 mm	720 mm	30,00 kg	2-160910 ●

● Stock item / ○ Item is made to order



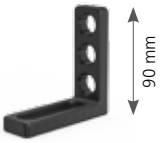
Some parts on the illustration are from our main catalog.

2-163100











Clamp	Bolt	Stop	Square	Square
burnished	burnished	nitrided	nitrided	nitrided
160610	160510	160420.N	160110.N	160108.N
4 x	**12 x**	**4 x**	**4 x**	**4 x**









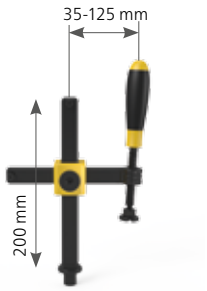




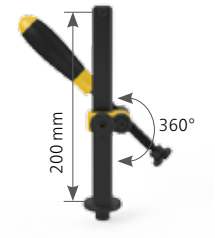


Eccentric Stop	Allen Wrench	Brush	Oilstone	CleanBasic	Anti-Spatter	Burner Holder
burnished						
160402	160852	160820	000942	000911	000921	160920
1 x	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**

2-163200



Clamp
burnished
160610
6 x



Clamp
burnished
160630
2 x



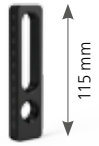
Prism
burnished
160645.1
4 x



Bolt
burnished
160510
18 x



Stop
nitrided
160410.N
4 x



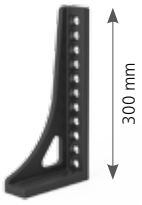
Stop
nitrided
160420.N
6 x



Square
nitrided
160110.N
6 x



Square
nitrided
160108.N
6 x



Square
nitrided
160162.N
2 x



Eccentric Stop
burnished
160402
1 x



Allen Wrench
160852
1 x



Brush
160820
1 x



Oilstone
000942
1 x



CleanBasic
000911
1 x



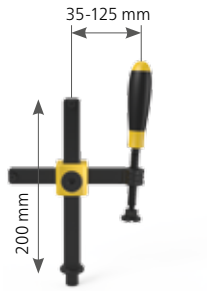
Anti-Spatter
000921
1 x



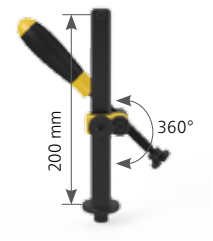
Burner Holder
160920
1 x

Some parts on the illustration are from our main catalog.

2-163300



Clamp
burnished
160610
8 x



Clamp
burnished
160630
4 x



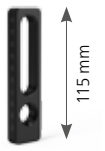
Prism
burnished
160645.1
4 x



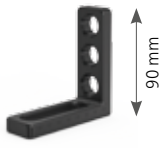
Bolt
burnished
160510
24 x



Stop
nitrided
160410.N
4 x



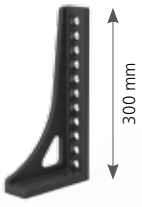
Stop
nitrided
160420.N
8 x



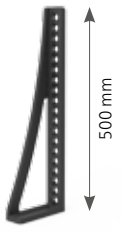
Square
nitrided
160110.N
8 x



Square
nitrided
160108.N
8 x



Square
nitrided
160162.N
2 x



Square
burnished
160164
2 x



Eccentric Stop
burnished
160402
1 x



Allen Wrench
160852
1 x



Brush
160820
1 x



Oilstone
000942
1 x



CleanBasic
000911
1 x

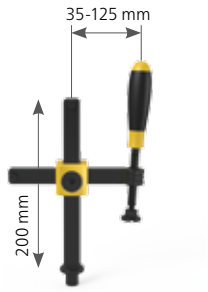


Anti-Spatter
000921
1 x

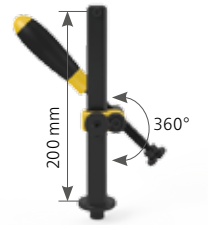


Burner Holder
160920
1 x

2-163400



Clamp
burnished
160610
10 x



Clamp
burnished
160630
4 x



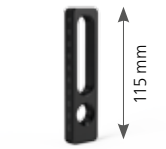
Prism
burnished
160645.1
8 x



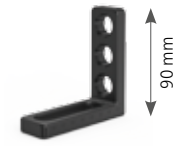
Bolt
burnished
160510
30 x



Stop
nitrided
160410.N
8 x



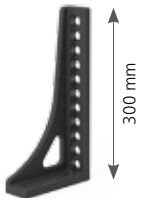
Stop
nitrided
160420.N
10 x



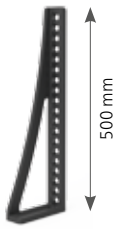
Square
nitrided
160110.N
10 x



Square
nitrided
160108.N
10 x



Square
nitrided
160162.N
2 x



Square
burnished
160164
2 x



Square
nitrided
160161+63.N
1 x + 1 x



Square
nitrided
160134+36.N
1 x + 1 x



Tool Cart
160910
1 x



Allen Wrench
burnished
160402
1 x



Brush
160852
1 x



Oilstone
160820
1 x



CleanBasic
000942
1 x



Anti-Spatter
000911
1 x



Burner Holder
000921
1 x



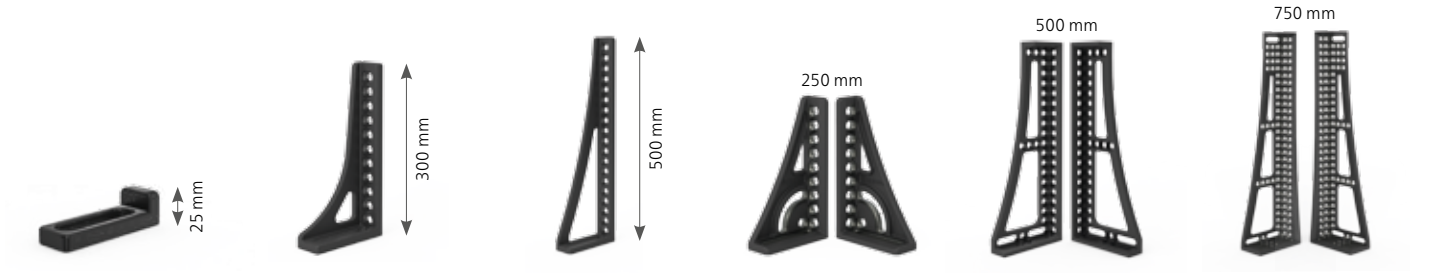
Brennerhalter
160920
1 x

Some parts on the illustration are from our main catalog.

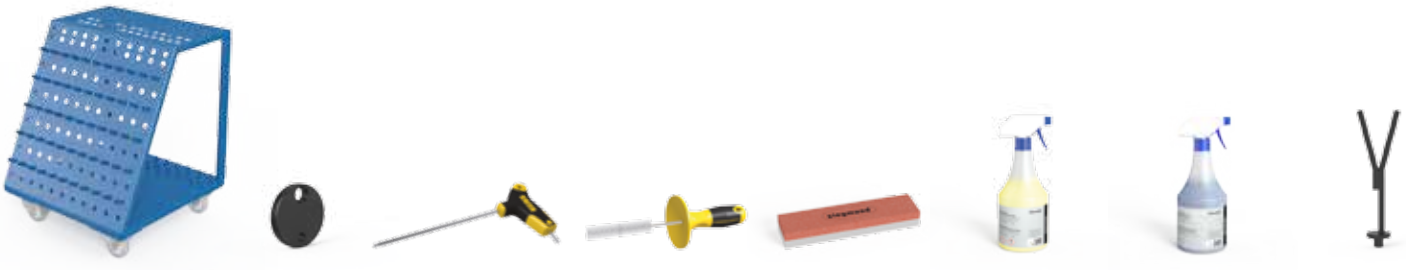
2-163500



Clamp	Clamp	Prism	Bolt	Stop	Stop	Square
burnished	burnished	burnished	burnished	nitrided	nitrided	nitrided
160610	160630	160645.1	160510	160410.N	160420.N	160110.N
12 x	**6 x**	**8 x**	**36 x**	**8 x**	**12 x**	**12 x**

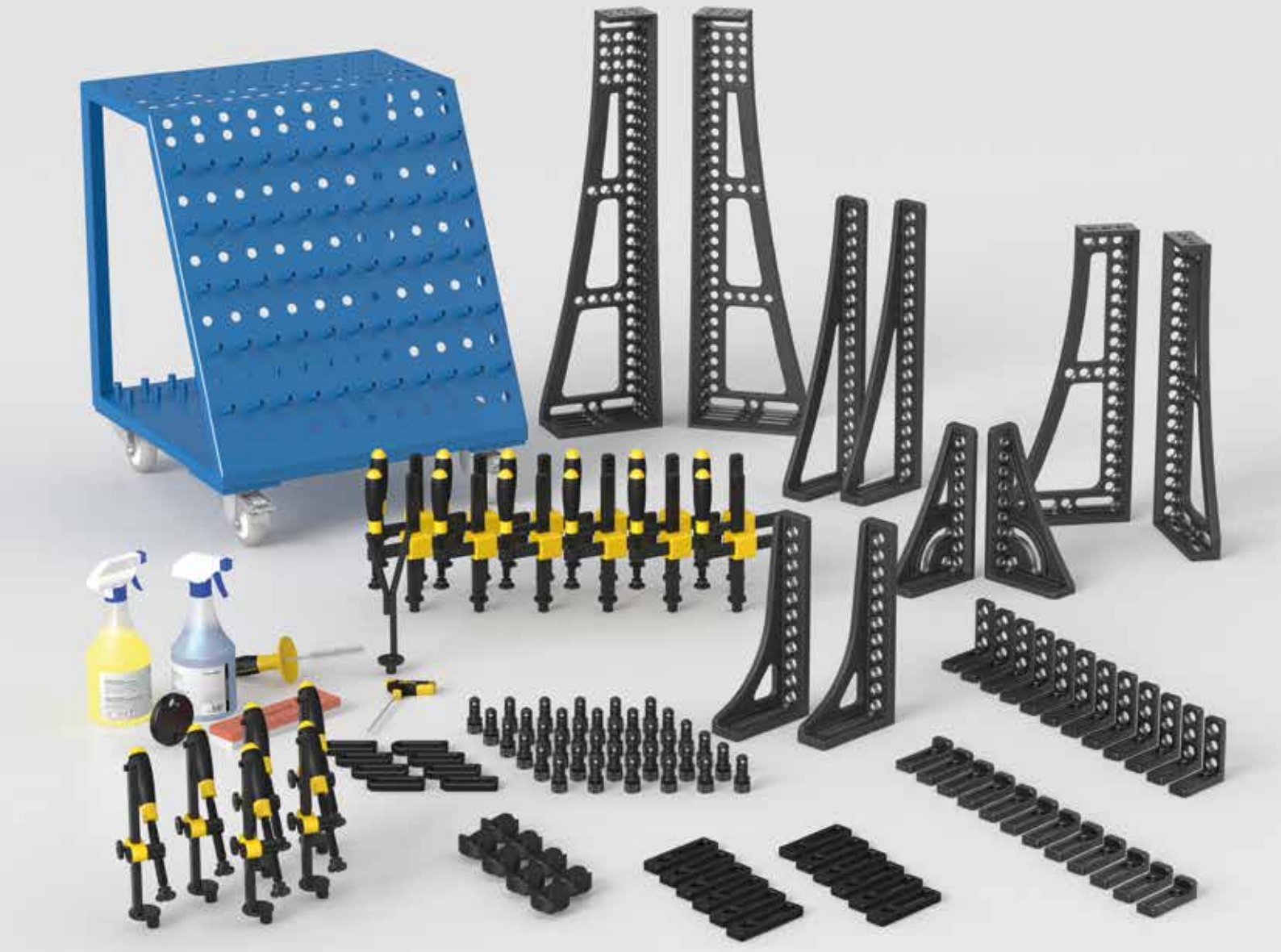


Square	Square	Square	Square	Square	Square
nitrided	nitrided	burnished	nitrided	nitrided	nitrided
160108.N	160162.N	160164	160161+63.N	160134+36.N	160146+48.N
12 x	**2 x**	**2 x**	**1 x + 1 x**	**1 x + 1 x**	**1 x + 1 x**



Tool Cart	Eccentric Stop	Allen Wrench	Brush	Oilstone	CleanBasic	Anti-Spatter	Burner Holder
	burnished						
160910	160402	160852	160820	000942	000911	000921	160920
1 x	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**	**1 x**

 Some parts on the illustration are from our main catalog.



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WELDING TABLES AND CLAMPING SYSTEMS



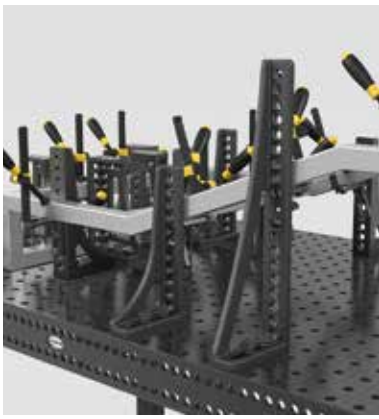
PRODUCT- AND APPLICATION CATALOG

More information on our products can be found in our Product- and Application Catalog (640 pages).









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