

Flexible space for precise and quick positioning...

...in order to meet these requirements, Siegmund offers the ideal solution - the new Rail System with integrated round rail.

Precise installation of our Rail System creates a structured work space with maximum accuracy and minimum tolerance. For example at a length of 25 meters there is a deviation of approx. 2 mm (if installing with adequate measuring equipment). Therefore large-scale work pieces can be manufactured true to size.

The combination of tables, connecting frames and accessories, result in a multitude of clamping options in any dimension. With the help of connecting frames with casters, tables and accessories are easily moved and spaded on a 100 mm grid. Due to the versatility of the Rail System, projects of any scope can be quickly positioned, adjusted and clamped.

The Siegmund Rail System stands for quality, precision and time saving.

MODULAR SYSTEM

By using the Siegmund modular system you can randomly combine and expand your equipment.

MAXIMUM PRECISION

Precision of parts, in connection with expert installation of the Rail System using adequate measuring equipment, enable accurate manufacturing.



INDIVIDUALLY DESIGNED

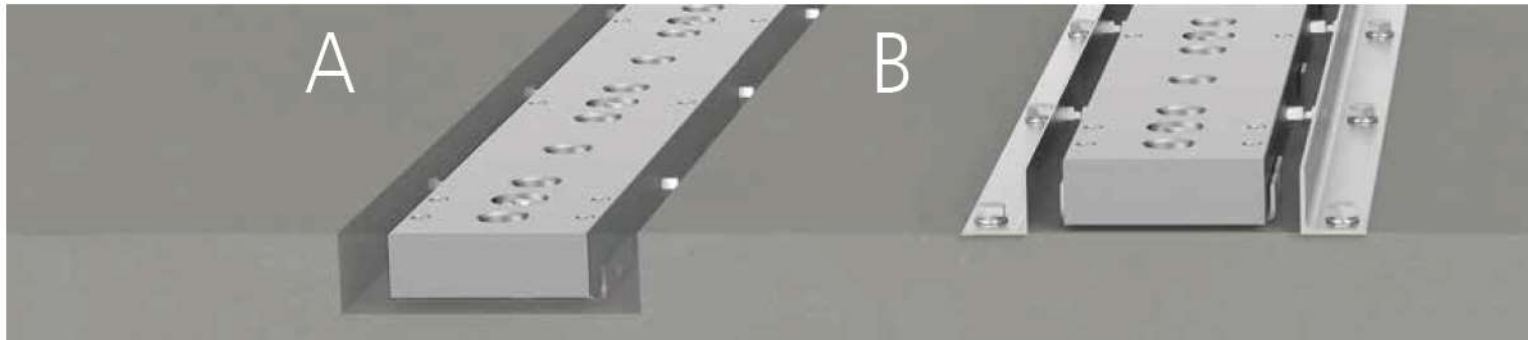
Regardless of the project you want to implement, we deliver the foundation.

VARIABLE POSITIONING

Expand your work space in any dimension!

...as flexible and mobile as you need it!

Overview Rail Options



A
SUPPORT AND FOUNDATION RAIL
UNDERFLOOR

B
ABOVE-FLOOR

INSTALLATION OPTIONS Underfloor

Above-floor

ADVANTAGES

- structured workspace with many clamping options
- precise positioning of clamping elements

- structured workspace with many clamping options
- precise positioning of clamping elements

- easy sliding of clamping elements on the rail with connecting frame with caster (F) or leg for U-squares with caster (K) (no lifting gear and crane required)

CLAMPING ELEMENTS

- Welding table on connecting frame simple (E)
- U-square for leg U-square simple (I)
- Clamping bridge (M)
- U-Square
- Cast Iron Squares
- Multi Clamp Tower

- Welding table on connecting frame simple (E)
- Welding table on connecting frame with casters (F)
- U-square on leg for U-square simple (I) and with caster (K)
- Clamping bridge (M)
- U-Square
- Cast Iron Squares
- Multi Clamp Tower

POSITIONING GRID FOR FIXATION

100 mm in rail grid

100 mm in rail grid

RAIL LENGTHS / STYLES

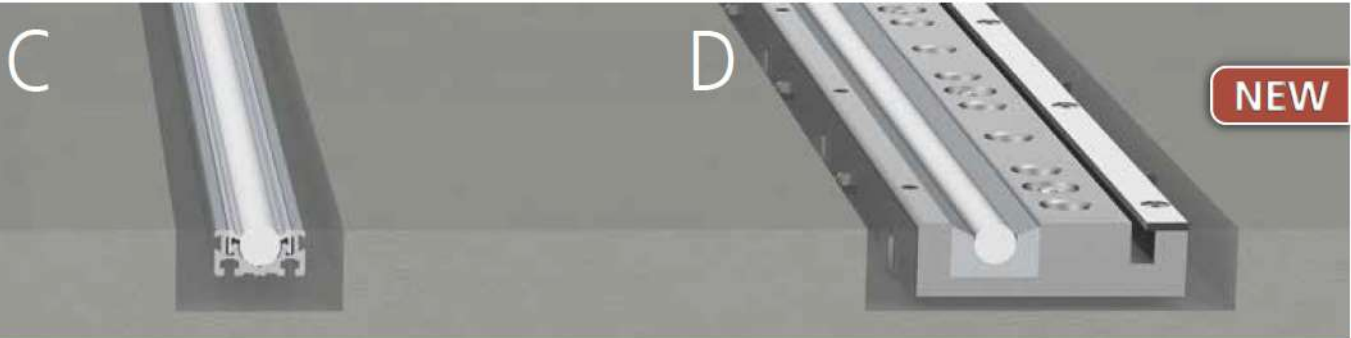
see page 178

see page 178

FEATURES

- Clamping elements are anchored with the rail (movable only with lifting gear and crane)

- Clamping elements on casters slide smoothly on the rail (no lifting gear and crane required)



ROUND RAIL

(recommended in connection with Support- and Foundation Rail underfloor or above-floor)

underfloor and above-floor option
(illustration underfloor)

- precise positioning of the clamping elements in combination with rails A, B or D
- easy sliding of clamping elements on the rail via connecting frame with caster (F) or leg for U-squares with caster (K) (no lifting gear and crane required)
- Round rail hardened / smoothed (sturdy rail, resulting in higher service life)
- centering of load on round rail (lower rolling friction, resulting in smooth operation)

- Welding table on connecting frame with cartridge roller (G)
- U-square on leg for U-square with insert roller (L)

100 mm in rail grid
(only in connection with Support- and Foundation Rail underfloor or above-floor)

see page 180

- slides easily
- high running smoothness of casters

SUPPORT AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL

underfloor and above-floor option
(illustration underfloor)

- structured workspace with many clamping options
- precise positioning of clamping elements
- easy sliding of clamping elements on the rail via connecting frame with caster (F) or leg for U-squares with caster (K) (no lifting gear and crane required)
- Round rail hardened / smoothed (sturdy rail, resulting in higher service life)
- centering of load on round rail (lower rolling friction, resulting in smooth operation)

- Rail components are interchangeable (durability)

- Welding table on connecting frame simple (E)
- Welding table on connecting frame with rotating rim (H)
- U-square on leg for U-square simple (I) and with cartridge roller (L) (recommended only in connection with tilt protection) Clamping bridge (M)
- U-Square
- Cast Iron Squares
- Multi Clamp Tower

100 mm in rail grid

see page 182

- slides easily
- high running smoothness of casters

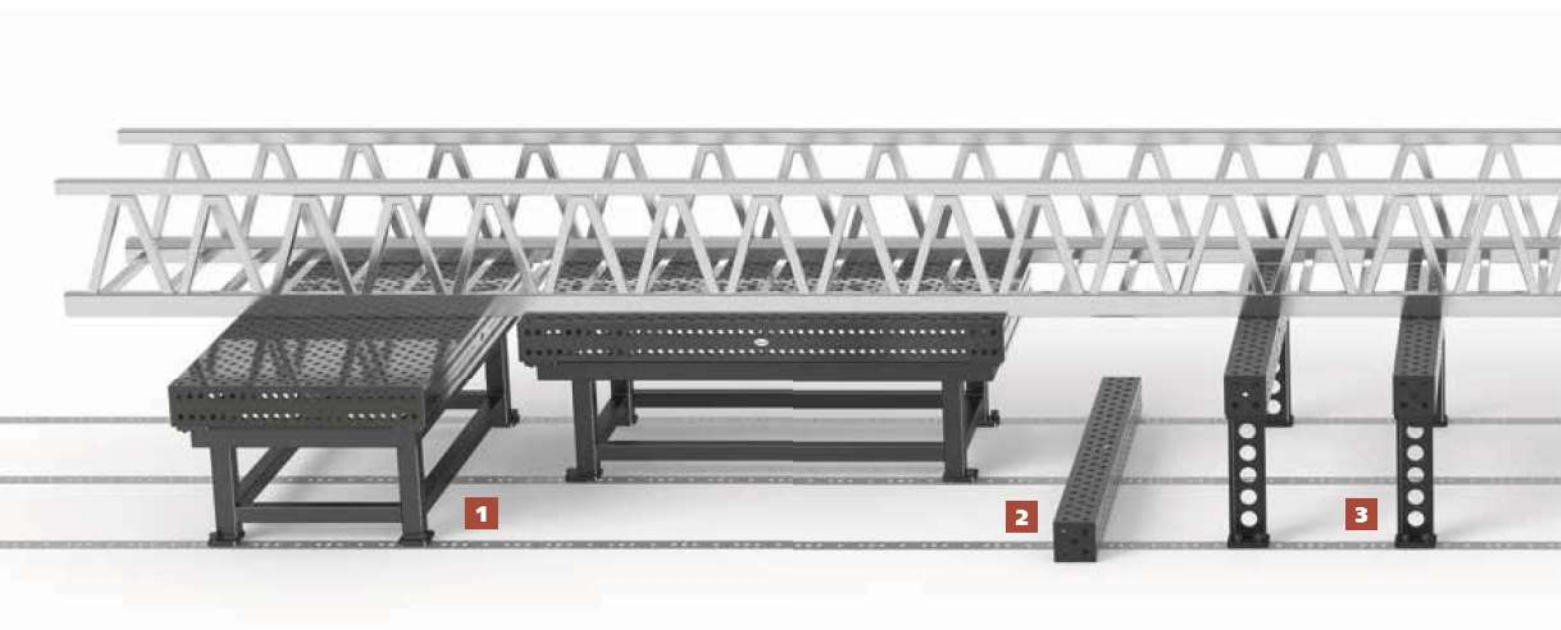
Comparison Support- and Foundation Rails



A SUPPORT AND FOUNDATION RAIL UNDER FLOOR

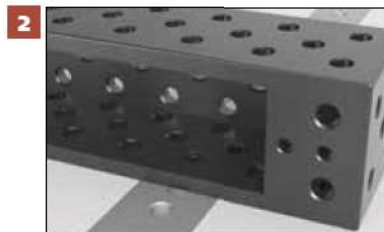
You can also find the product video on:

www.siegmund.com/V280883



1 FIXATION OF CONNECTING FRAMES

The "Connecting Frame simple (E)" is directly mounted on the rail by using bolts, e.g. 280510.



2 FIXATION OF CLAMPING ELEMENTS

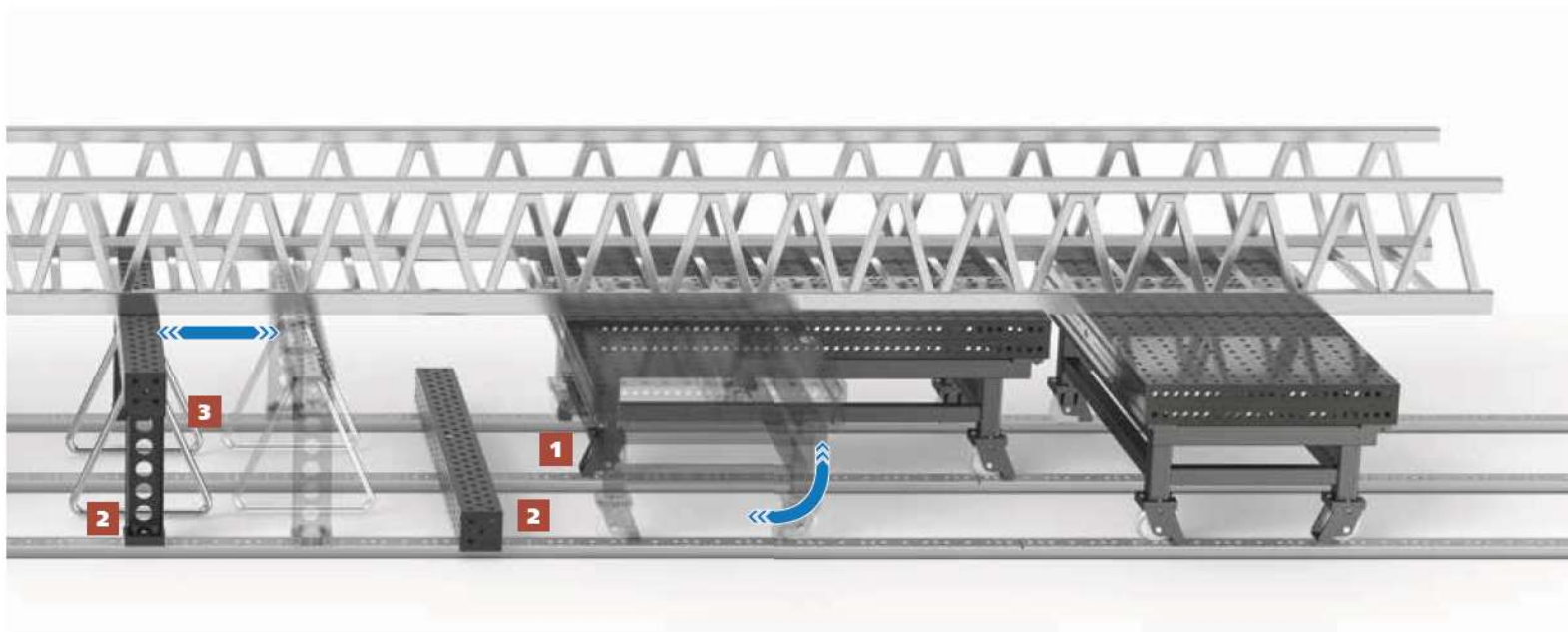
By using bolts, e.g. 280528, U-shape squares can be directly mounted on the rail, or in combination with "leg for U-shape squares simple (I)"



All other clamping elements are also directly mounted on the rail with bolts e. g. 280510.



B SUPPORT AND FOUNDATION RAIL
ABOVE-FLOOR



1 MOUNTING OF CONNECTING
FRAMES

A locking lever spades the "connecting frame with caster (F)" in the grid and secures its position.



2 MOUNTING OF CLAMPING
ELEMENTS

With long bolts, e.g. 280512, U-shape squares can be directly mounted on the rail, or in combination with "leg for U-shape simple (I), or with "leg for U-shape square with caster (K)."

All other clamping elements are also directly mounted on the rail with bolts e. g. 280510.



3 TILT PROTECTION FOR LEG
U-SQUARE

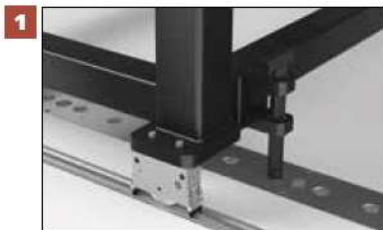
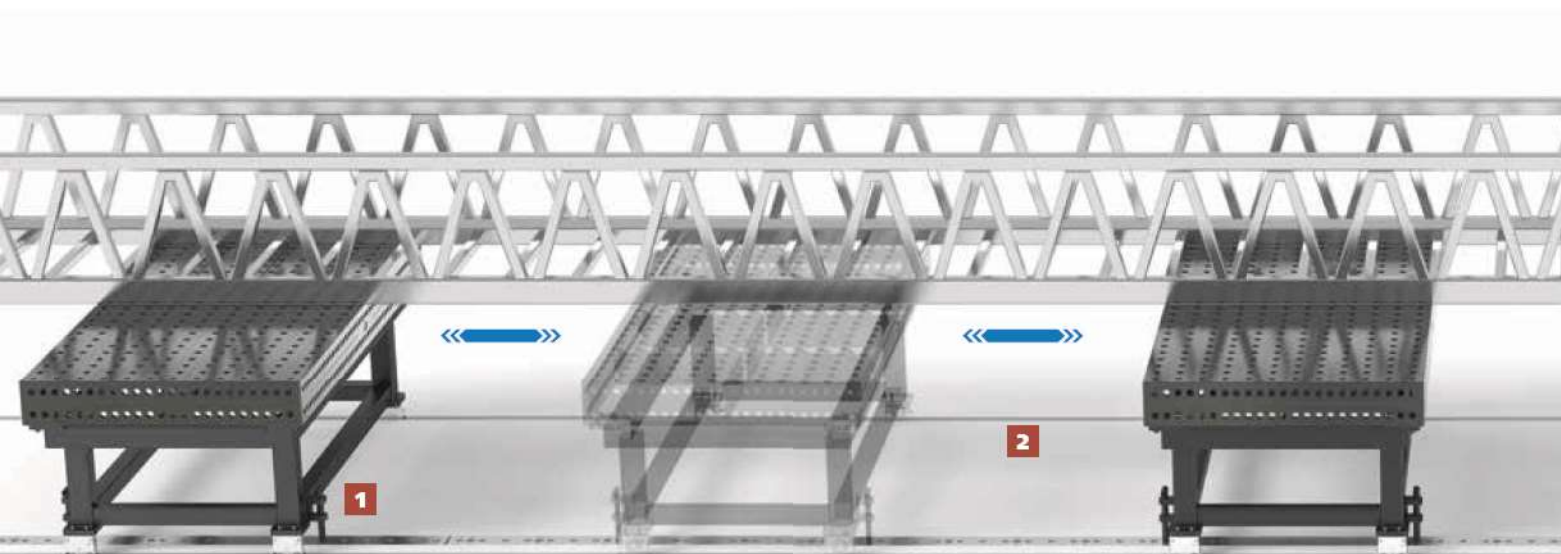
Tilt protection prevents the U-shape square from toppling onto "leg for U-shape square with caster (K)".

Tilt protection can be adjusted to customer specifications.

Comparison Round Rail

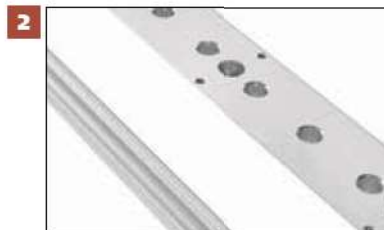


C SUPPORT- AND FOUNDATION RAIL WITH ROUND RAIL



1 MOUNTING OF CONNECTING FRAMES

A locking lever spades the "connecting frame with roller cartridge (G)" in the grid and secures its position.



2 OUR RECOMMENDATION

In order to enable working in the grid, we recommend installing the "round rail (C)" in combination with the "support- and foundation rail underfloor or above-floor (A or B).

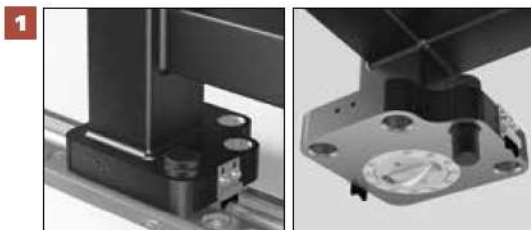
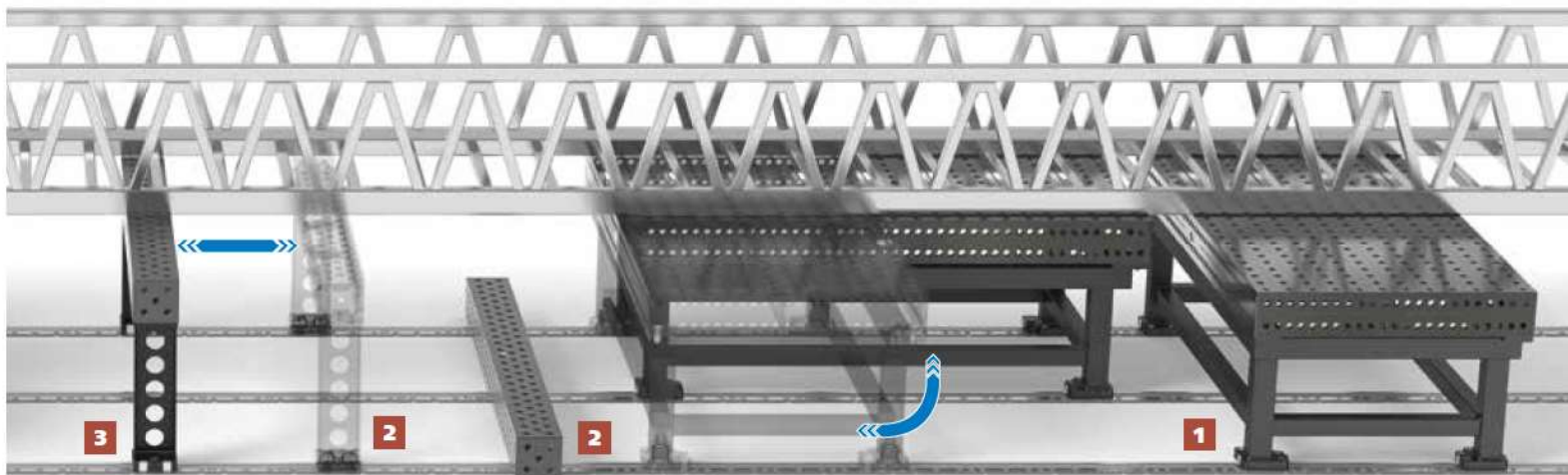
NEW



D SUPPORT- AND FOUNDATION RAIL
WITH INTEGRATED ROUND RAIL

You can also find the product video on:

www.siegmund.com/V280232.1



1 MOUNTING OF CONNECTING FRAMES

A locking lever spades the "connecting frame with rotating rim (H)" in the grid and secures its position.

ROTATING CONNECTION FRAMES

By turning the rotating rim by 90°, the connecting frame can be positioned and moved on the rails lengthways as well as across.



2 MOUNTING OF CLAMPING ELEMENTS

With bolts, e.g. 280510, U-shape squares can be directly mounted on the rail, or in combination with "leg for U-shape square simple (I)" or with "leg for U-shape square with insert roller (L)".

All other clamping elements are also directly mounted on the rail with bolts e. g. 280510.



3 TILT PROTECTION FOR LEG U-SQUARE

Tilt protection prevents toppling of the U-shape square onto "leg for U-shape square with insert roller (L)".

By disconnecting the tilt protection the leg can easily be moved/removed anytime.

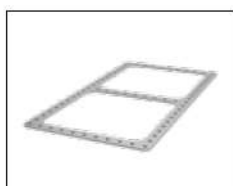


Precise installation is the basis!

We highly recommend our installation professionals at Bernd Siegmund GmbH using state-of-the-art 3D measuring technique.

Assembly step:		Installation within Germany		Information:
		Customer	Bernd Siegmund GmbH	
1.	Levelness assessment of floor incl. levelness report	●	●	Duration: approx. 1/2 day + travel time Cost: approx. 1,000-1,500 €
2.	Test of levelness	○	●	
3.	Underfloor: Cut out track in concrete	● ideally by local construction company	● after consulting local construction company	
	Above-floor: Milling/flattening of uneven floor	● ideally by local construction company	● after consulting local construction company	
4.	Installation Of Rail System, aided by 3D-measuring technique and qualified metrologist	○	●	Cost: approx. 200-250 € per m
5.	Customer approval after preparing the joint measurement report, since no corrections can be made after concreting	●	●	
6.	Underfloor: Concreting of Rails	●	●	

● = Installation possible
○ = Installation not possible



For the installation of the Support- and Foundation Rails we alternatively provide an Assembly Set (Item No. 280237) free of charge.

It consists of 1x Assembly Template (Item No. 280237.1) and 8x Positioning Bolts (Item No. 280237.2).

The Assembly Template is not recommended for large spaces due to inaccuracy.



Important Information

Installation of the rail system is always coordinated with the customer and individually customized to his needs. Here are some important details:



Time estimate

- Installation time approx. 1.5 hrs per meter



Siegmund Installation Service

- upon request, we offer worldwide installation service



Average assembly time

- on average 40-50 m are set up per week, aided by state-of-the-art 3D measuring technique



Ideal assembly length

- the ideal installation length of the support- and foundation rail is 3-4 m



Standard Track Width

- Track width 1 meter with more than two tracks
- Special solutions possible



Special solutions

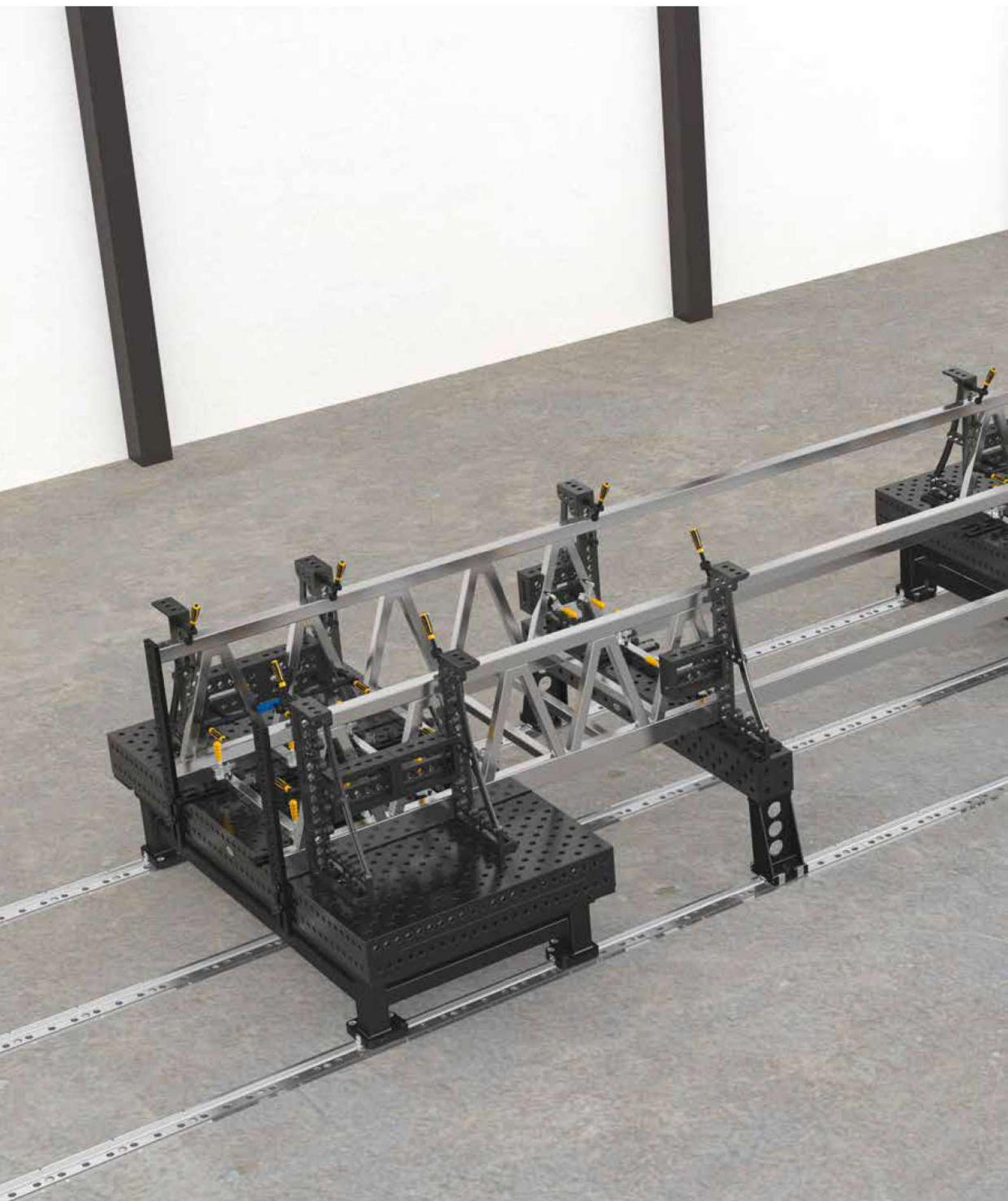
- all listed rail sizes and accessories are standard
- Special solutions upon demand

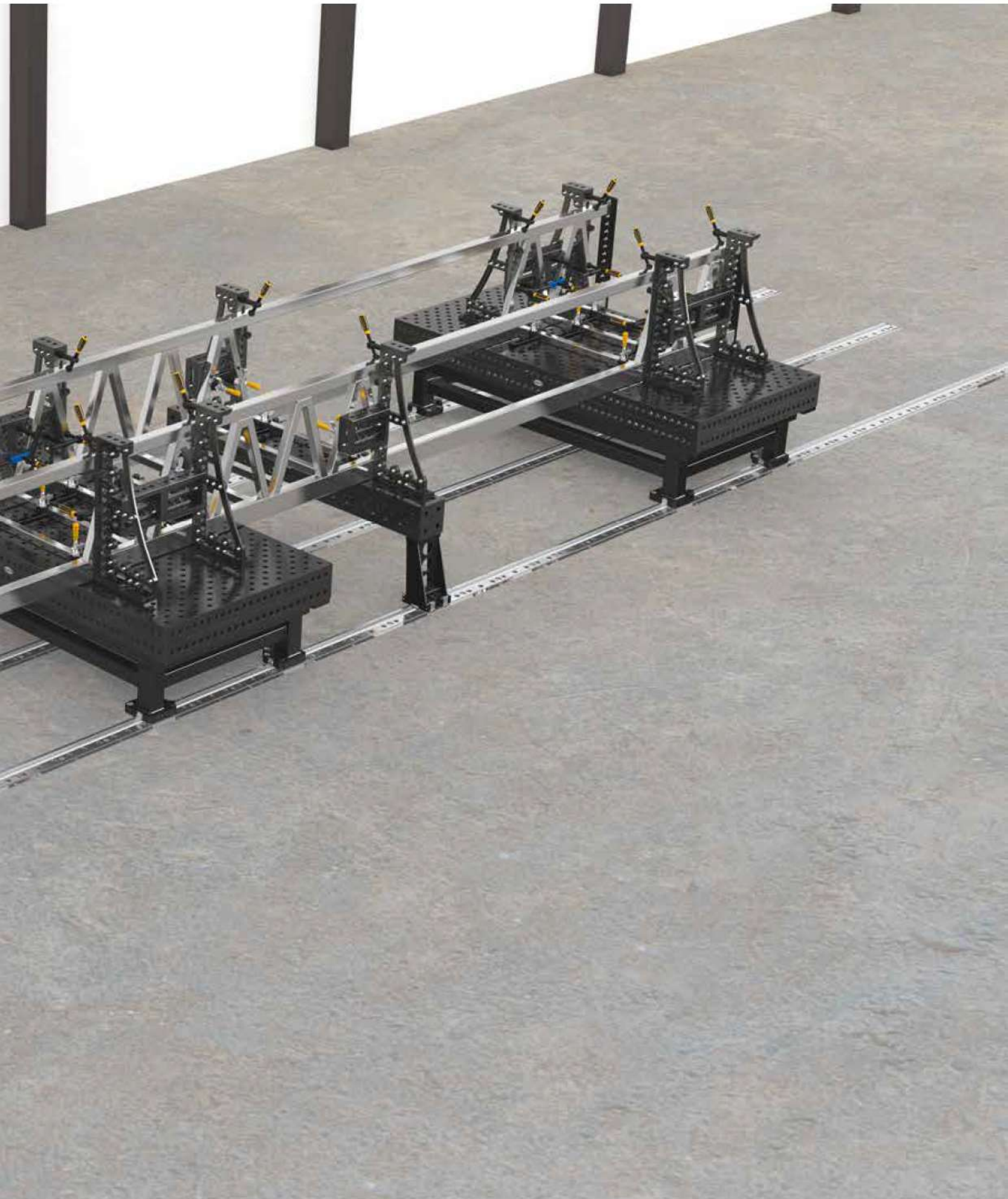


Please let our qualified team advise you, naturally also on-site.

Together we will come up with the perfect customized solution for the production of your support- and foundation rails.

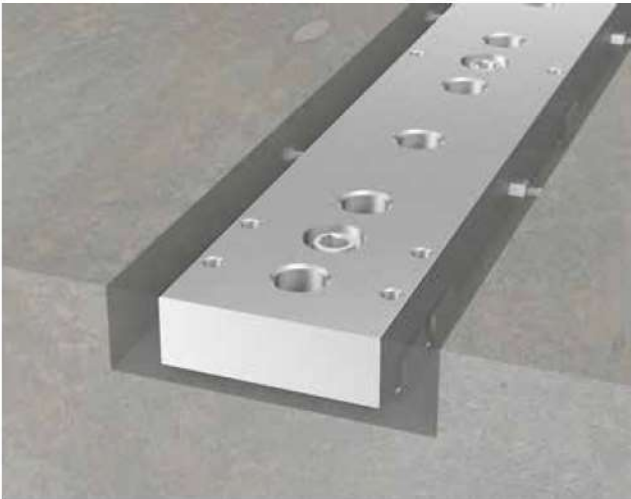
Certainly the industrial / occupational safety regulations will be followed.





Support- and Foundation Rail Underfloor / Above-floor

A SUPPORT- AND FOUNDATION RAIL UNDERFLOOR



B SUPPORT- AND FOUNDATION RAIL ABOVE-FLOOR



Description:

Support und Foundation Rail, suitable for setting up an extensive grid to work on large components.

By bolting or countersinking the foundation rails into the floor, structured work spaces with a multitude of clamping options are creating a safe, precise and efficient work environment.

To avoid infiltration of concrete in the bore holes, plastic caps are needed when the foundation rail is concreted. The steel cover prevents dirt from penetrating and can easily be removed with a Magnetic Bolt (Item No. 280740).

Delivery includes screw sets and base plates.

Special sizes upon request.



	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Support- and Foundation Rail 1000	1000 mm	120 mm	40 mm	38,00 kg	2-280230 ○
Support- and Foundation Rail 2000	2000 mm	120 mm	40 mm	75,00 kg	2-280231 ●
Support- and Foundation Rail 3000	3000 mm	120 mm	40 mm	113,00 kg	2-280232 ●
Support- and Foundation Rail 4000	4000 mm	120 mm	40 mm	150,00 kg	2-280233 ●
Support- and Foundation Rail 5000	5000 mm	120 mm	40 mm	187,00 kg	2-280234 ○
Additional sizes upon request					○

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

If installation is carried out by customer - spacer pins, long nuts with screws and dowels with screws - are not included in delivery.
If installation is carried out by supplier, the above-mentioned parts are included in installation price.



	Length: (a)	Width: (b)	Height: (c)	Ø: (o)	MS: (d)	Weight:	Item No.
Packing Plate - for Support and Foundation Rail - 4 pieces / 1 m rail	129 mm	35 mm	23 mm		3 mm	0,13 kg	2-280235.4 ●
Steel Cover / pack of 10 - for Support and Foundation Rail - protects drill holes from dirt - 10 pieces / 1 m rail			10 mm	28-31 mm		0,50 kg	2-280238.10 ●
Plastic Cap / pack of 10 - for Support and Foundation Rail - required with underfloor installation - 10 pieces / 1 m rail			17 mm	42 mm		0,08 kg	2-280239.10 ●
Installation Template - for Support and Foundation Rail - loaned against security deposit of 1,000 €, customer organizes and pays costs of back haul.	2100 mm	1100 mm	12 mm			56,00 kg	0-280237.1 ●
Positioning Bolt - to fix connecting frame on rail	90 mm			28 mm		0,53 kg	2-280541 ○

MS=Material thickness;

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

If installation is carried out by customer - spacer pins, long nuts with screws and dowels with screws - are not included in delivery.
If installation is carried out by supplier, the above-mentioned parts are included in installation price.

Round Rail

C ROUND RAIL



Description:

The Round Rail is suitable for working on larger objects.

The connecting frame with precision casters can be positioned quickly and smoothly on the firmly grounded Round Rails. As a result structured work spaces with a multitude of clamping options are created, ensuring a safe, precise and efficient work environment.

Special sizes upon request.

For positioning and fixing in a 100 mm grid we recommend the round rail in combination with the support- and foundation rail underfloor or above-floor (A or B).

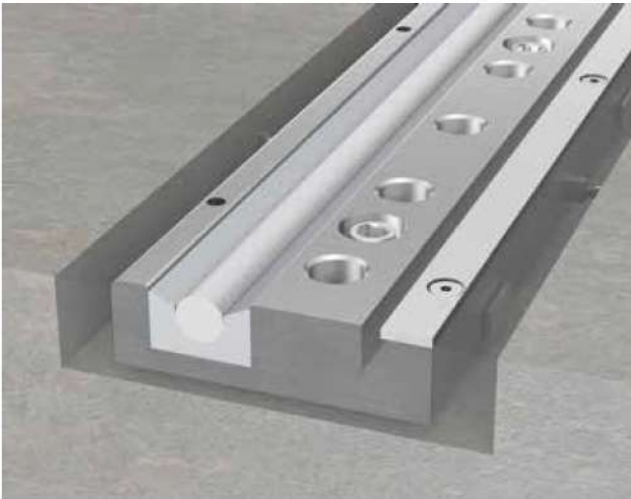


	Weight:	Item No.
Round Rail 25 - price per meter	6,00 kg	2-280240 ○
Cartridge Roller for Round Rail 25	1,14 kg	2-280245 ○
Mounting device based on effort		○

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

Support- and Foundation Rail with integrated round rail

D SUPPORT- AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL



Description:

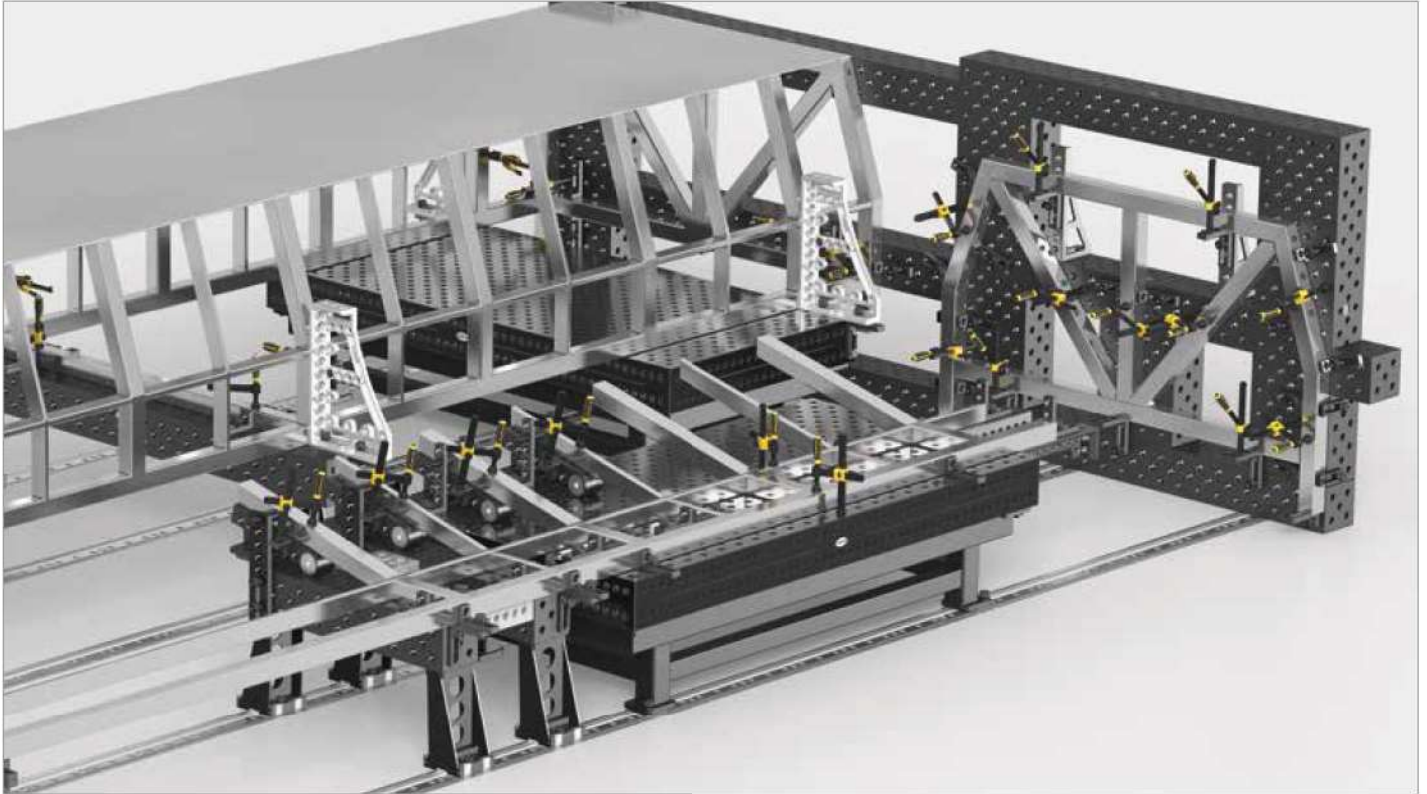
Support and Foundation Rail with integrated round rail is especially suitable for setting up an extensive grid to work on large components.

The connecting frame with rotating rim can be positioned quickly and infinitely on the annealed and smoothed round rail. The frame can be spaded in a 100 mm grid by using a positioning bolt.

After assembly plastic caps are required, when the foundation rail is being concreted. This is the only way to prevent concrete from penetrating the bore holes during the casting process. The steel cover stops dirt and can easily be removed with a Magnetic Clamping Bolt (Item No. 280740).

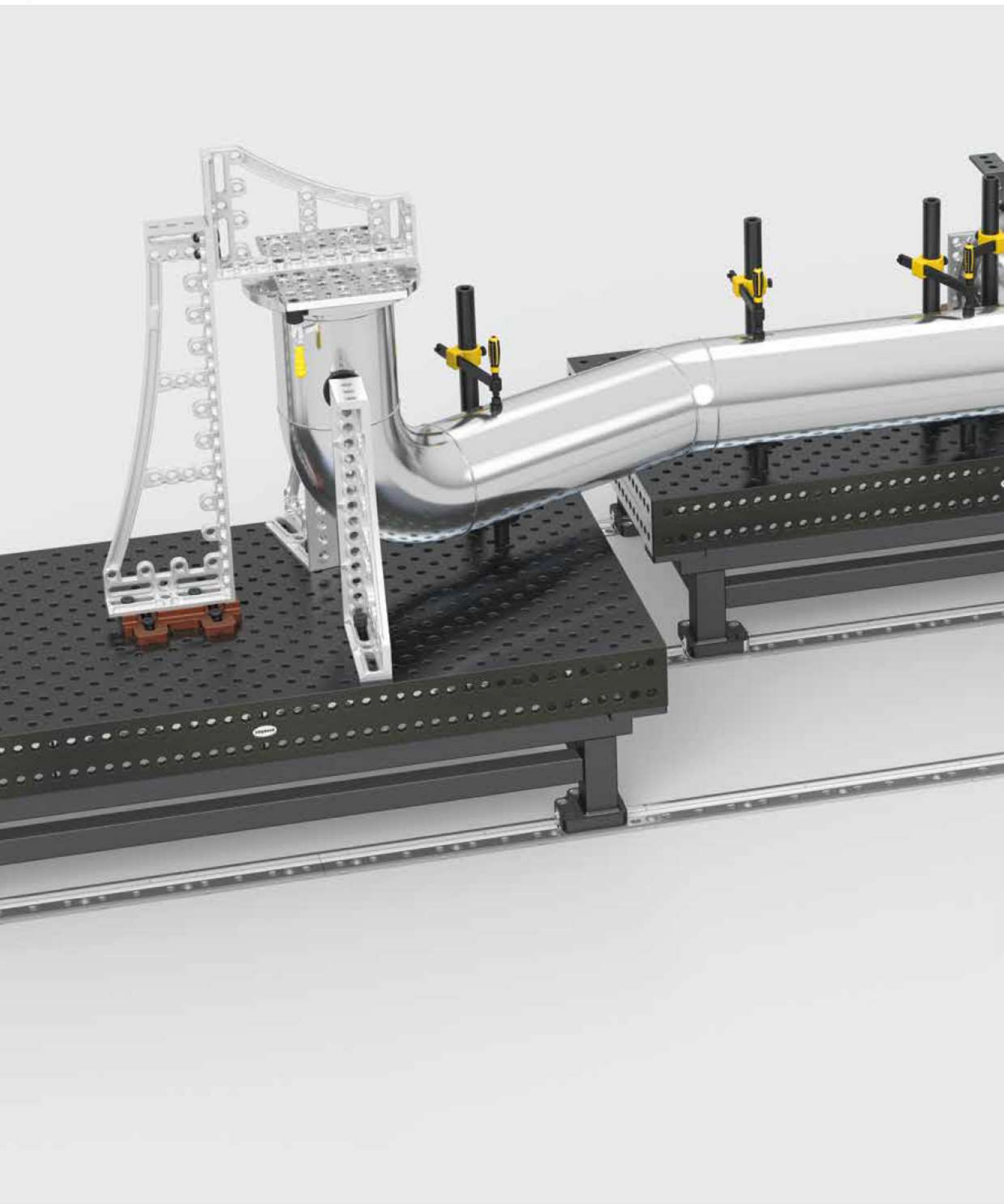
Included in delivery are screw sets and packing plates.

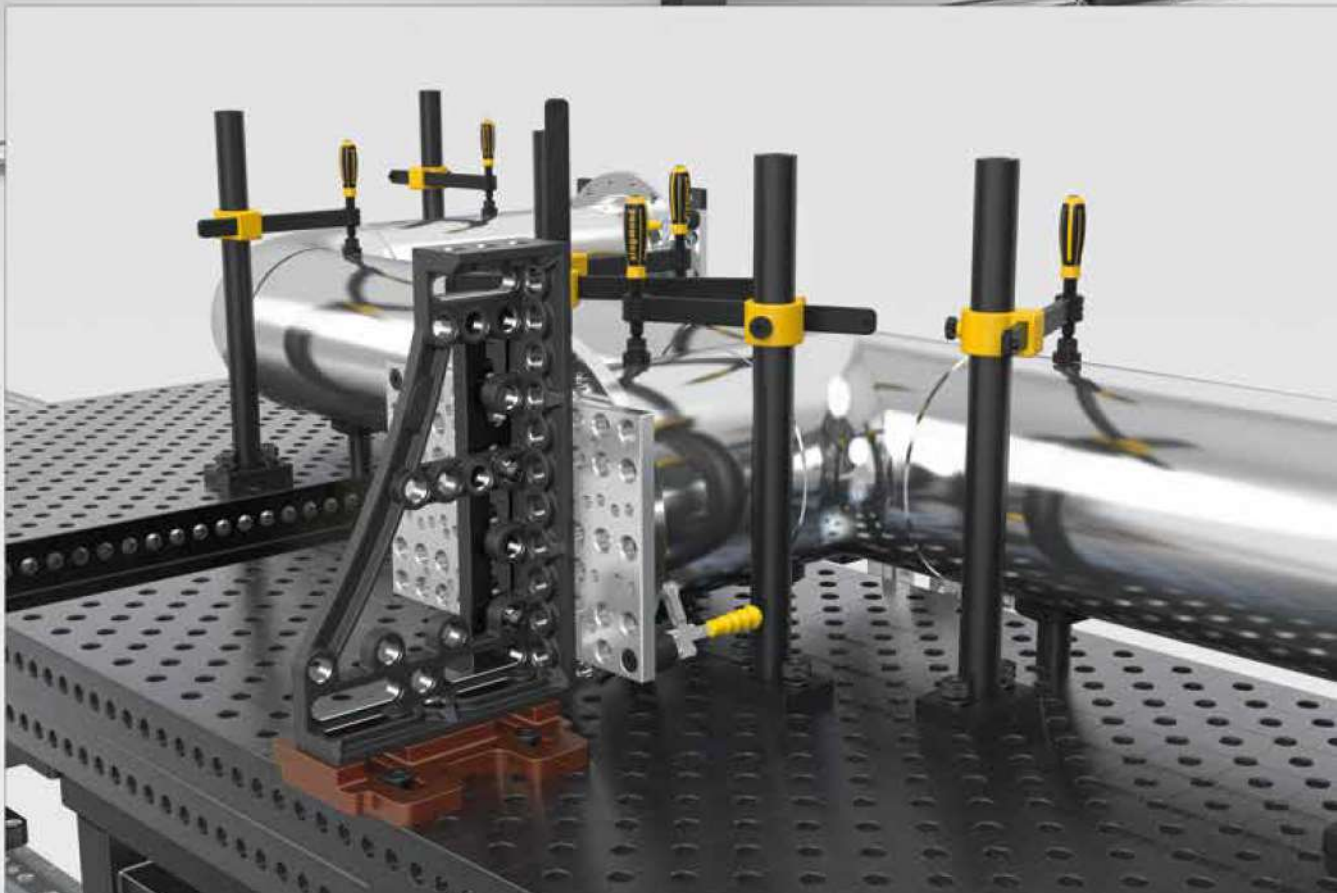
Special sizes upon request.



	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Support- and Foundation Rail 3000 - with integrated round rail	3000 mm	160 mm	40 mm	120,00 kg	2-280232.1.T1 ○
Support- and Foundation Rail 4000 - with integrated round rail	4000 mm	160 mm	40 mm	160,00 kg	2-280233.1.T1 ○
Stopper for rail end - upon request					○

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





Connecting frame overview



**CONNECTING FRAME
SIMPLE**

**CONNECTING FRAME
WITH CASTER**

FOR RAIL

for Rail option A / B / D

for Rail option B

A = Support- and Foundation Rail underfloor
 B = Support- and Foundation Rail above-floor
 D = Support- and Foundation Rail with integrated round rail

B = Support- and Foundation Rail above-floor

BEARING LOAD

based on customer requirements 2-10 metric tons
 (total bearing load depending on construction)

Casters bearing load 1.5 metric tons
 (total bearing load depending on construction)

**FIXATION /
STAKING OUT**

1 bolt per leg
 e.g. 280510

Positioning Bolt

STYLES

see page 188

see page 190

G



CONNECTING FRAME WITH CARTRIDGE ROLLER

for Rail option C

C = Round Rail

Casters bearing load 1.5 metric tons
(total bearing load depending on construction)

Locking Lever
only in connection with Support- and Foundation Rail
underfloor (A) or above-floor (B)

see page 190

H



CONNECTING FRAME WITH ROTATING RIM

for Rail option D

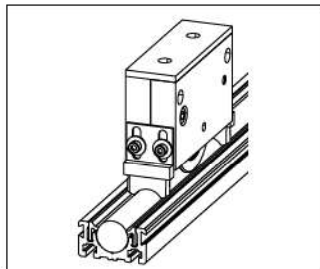
D = Support- and Foundation Rail with integrated round rail

Casters bearing load 1.5 metric tons
(total bearing load depending on construction)

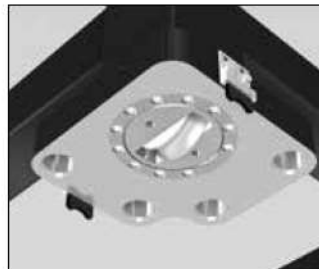
4x Positioning Bolt
280541 per Connecting Frame

see page 190

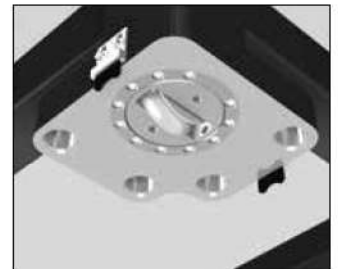
Detailed view Connecting Frame with round rail:



Bottom view Connecting Frame with rotation rim:



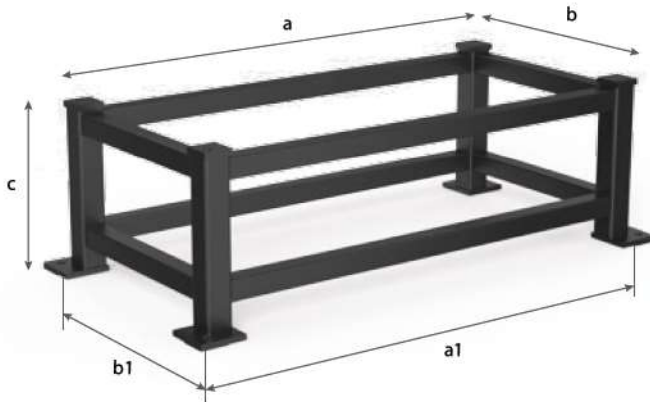
lengthways



across

Connecting Frame Basic

E CONNECTING FRAME BASIC



Description:

The Connecting Frame in combination with the table top can be randomly positioned on the foundation rails. By cross-linking several connecting frames and foundation rails, extremely large objects can be handled efficiently. The use of square pipes in the design of the Connecting Frame ensures stability and high quality.

The base plate is used without foundation rails.

<- (Item No. 280883)

To connect tables with a Connecting Frame a Countersunk Bolt short (Item No. 280528) is required. It is not included in delivery and has to be ordered separately.



CONNECTING FRAME (E) FOR

SUPPORT- AND FOUNDATION RAIL UNDERFLOOR (A)



CONNECTING FRAME (E) FOR

SUPPORT- AND FOUNDATION RAIL ABOVE-FLOOR (B)



CONNECTING FRAME (E) FOR

SUPPORT- AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL (D)

E

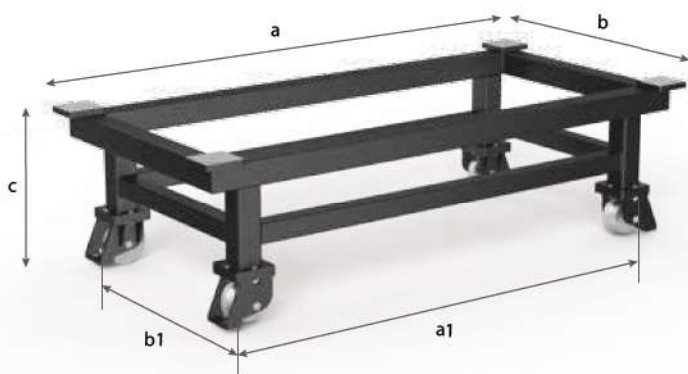
	Length: (a)	Width: (b)	Height: (c)	Ø: (o)	Length: (a1)	Width: (b1)	Weight:	Item No.
Connecting Frame - for Work Table 280010 - table size 1000x1000x200	1100 mm	1100 mm	650 mm		1000 mm	1000 mm	94,00 kg	2-280881 ○
Connecting Frame - for Work Table 280025 - table size 1200x800x200	1170 mm	800 mm	650 mm		1000 mm	700 mm	91,00 kg	2-280891 ○
Connecting Frame - for Work Table 280015 - table size 1200x1200x200	1190 mm	1190 mm	650 mm		1000 mm	1000 mm	106,00 kg	2-280882 ○
Connecting Frame - for Work Table 280035 - table size 1500x1000x200	1600 mm	1100 mm	650 mm		1500 mm	1000 mm	114,00 kg	2-280885 ○
Connecting Frame - for Work Table 280050 - table size 1500x1500x200	1580 mm	1490 mm	650 mm		1500 mm	1000 mm	125,00 kg	2-280887 ○
Connecting Frame - for Work Table 280020 - table size 2000x1000x200	2100 mm	1100 mm	650 mm		2000 mm	1000 mm	138,00 kg	2-280883 ○
Connecting Frame - for Work Table 280060 - table size 2000x1200x200	2100 mm	1200 mm	650 mm		2000 mm	1000 mm	150,00 kg	2-280893 ○
Connecting Frame - for Work Table 280045 - table size 2000x2000x200	2100 mm	2100 mm	650 mm		2000 mm	2000 mm	164,00 kg	2-280889 ○
Connecting Frame - for Work Table 280030 - table size 2400x1200x200	2380 mm	1180 mm	650 mm		2000 mm	1000 mm	150,00 kg	2-280884 ○
Connecting Frame - for Work Table 280040 - table size 3000x1500x200	3090 mm	1590 mm	650 mm		3000 mm	1500 mm	231,00 kg	2-280886 ○
Connecting Frame - for Work Table 280055 - table size 4000x2000x200	4050 mm	2060 mm	650 mm		4000 mm	2000 mm	305,00 kg	2-280888 ○
Additional sizes upon request								○
Base Plate - for connecting frame - 50 mm vernier adjustment - M24x1.5 thread for vernier adjustment			130 mm	90 mm			1,00 kg	2-280855.X ●

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

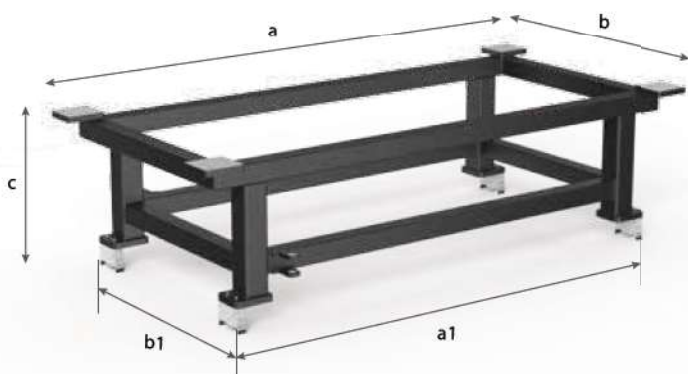
Surcharges can be incurred for deviations from standard.

Connecting Frame with caster / with Cartridge Roller / with rotating rim

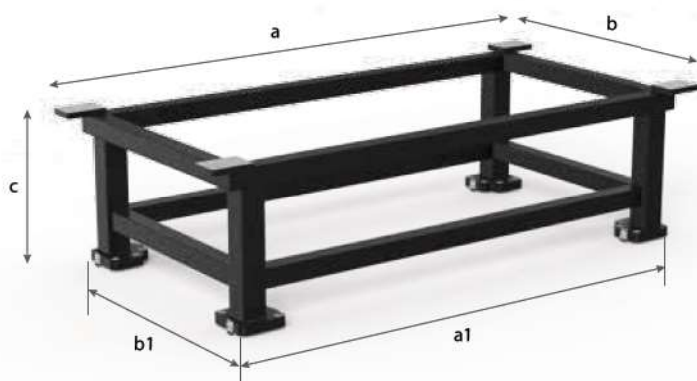
F CONNECTING FRAME WITH CASTER



G CONNECTING FRAME WITH CARTRIDGE ROLLER



H CONNECTING FRAME WITH ROTATING RIM



Description:

The connecting frame is also available with matching casters for the individual rail variations, enabling more flexibility of movement and positioning. The connecting frame is constructed of square tubing, ensuring its stability and high quality.

The connecting frame with caster is used in combination with the support and foundation rail above-ground. It is fastened with a locking lever.

The connecting frame with cartridge roller is especially adapted to be used on the round rail. A locking lever fastens the connecting frame.

The connecting frame with rotation rim is used in combination with the support and foundation rail with integrated round rail. A positioning bolt fastens the connecting frame with rotation rim on the rail.

To connect tables with a Connecting Frame a Countersunk Bolt short (Item No. 280528) is required. It is not included in delivery and has to be ordered separately.



CONNECTING FRAME (F) FOR

SUPPORT- AND FOUNDATION RAIL ABOVE-FLOOR (B)



CONNECTING FRAME (G) FOR

SUPPORT- AND FOUNDATION RAIL WITH ROUND RAIL (C)



CONNECTING FRAME (H) FOR

SUPPORT- AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL (D)

F	Caster:	Length: (a)	Width: (b)	Height: (c)	Length: (a1)	Width: (b1)	Weight:	Item No.
Connecting Frame with caster - for Work Table 280020 - table size 2000x1000x200	4	2100 mm	1100 mm	650 mm	2000 mm	1000 mm	138,00 kg	2-280883.1 ○
Connecting Frame with caster - for Work Table 280030 - table size 2400x1200x200	4	2380 mm	1180 mm	650 mm	2000 mm	1000 mm	150,00 kg	2-280884.1 ○
Connecting Frame with caster - for Work Table 280040 - table size 3000x1500x200	6	3090 mm	1590 mm	650 mm	3000 mm	1500 mm	231,00 kg	2-280886.1 ○
Additional sizes upon request								○

Surcharges can be incurred for deviations from standard.

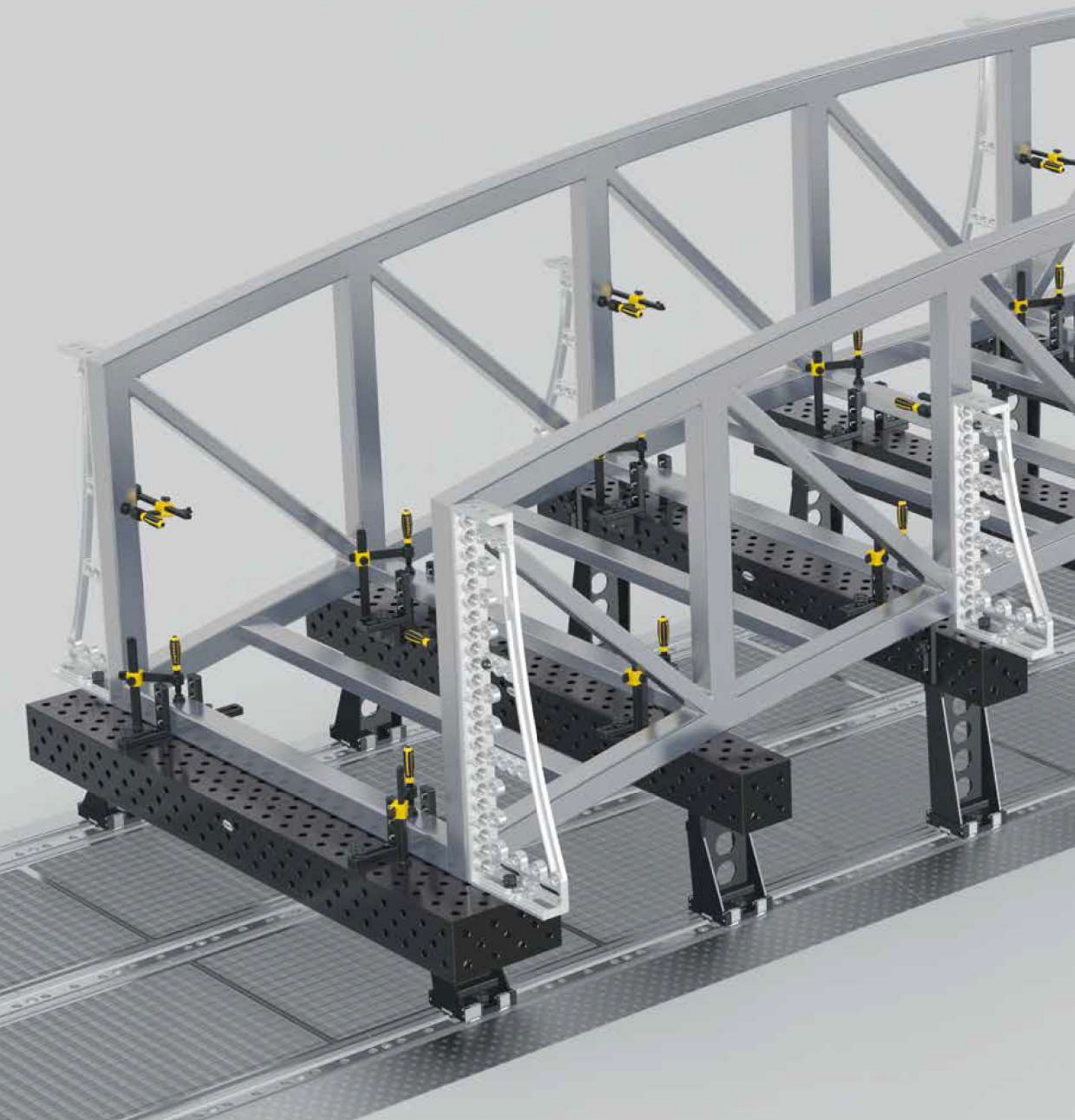
G	Caster:	Length: (a)	Width: (b)	Height: (c)	Length: (a1)	Width: (b1)	Weight:	Item No.
Connecting Frame with Cartridge Roller - for Work Table 280020 - table size 2000x1000x200	4	2100 mm	1100 mm	650 mm	2000 mm	1000 mm	138,00 kg	2-280883.2 ○
Connecting Frame with Cartridge Roller - for Work Table 280030 - table size 2400x1200x200	4	2380 mm	1180 mm	650 mm	2000 mm	1000 mm	150,00 kg	2-280884.2 ○
Connecting Frame with Cartridge Roller - for Work Table 280040 - table size 3000x1500x200	6	3090 mm	1590 mm	650 mm	3000 mm	1500 mm	231,00 kg	2-280886.2 ○
Additional sizes upon request								○

Surcharges can be incurred for deviations from standard.

H	Caster:	Length: (a)	Width: (b)	Height: (c)	Length: (a1)	Width: (b1)	Weight:	Item No.
Connecting Frame with rotating rim - for Work Table 280020 - table size 2000x1000x200	4	2100 mm	1100 mm	650 mm	2000 mm	1000 mm	138,00 kg	2-280883.3 ○
Connecting Frame with rotating rim - for Work Table 280030 - table size 2400x1200x200	4	2380 mm	1180 mm	650 mm	2000 mm	1000 mm	150,00 kg	2-280884.3 ○
Connecting Frame with rotating rim - for Work Table 280040 - table size 3000x1500x200	6	3090 mm	1590 mm	650 mm	3000 mm	1500 mm	231,00 kg	2-280886.3 ○
Additional sizes upon request								○

Surcharges can be incurred for deviations from standard.

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



Leg for U-Square overview

I



K



NEW

**LEG FOR U-SQUARE
SIMPLE**

**LEG FOR U-SQUARE
WITH CASTER**

FOR RAIL

for Rail option A / B / D

for Rail option B

A = Support- and Foundation Rail underfloor
 B = Support- and Foundation Rail above-floor
 D = Support- and Foundation Rail with integrated round rail

B = Support- and Foundation Rail above-floor

TILT PROTECTION

without tilt protection*1
 simple positioning bolt is not permitted

Tilt protection required*2
 (customer specific)

BEARING LOAD

2 metric tons per leg

maximum statistical load per leg 2 metric tons

**FIXATION /
STAKING OUT**

2x Bolts
 e.g. 280510 per leg for U-Square standard

2x Bolts long
 e.g. 280512 per leg for U-Square with caster

STYLES

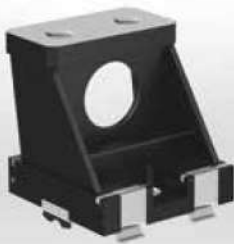
see page 196

see page 198



*1 Protection by crane or other lifting equipment required when moving.
 *2 Tilt protection designed by moving without extra load. Maximum design height 850 mm.

L



NEW

**LEG FOR U-SQUARE
WITH INSERTED ROLLER**

for Rail option C / D

- C = Round Rail
- D = Support- and Foundation Rail with integrated round rail

Tilt protection required*2
(customer specific)

maximum statistical load per leg 2 metric tons

1x Bolt
e.g. 280510 per leg for U-Square with profile roller

see page 198



M



CLAMPING BRIDGE

for Rail option A / B / D

- A = Support- and Foundation Rail underfloor
- B = Support- and Foundation Rail above-floor
- D = Support- and Foundation Rail with integrated round rail

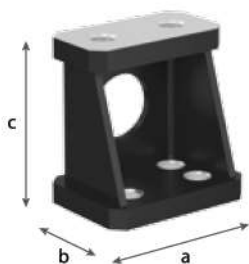
without tilt protection*1
simple positioning bolt is not permitted

2x2 Bolts
e.g. 280510 per Clamping Bridge

see page 200

Leg for U-Square Basic

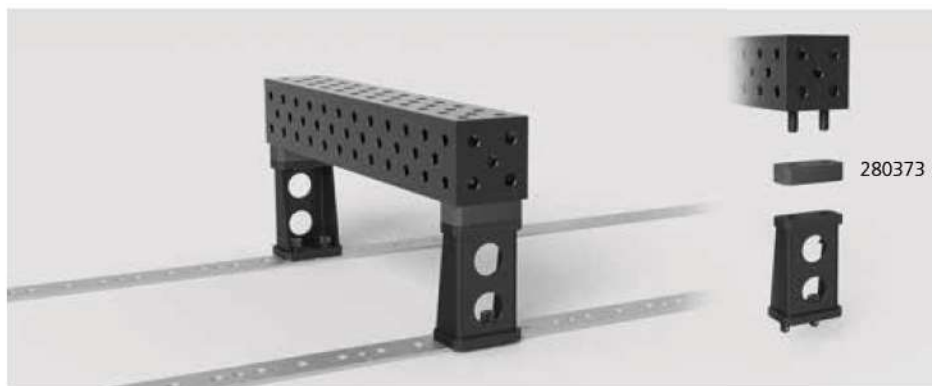
LEG FOR U-SQUARE BASIC



Description:

Leg, connects U-profiles with the rail system, therefore enabling a multitude of configurations. By attaching the Leg using bolts to the foundation rails, quick and precise positioning is ensured in order to structure complex jobs efficiently.

Spacer (Item No. 280373) can only be connected with a leg for U-profile squares, by applying Connecting Bolt 100 mm (Item No. 280562).





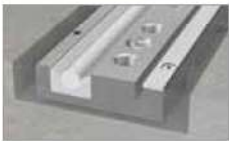
LEG FOR U-SQUARE (I) FOR

SUPPORT- AND FOUNDATION RAIL UNDERFLOOR (A)



LEG FOR U-SQUARE (I) FOR

SUPPORT- AND FOUNDATION RAIL ABOVE-FLOOR (B)



LEG FOR U-SQUARE (I) FOR

SUPPORT- AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL (D)



280371



280371.1



280371.2



280371.3



280371.4



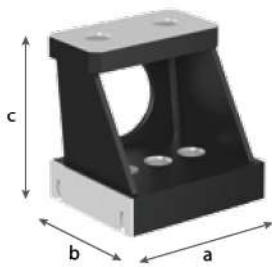
280373

	Length: (a)	Width: (b)	Height: (c)	Ø: (o)	Weight:	Item No.
Leg basic 200 - for Square U-shape	195 mm	140 mm	200 mm		11,60 kg	2-280371 ○
Leg basic 300 - for Square U-shape	195 mm	140 mm	300 mm		13,80 kg	2-280371.1 ○
Leg basic 400 - for Square U-shape	195 mm	140 mm	400 mm		16,00 kg	2-280371.2 ○
Leg basic 500 - for Square U-shape	195 mm	140 mm	500 mm		18,50 kg	2-280371.3 ○
Leg basic 650 - for Square U-shape	195 mm	140 mm	650 mm		21,70 kg	2-280371.4 ○
Spacer 50 mm - for Square U-shape	190 mm	100 mm	50 mm	28 mm	6,70 kg	2-280373 ○
Additional sizes upon request						○

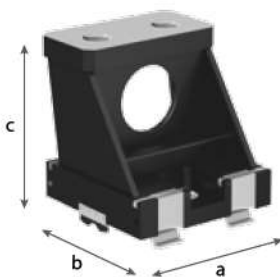
● = Stock item / ○ = Item is made to order

Leg for U-Square with caster / with inserted roller

K LEG FOR U-SQUARE WITH CASTER



L LEG FOR U-SQUARE WITH INSERTED ROLLER



Description:

Leg for U-shape square with caster connects the square with the support and foundation rail above-ground. Due to the caster the square can be moved freely on the rail system. The Leg with caster is additionally equipped with tilt protection.

The desired work position can be achieved by fastening the Leg with bolts, enabling efficient structuring of complex work procedures.

Leg for U-shape square with inserted roller connects the square with the support and foundation rail with integrated round rail. Due to the caster the square can be moved freely on the rail system. The Leg with inserted roller is additionally equipped with tilt protection.

The desired work position can be achieved by fastening the Leg with bolts, enabling efficient structuring of complex work procedures.



LEG FOR U-SQUARE (K) FOR

SUPPORT- AND FOUNDATION RAIL ABOVE-FLOOR (B)



LEG FOR U-SQUARE (L) FOR

SUPPORT- AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL (D)



	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Leg with Caster 200 - for Square U-shape	190 mm	190 mm	200 mm	13,40 kg	2-28002756 ○
Leg with Caster 300 - for Square U-shape	190 mm	190 mm	300 mm	16,00 kg	2-28002757 ○
Leg with Caster 400 - for Square U-shape	190 mm	190 mm	400 mm	18,00 kg	2-28002758 ○
Leg with Caster 500 - for Square U-shape	190 mm	190 mm	500 mm	20,00 kg	2-28002759 ○
Leg with Caster 650 - for Square U-shape	190 mm	190 mm	650 mm	23,00 kg	2-28002760 ○
Additional sizes upon request					○

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

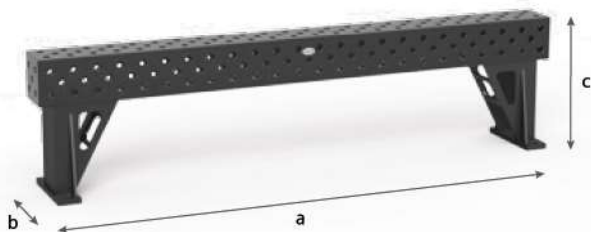


	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Leg with inserted roller 200 - for Square U-shape	190 mm	190 mm	200 mm	15,00 kg	2-280372 ○
Leg with inserted roller 300 - for Square U-shape	190 mm	190 mm	300 mm	17,00 kg	2-280372.1 ○
Leg with inserted roller 400 - for Square U-shape	190 mm	190 mm	400 mm	19,00 kg	2-280372.2 ○
Leg with inserted roller 500 - for Square U-shape	190 mm	190 mm	500 mm	21,00 kg	2-280372.3 ○
Leg with inserted roller 650 - for Square U-shape	190 mm	190 mm	650 mm	24,00 kg	2-280372.4 ○
Additional sizes upon request					○

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

Clamping Bridge

M CLAMPING BRIDGE



Description:

The Clamping Bridge serves as an additional fixing element for rail systems. The spacing of the bore holes on the bottom is aligned with the foundation rail width of 1000 or 2000 mm. More information regarding special sizes is available upon request.

The borehole grids are compatible with the U-Shape Squares.



CLAMPING BRIDGE (M) FOR
SUPPORT- AND FOUNDATION RAIL UNDERFLOOR (A)



CLAMPING BRIDGE (M) FOR
SUPPORT- AND FOUNDATION RAIL ABOVE-FLOOR (B)



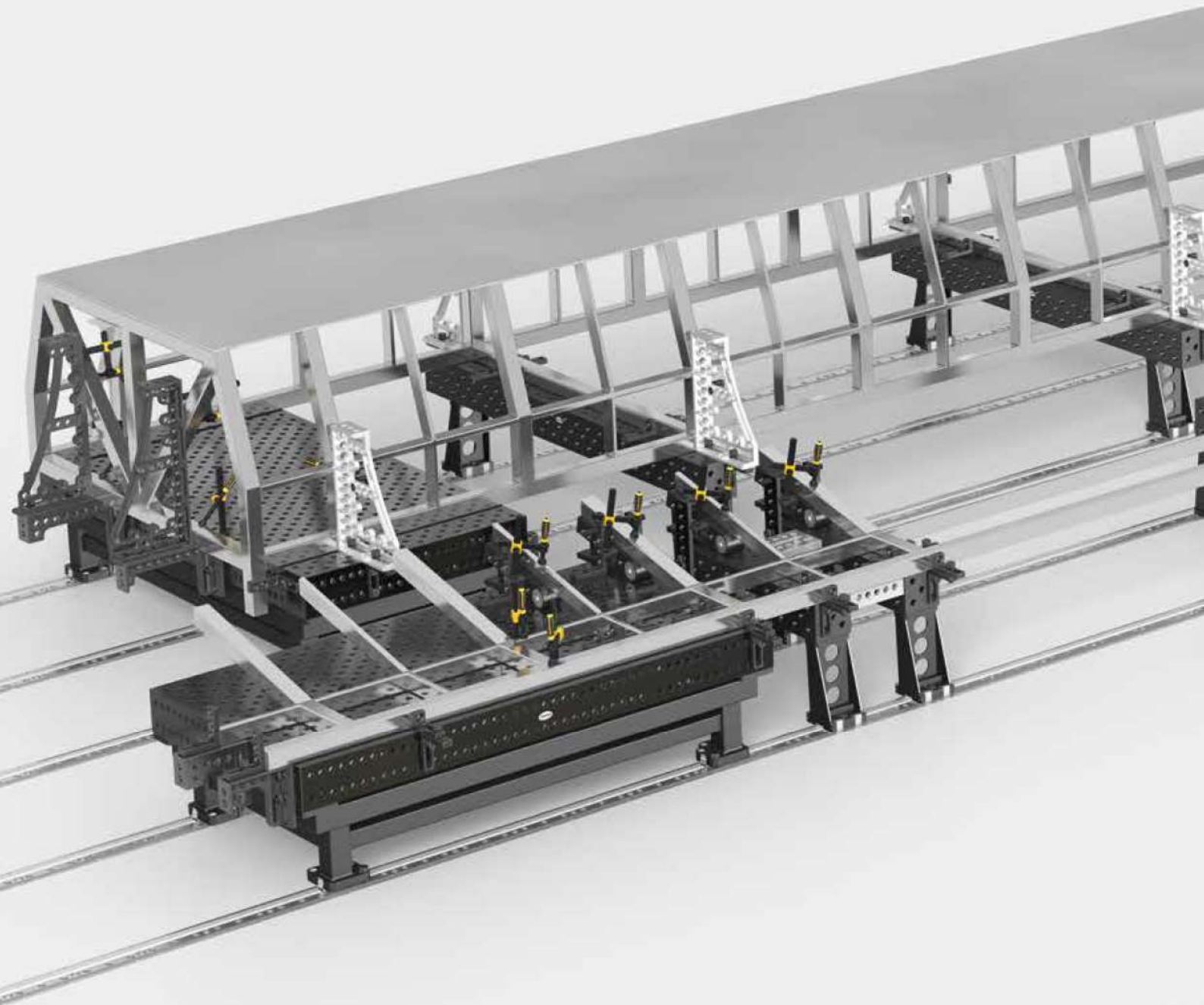
CLAMPING BRIDGE (M) FOR
SUPPORT- AND FOUNDATION RAIL WITH INTEGRATED ROUND RAIL (D)

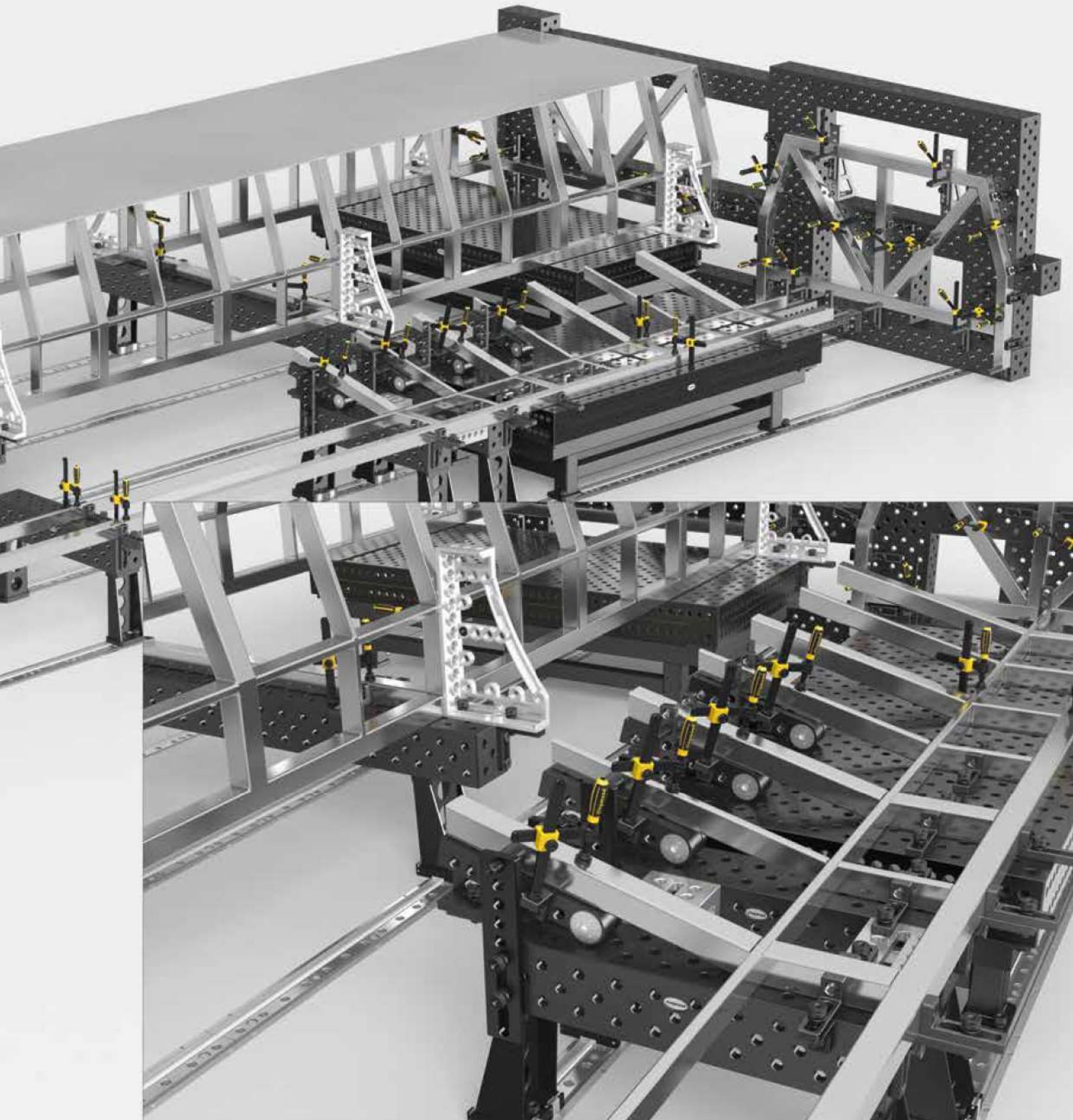


	Length: (a)	Width: (b)	Height: (c)	Weight:	Item No.
Clamping Bridge 1200 - for rail systems	1200 mm	300 mm	600 mm	205,00 kg	2-280375 ○
Clamping Bridge 2400 - for rail systems	2400 mm	300 mm	600 mm	375,00 kg	2-280375.1 ○
Additional sizes upon request					○

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

Please consider track width.







		A	B	C	D
		SUPPORT AND FOUNDATION RAIL		ROUND RAIL	SUPPORT AND FOUNDATION RAIL
OPTIONS		UNDERGROUND	ABOVE GROUND	(recommended in connection with Support- and Foundation Rail underfloor or above-floor)	WITH INTEGRATED ROUND RAIL
E		●	●	○	●
NEW F		○	●	○	○
G		○	○	●	○
NEW H		○	○	○	●
I		●	●	○	●
NEW K		○	●	○	○
NEW L		○	○	○	●
M		●	●	○	●

● = compatible
○ = incompatible



From consultation to implementation

YOU HAVE A LARGE PROJECT AND NEED
SUPPORT WITH IMPLEMENTATION?

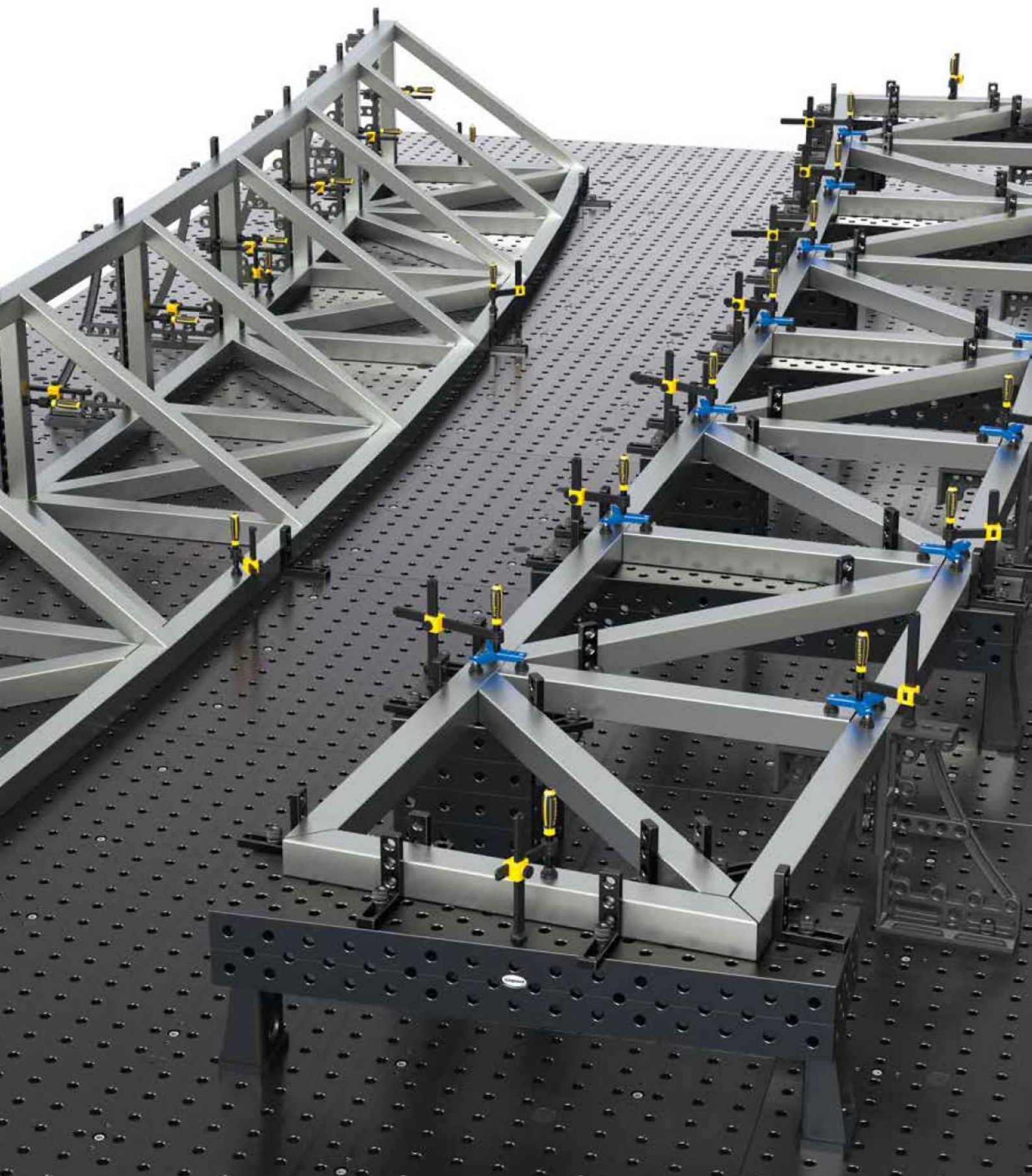
> Individual consultation
by our experts

> Customer specific
solutions

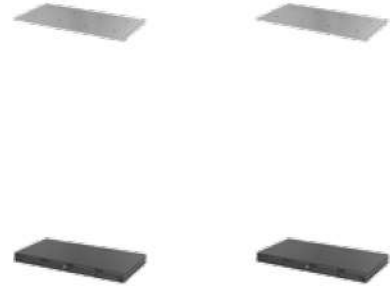
> Top quality of
each component

> Installation-Service
for your rail system

> We look forward to help you
materialize your project!



	Page
Siegmund Platform System	208
Platform options diagram	210
Comparison Platform Systems A / B	212
Comparison Platform Systems C / D	214
Application Example	216
Platform System Tables E / F	218
Platform System Panels G / H	220
Platform System Accessories	222
Overview	224



Large components - simple and precise clamping

To meet the constantly growing challenges, and to always be one step ahead of the competition in regards to flexibility and precision, we have specifically developed a platform system for you. It can be assembled to create a structured and precise workspace of any size. It is precisely aligned during the installation process by using state-of-the-art 3D laser technology. The resulting level space is equipped with a grid with boreholes and gridlines, substantially simplifying working with large and heavy components. Siegmond clamping devices offer a multitude of clamping options, preparing you for all future challenges.

The platforms can be installed underfloor as well as above-floor.

To create more workspace, the platform system with tables can be enlarged in the future.



PLATFORM INDIVIDUALLY DESIGNED

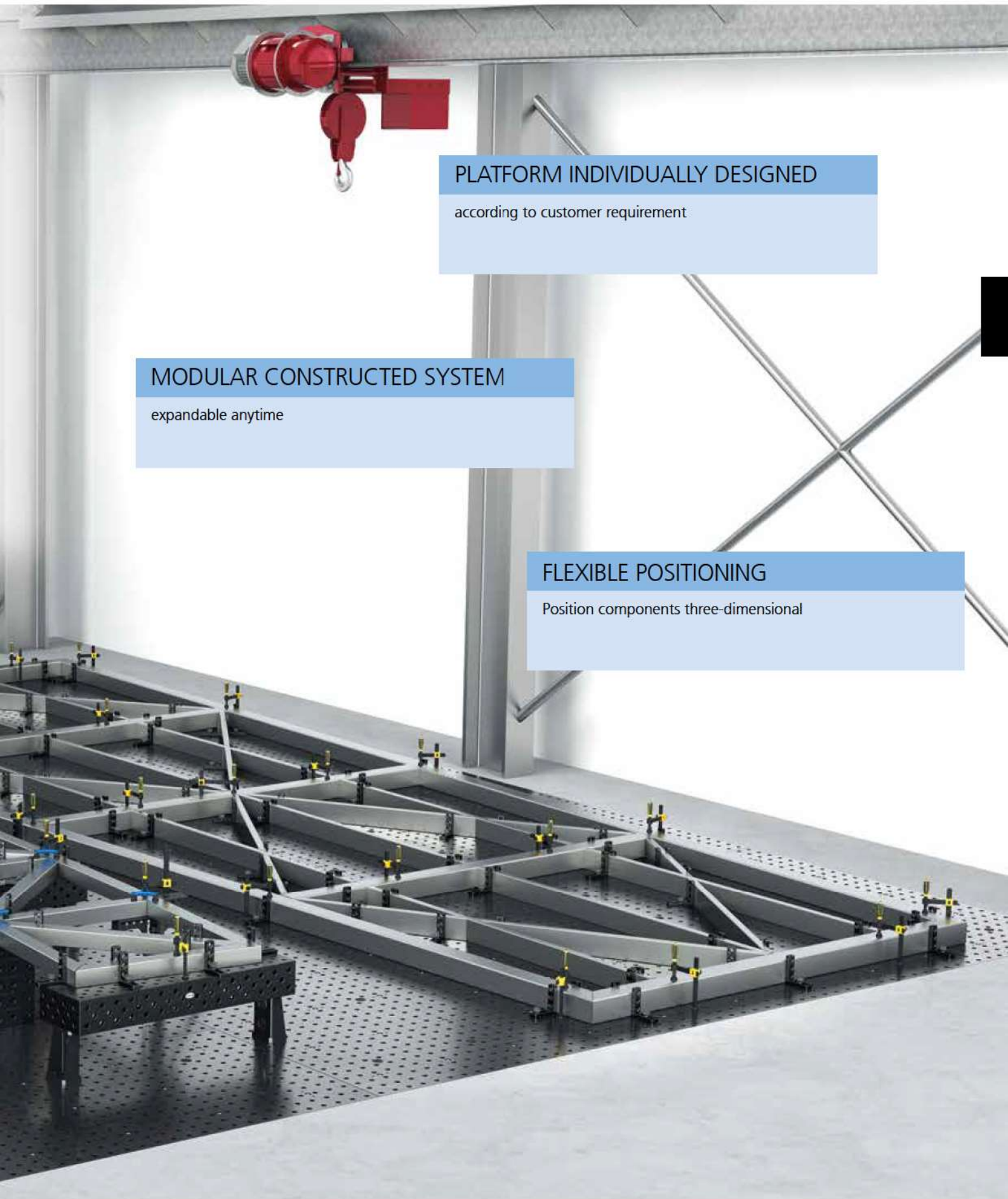
according to customer requirement

MODULAR CONSTRUCTED SYSTEM



expandable anytime

FLEXIBLE POSITIONING

Position components three-dimensional



Platform options diagram

	A	B
		
	TABLE WITH LEGS ABOVE-FLOOR	TABLES WITH ADJUSTABLE LEGS ABOVE-FLOOR
INSTALLATION OPTIONS	Above-floor	Above-floor
ADVANTAGES	<ul style="list-style-type: none"> • structured workspace with many clamping options • precise positioning of clamping elements • easy to expand with system tables 	<ul style="list-style-type: none"> • structured workspace with many clamping options • precise positioning of clamping elements • sturdy table legs are adjustable from above • Table legs can be anchored to the floor (special construction)
RECOMMENDATION TABLE SIZE/PANEL SIZE	2,000x1,000 mm up to 4,000x2,000 mm	2,000x1,000 mm up to 4,000x2,000 mm
HEIGHT	Table side height 100-200 mm	Table side height 100-200 mm
PLATFORM HEIGHT	table side height + table leg height 100-800 mm + adjustment range	Table side height + adjustment range 50-100 mm
CLAMPING ELEMENTS	all Siegmund clamping elements	all Siegmund clamping elements
GRID	100 mm grid or special equipment see page 219	100 mm grid or special equipment see page 219
STYLES	see page 218	see page 218

Also possible with other borehole sizes (e.g. 16 mm) and thread sizes (e.g. M8).

C



D



**PANELS
ABOVE-FLOOR**

Above-floor

- structured workspace with many clamping options
- precise positioning of clamping elements
- less expensive option

2,000x1,000 mm up to 3,000x1,500 mm

Floor panel thickness \geq 25 mm

Floor panel thickness + adjustment range 0-40 mm

all Siegmund clamping elements

100 mm grid or
special equipment see page 221

see page 220

**PANELS
UNDERFLOOR**

Underfloor

- structured workspace with many clamping options
- precise positioning of clamping elements
- extremely high stability is achieved by concreting after installation
- recommended for high superimposed loads based on extremely high stability

2,000x1,000 mm up to 3,000x1,500 mm

Floor panel thickness \geq 35 mm

ground-level

all Siegmund clamping elements

100 mm grid or
special equipment see page 221

see page 220

Comparison Platform Systems



A

TABLES
ABOVE-FLOOR



A

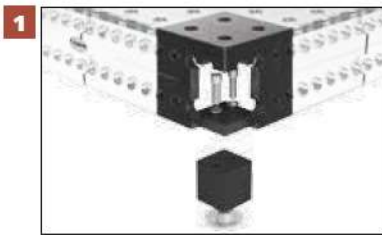


TABLE LEGS

For Platform System A table legs from the Siegmund System are used.

We recommend a minimum table leg height of 100 mm up to 800 mm.

Further table leg heights upon request.

A

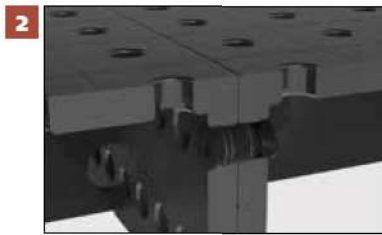


TABLE CONNECTION

If accessible, the tables are connected with Connecting Bolts (Item No. 280560).

A+B



COVER CAP TOP

To avoid grime, the bore holes can be closed with cover caps (Item No. 280238.1, 280238.2).



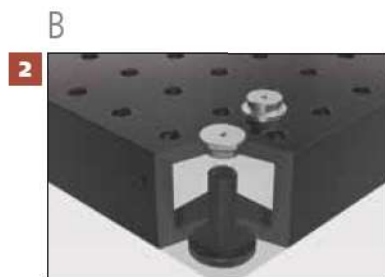
B TABLES
ABOVE-FLOOR



HEIGHT ADJUSTMENT

The assembly bore hole enables access to the base plate, where the leg for the Platform System is screwed onto.

Aided by special tools the height is precisely aligned and secured with a locknut.



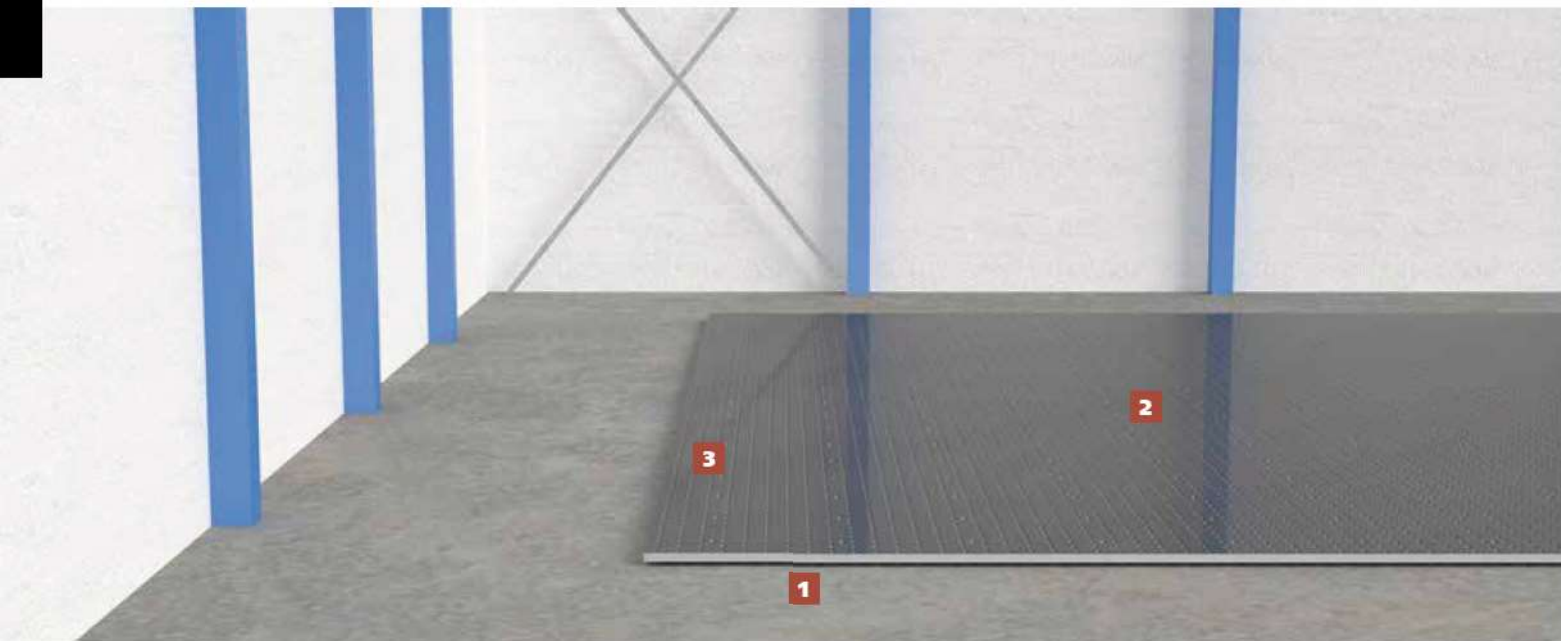
COVER CAP FOR LEG ADJUSTMENT

To avoid grime, we recommend closing the bore holes with cover caps (Item No. 28002673).

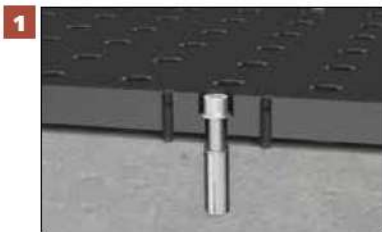
Comparison Platform Systems



C
PANELS
ABOVE GROUND



C+D

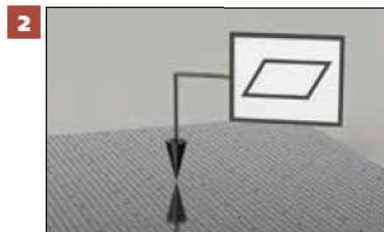


FLOOR ANCHORING

Platform C is aligned with setscrews through special thread holes.

The platform is anchored and bolted in the floor with dowels.

C+D



INSTALLATION

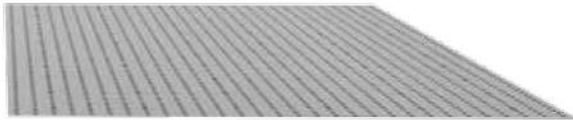
By symmetrically arranging the adjustments precise levelness is achieved.

C+D

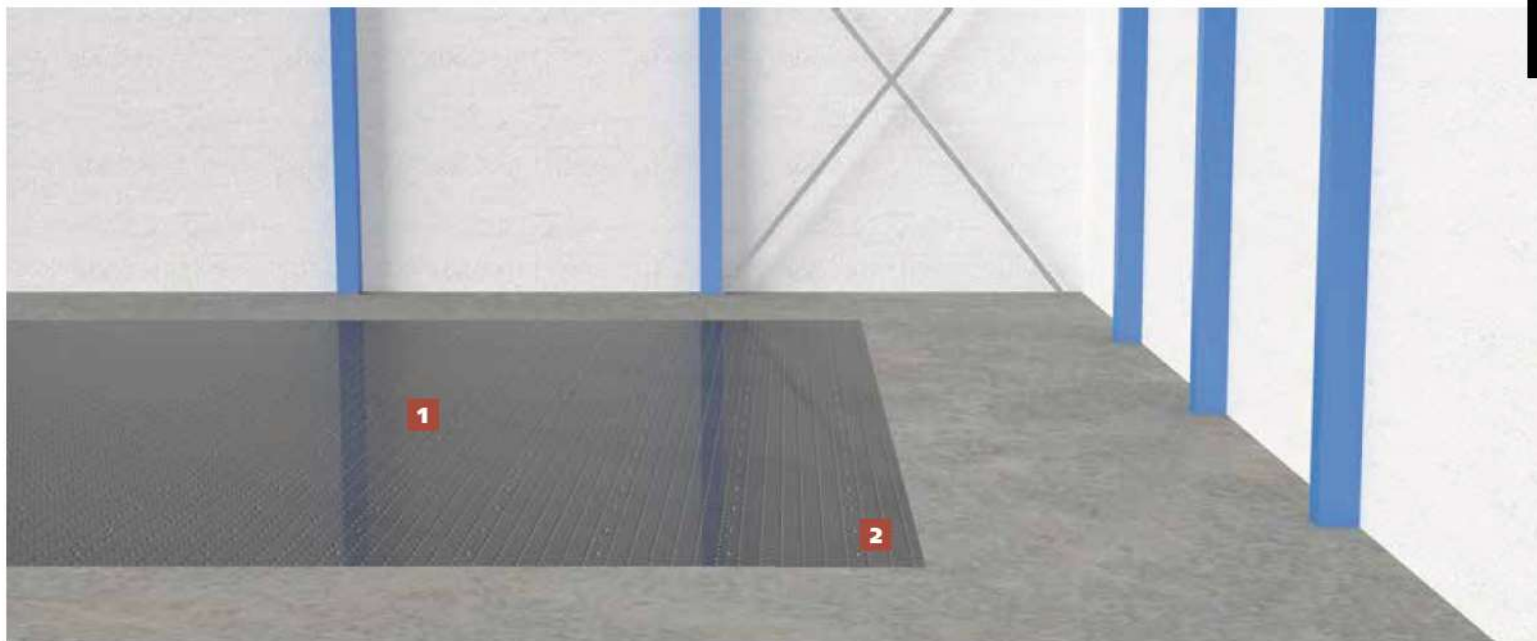


COVER CAPS TOP

To avoid grime, the bore holes can be closed with cover caps (Item No. 280238.1, 280238.2).



D PANELS
UNDERGROUND



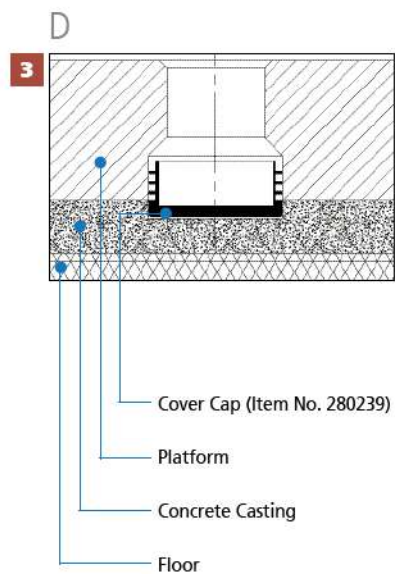
COVER CAPS TOP + BOTTOM

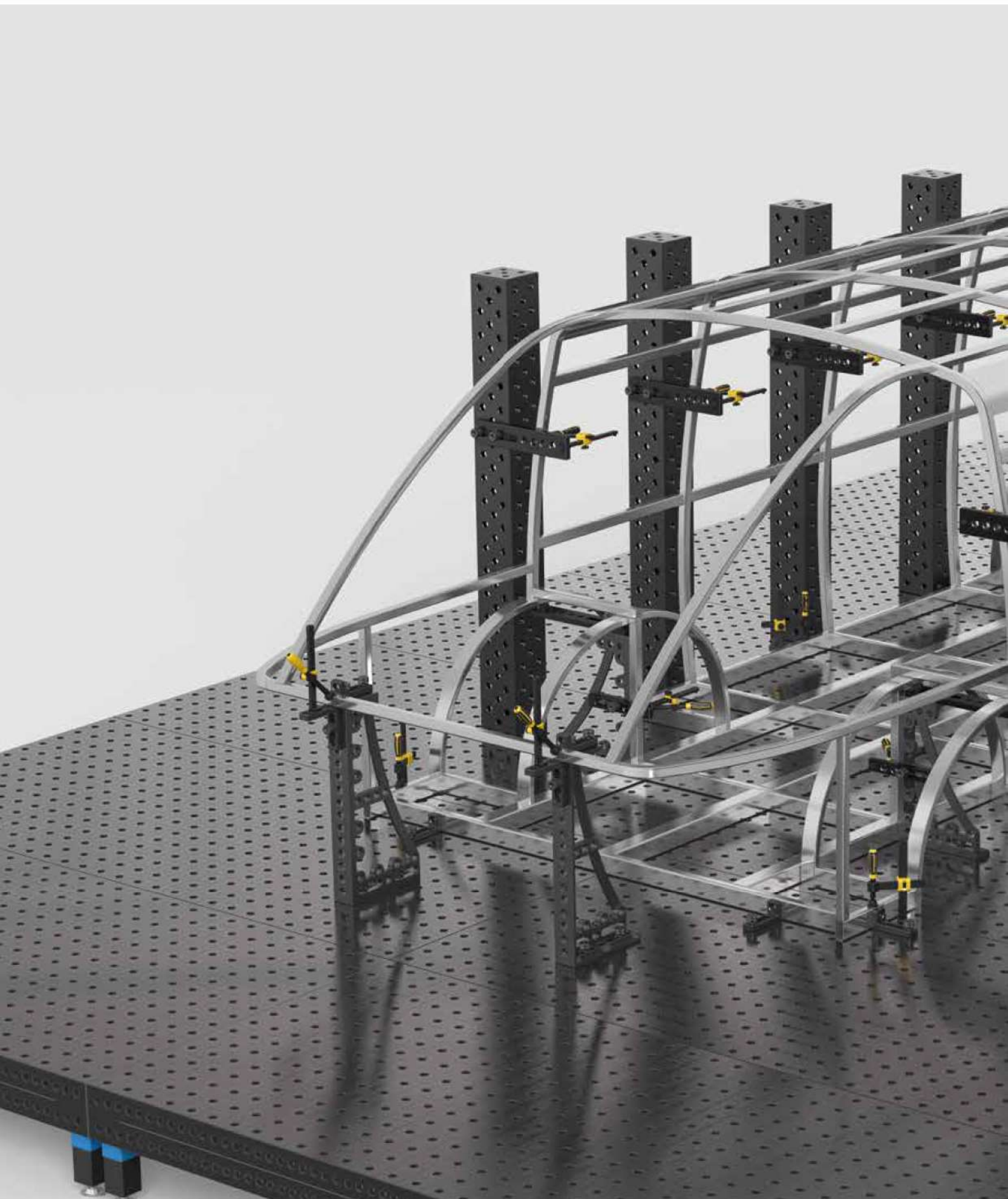
To avoid dirt, the top of the bore holes can be closed with cover caps (Item No. 280238.1, 280238.2).

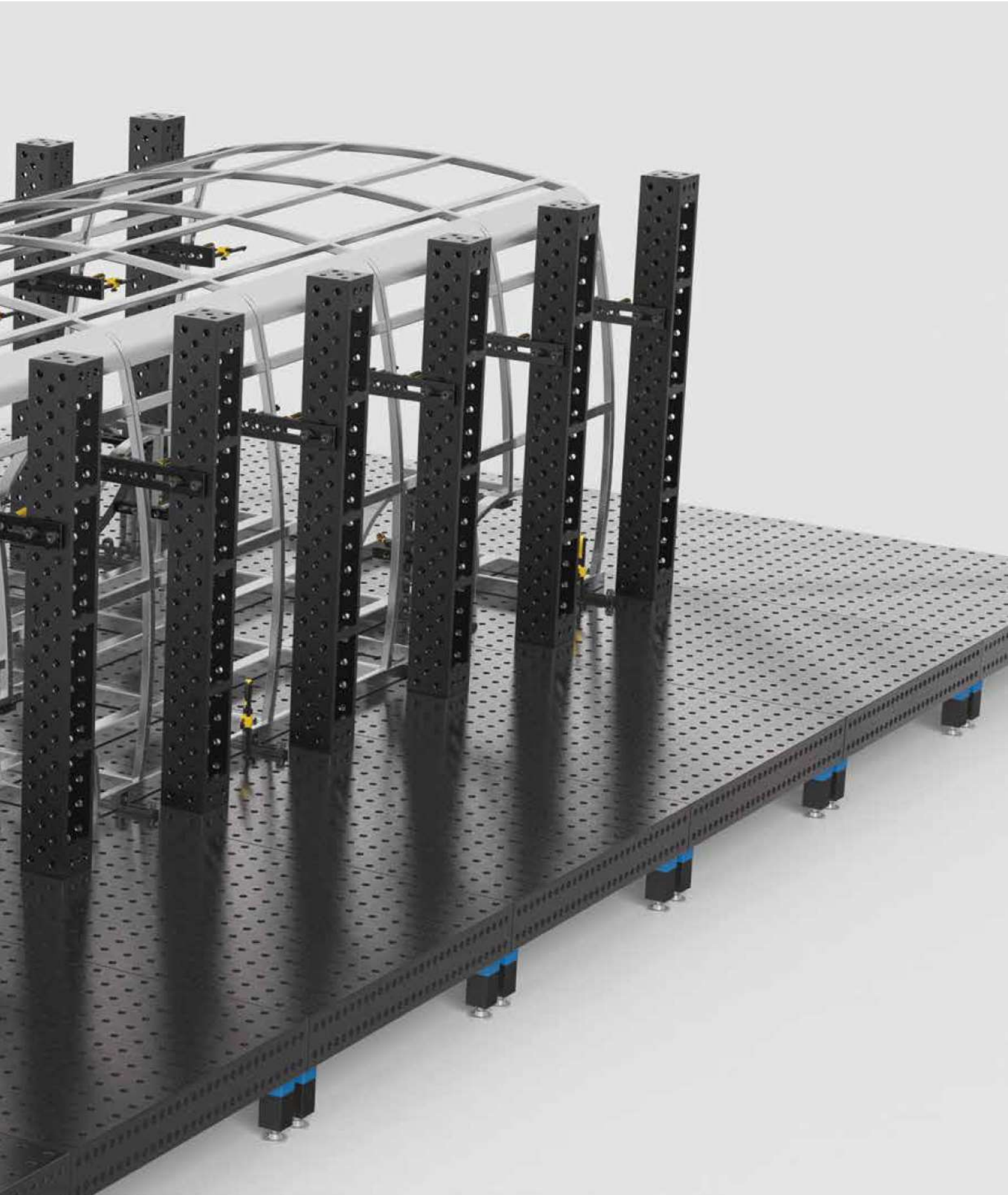
If it is concreted after installation, cover caps are also required on the underside (Item No. 280239).



The casting holes require special caps (Item No. 28002673).





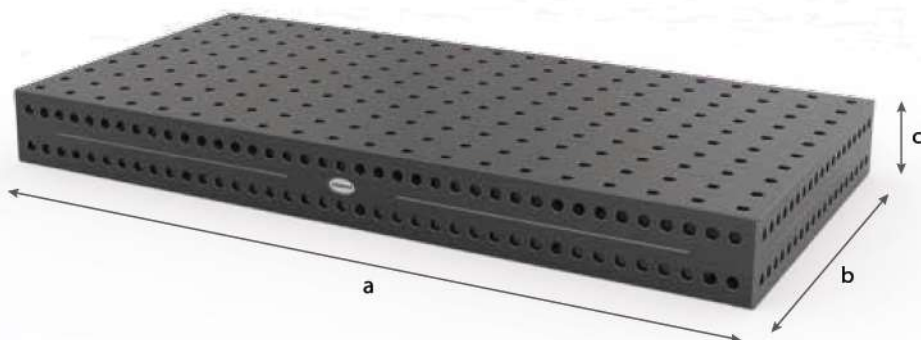


Tables

E

THROUGH-HARDENED TOOL STEEL + PLASMA NITRATION

PROFESSIONAL EXTREME 750

**Description:**

The assembly of the specifically designed tables for this platform system enable creating a work surface of any size. During installation alignment is facilitated by using state-of-the-art 3D laser technology, creating a level work space equipped with a large grid with boreholes and grid lines. Included in delivery are connecting bolts and special tools necessary to connect the tables. The precisely arranged platform area offers a structured work surface with many clamping options, and enables accurate positioning. This platform system makes working on large, heavy components much easier, thereby increasing production efficiency significantly.

F

PREMIUM STEEL S355J2+N (ST 52/3) + PLASMA NITRATION

PROFESSIONAL 550




	Length: (a)	Width: (b)	Height: (c)	Weight:	E Professional Extreme 750 Plasma nitrided	F Professional 550 Plasma nitrided
Table 2000x1000x200 without legs	2000 mm	1000 mm	125-200 mm	approx. 770 kg	2-PT280020.X7 ○	2-PT280020.P ○
Table 2400x1200x200 without legs	2400 mm	1200 mm	125-200 mm	approx. 1075 kg	2-PT280030.X7 ○	2-PT280030.P ○
Table 3000x1500x200 without legs	3000 mm	1500 mm	125-200 mm	approx. 1550 kg	2-PT280040.X7 ○	2-PT280040.P ○
Table 4000x2000x200 without legs	4000 mm	2000 mm	125-200 mm	approx. 2700 kg	2-PT280055.X7 ○	2-PT280055.P ○
Further sizes and heights available upon request (recommended minimum height 125 mm)						○

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

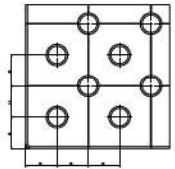
- Production based on customer requirements (charges for accessories and installation tools depending on effort)
- Basic Price (depending on quantity and design height, resulting in surcharge or reduced price).

Special equipment

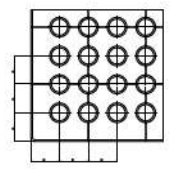


Example for diagonal grid

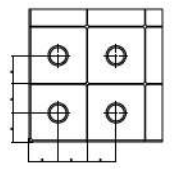
Surcharge Diagonal Grid
(see page 82)



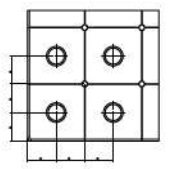
Surcharge 50 mm Grid
(see page 82)



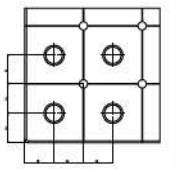
Surcharge Diagonal Grid M8 / M12 / M16 thread
(see page 82)



M8



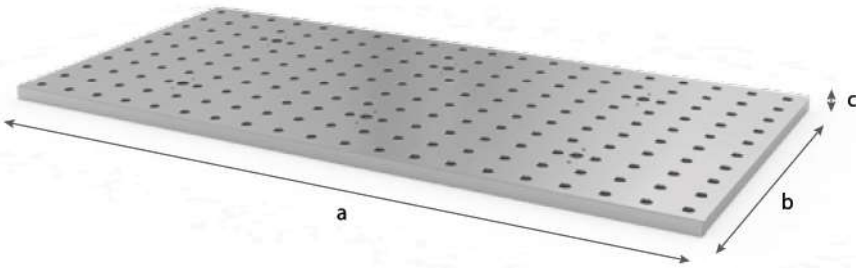
M12



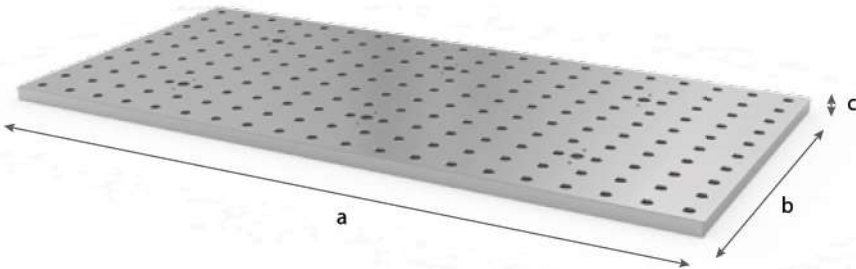
M16

Panels

G THROUGH-HARDENED TOOL STEEL STANDARD TOOL STEEL



H PREMIUM STEEL S355J2+N (ST 52/3) STANDARD

**Description:**


The assembly of the specifically designed floor panels for this platform system enable creating a work surface of any size. During installation alignment is facilitated by using state-of-the-art 3D laser technology, creating a level work space equipped with a large grid with boreholes and grid lines. For additional stability the floor panels can be concreted and used as a flush work surface. The precisely arranged platform area offers a structured work surface with many clamping options, and enables accurate positioning. This platform system makes working on large, heavy components much easier, thereby increasing production efficiency significantly.

G H

	Length: (a)	Width: (b)	Height: (c)	Tool Steel	Steel S355J2+N
Plate 2000x1000x200 without legs	2000 mm	1000 mm	35 mm	2-PP280020.W ○	2-PP280020 ○
Plate 2400x1200x200 without legs	2400 mm	1200 mm	35 mm	2-PP280030.W ○	2-PP280030 ○
Plate 3000x1500x200 without legs	3000 mm	1500 mm	35 mm	2-PP280040.W ○	2-PP280040 ○
Further sizes and heights available upon request					○

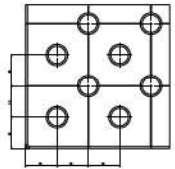
● = Stock item / ○ = Item is made to order

Special equipment

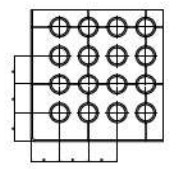


Example for 50 mm grid

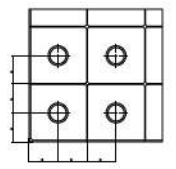
Surcharge Diagonal Grid
(see page 82)



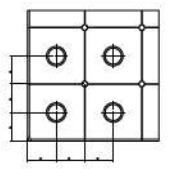
Surcharge 50 mm Grid
(see page 82)



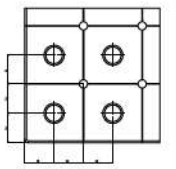
Surcharge Diagonal Grid M8 / M12 / M16 thread
(see page 82)



M8



M12



M16

Accessories



280238.1

28002673

280239



28002672

280856.XS

	Length: (a)	Width: (b)	Height: (c)	Ø: (o)	Weight:	Item No.
Steel Cover / pack of 10 - Burnished - protects drill holes from dirt - 10 pieces / 1 m rail			10 mm	30 mm	0,05 kg	2-280238.1 ●
Steel Cover for mounting hole - to cover the mounting hole (leg adjustment)			25 mm	63 mm	0,45 kg	2-28002673 ○
Plastic Cap / pack of 10 - for Support and Foundation Rail - required with underfloor installation - 10 pieces / 1 m rail			17 mm	42 mm	0,08 kg	2-280239.10 ●
Leg for platform system - Length of thread 100 mm			130 mm	100 mm	1,60 kg	2-28002672 ○
Leg Standard, special height min. 150 mm - 50 mm vernier adjustment	90 mm	90 mm				2-280856.XS ○

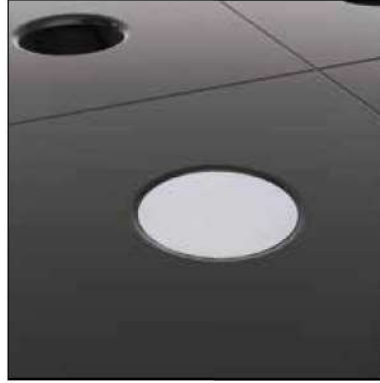
Assembly tools
 project-specific

If required, special tools will be supplied.

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



ill.: Cover Cap in borehole



ill.: Cover Cap in borehole



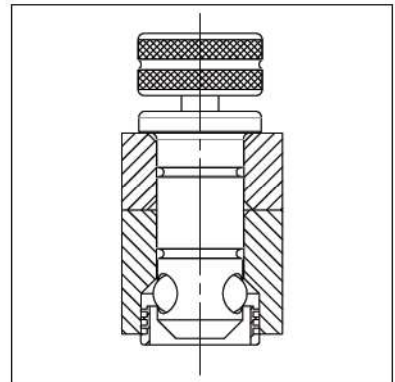
ill.: Removal of Cover Cap with magnetic clamping bolt



ill.: Assembly borehole to adjust and fasten Leg for Platform System B



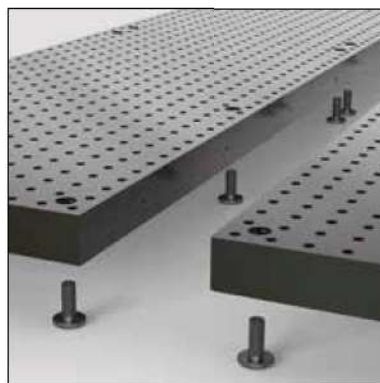
ill.: Cover assembly borehole with Cover Cap for Platform System B



ill.: Application of Cover Cap



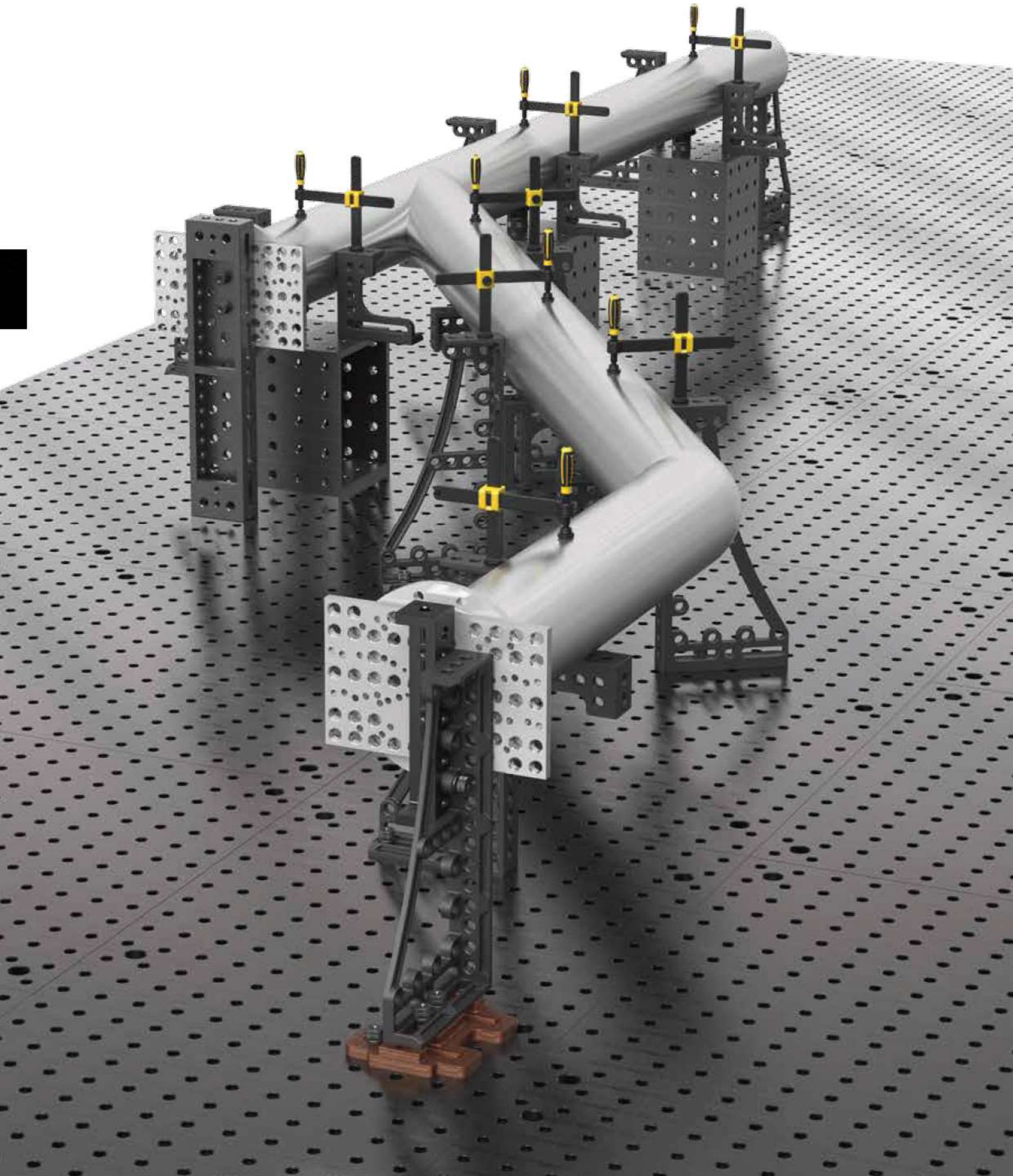
ill.: Legs for Platform System B



ill.: Legs for Platform System B



ill.: Leg for Platform System A





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