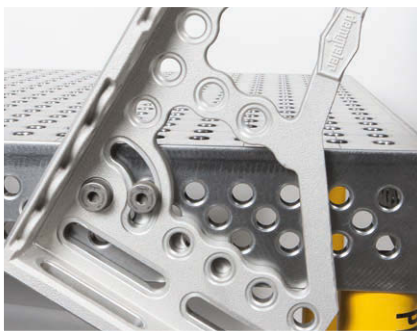




THE welding table



Original welding table system D16 | D22 | D28
FROM THE MANUFACTURER – MADE IN GERMANY

D22 system



THE welding table

Our new and original D22 welding table system – the golden mean

With the D22 welding table system, we have filled a gap in the market. Derived from the 28 and 16 3D clamping systems, which have proven themselves thousands of times over, the D22 system offers great versatility. The D22 system is ideal for use in light to moderate steel and metal work, railing and stainless steel construction, plant engineering and much more. It's also perfectly suited to handling requirements and assembly work.

Original 3D welding table systems D28/D16

We offer an even more comprehensive and differentiated product range, with solutions for the widest variety of everyday applications. Here are a few guidelines to give you a better overview of the broad range of clamping systems, tools and accessories available, and to help you find exactly what you are looking for.

- A basic distinction is drawn between the 28 system for large, heavy-duty applications, the 22 system for light and medium-duty applications and the 16 system for small and lightweight clamping and welding tasks.
 - For each system, there is a comprehensive selection of tools and accessories which are identified for each respective system.
 - In addition to clamping systems, you can also find innovative solutions in this catalogue, such as our rotary tables, manipulators or the tool arena.
- Find out about these trendsetting developments for a more efficient and ergonomic production.

Additional system sizes are available:

28

system

16

system



Access the D28/D16 systems online catalogue with the click of a mouse



We are proud to be often imitated but never matched!

A pioneering and inventive spirit does not rest on its laurels. Every day, good concepts must be turned into even better, more flexible and more efficient concepts – for the customer's benefit. We accept this ongoing challenge in line with our motto: "Don't just talk about it, do it!"





You can only get that from Demmeler

Great value for money!

The multifunctional tool means that you need far less equipment to clamp your work pieces. So you save both money and storage space!

Optimum access to the work piece – ergonomically designed!

Saves time in production and increases quality. The multifunctional tool can be set up in such a way that it takes up the smallest amount of space on the table top. The rest of the tool can be adapted so that it "disappears" under the surface of the table inside the practical "clever toolbox".

All products are made in-house – in Germany!

As the inventor of the 3D clamping system, all our highly automated manufacturing processes are performed in-house at our Heimertingen site. We set up our systems ourselves and so we are our own most critical customer. This also ensures our innovative and quality leadership.

Top-notch support from professional application consultants provided for you at your premises.

Our consultants can visit you at your premises and advise you individually about your application. As a result, you only buy the equipment you need. Based on our many years of experience, we can help you make even more effective use of our systems.

Extremely long service life generates a return on your investment.

Through top "Made in Germany" quality, we reduce life-cycle costs and ensure the longest service life for our products.

Professionals work with DEMMELER!

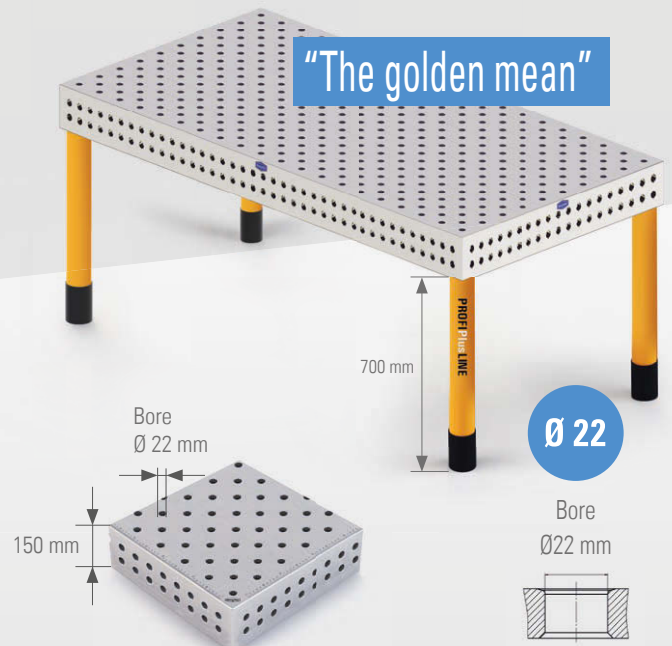
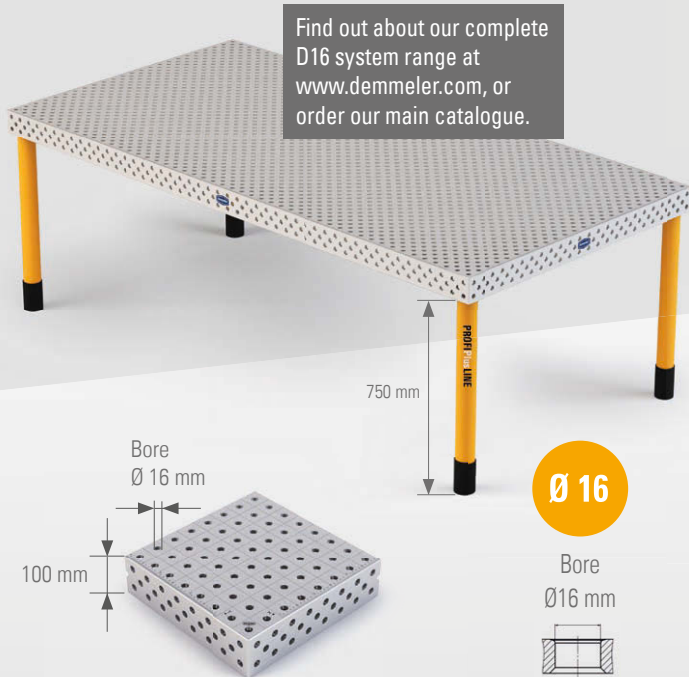
We supply high-quality clamping systems which make work fun. Made by professionals for professionals!

D16 system

For delicate applications

D22 system

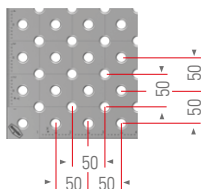
For light and medium-duty applications



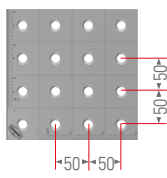
Description ▼

- Bore Ø 16
- Grid 50 × 50 mm (PE)
- Diagonal grid 50 × 50 mm (PL)
- Table side plate height 100 mm
- Material thickness approx. 12 mm
- for light clamping tasks
- Precision scaling with millimetre graduation
- Demmeler logo displayed as brand name on all four sides of the side plate
- Table height including leg 850 ± 30 mm

3D welding table
PROFIPlusLINE (PL) 16
Diagonal grid 50 × 50 mm



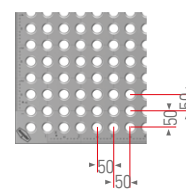
3D welding table
PROFIEcoLINE (PE) 16
Grid 50 × 50 mm



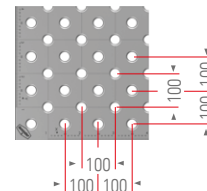
Description ▼

- Bore Ø 22
- Diagonal grid 100 × 100 mm (PL)
- Grid 50 × 50 mm (PE)
- Table side plate height 150 mm
- Material thickness approx. 18 mm
- For light and medium-duty applications
- Precision scaling with millimetre graduation
- Demmeler logo displayed as brand name on all four sides of the side plate
- Table height including leg 850 ± 30 mm

3D welding table
PROFIPremiumLINE (PP) 22
Grid 50 × 50 mm



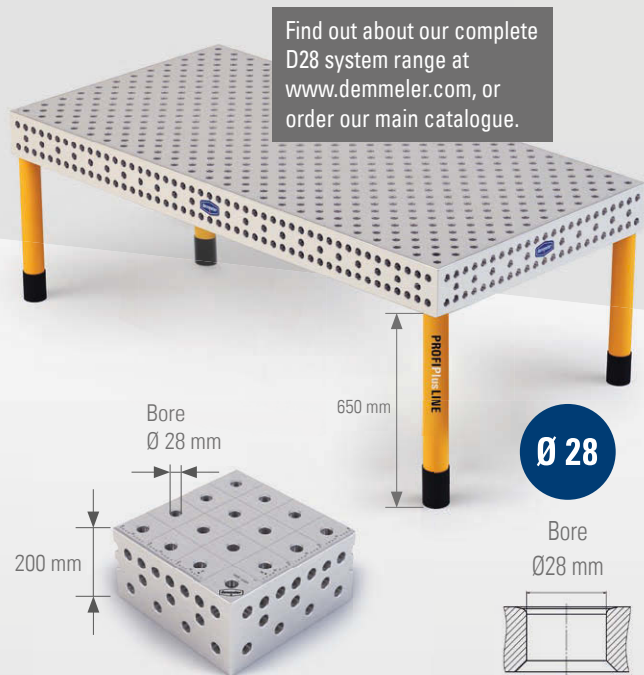
3D welding table
PROFIPlusLINE (PL) 22
Diagonal grid 100 × 100 mm



D28 system

For everyday, large welded constructions

The advantages of 3D clamping systems



Axis designation in the X and Y direction. Precision scaling provided as standard. Radius for improved ergonomics and a better design

New protective countersink: Optimum bolt and clamp insertion with simultaneous protection of the table top against damage from materials, even in the event of extreme strain on the system bore.

PROFIPremiumLINE 3D welding table features additional bores in the side plate, offering even more clamping options.

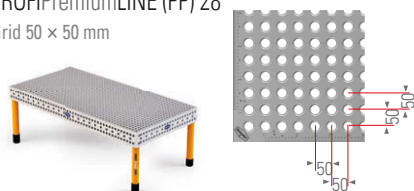
Description ▼

- Bore Ø 28
- Grid 100 × 100 mm (PE)
- Diagonal grid 100 × 100 mm (PL)
- Grid 50 × 50 mm (PE)
- Table side plate height 200 mm
- Material thickness approx. 25 mm
- For everyday, large welded constructions
- Precision scaling with millimetre graduation
- Demmeler logo displayed as brand name on all four sides of the side plate
- Table height including leg 850 ± 30 mm

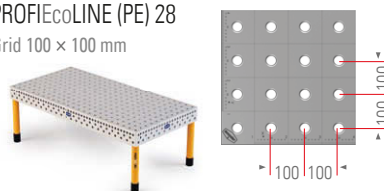
Advantages of 3D clamping systems ▼

In addition to a modular concept, Demmeler's system tables offer clear advantages in comparison to conventional tables. Axis designations, additional bores and new protective countersinks are some of the major improvements that have been made by Demmeler.

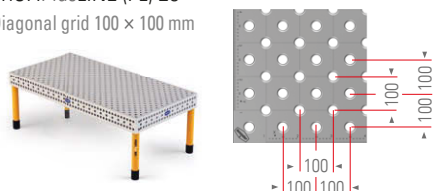
3D welding table
PROFIPremiumLINE (PP) 28
Grid 50 × 50 mm



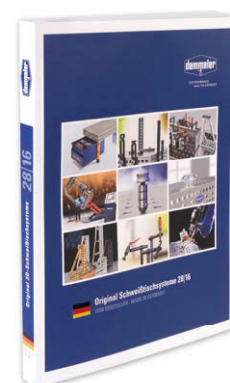
3D welding table
PROFIEcoLINE (PE) 28
Grid 100 × 100 mm



3D welding table
PROFIPlusLINE (PL) 28
Diagonal grid 100 × 100 mm



3D welding table
HobbyLINE (H) 28
Grid 100 × 100 mm



Access the
D28|D16 systems
online catalogue
with the click
of a mouse



We put your ideal working companion together for you



Individuality starts with the choice of table size and line. Your chosen combination of table plate, table leg and surface hardness completes your own individual welding table. This then provides the basis for choosing the most suitable accessory set so that you can configure your own new DEMMELER 3D clamping system to suit your application.

Comprehensive accessories

Can also be ordered as ready-compiled sets.



Table surface hardness up to 760 Vickers

This stands for the combination of specified base material and Demmeler's new hardening process – optimised especially for welding tables.

The result: outstanding surface characteristics, and a hardness of up to 760 Vickers, reducing wear and tear and ensuring an even longer service life for your welding table.



Photo: PROFIPremiumLINE (PP) 22 3D welding table



Demmeler logo displayed as brand name on all four sides of the side plate



Standard leg
Article no. PL22-10010-000

Demmeler hardness

HARDNESS



Material properties

Point rating	DEMONT 760 M	Standard	Casting	Steel
Hardness	8	5	4	6
Point load	8	5	4	6
Scratch-resistant	8	5	4	6
Corrosion resistance	8	4	2	10
Against weld spatter	9	7	10	6
Accuracy	8	10	10	9
Lifespan	8	6	6	7
70 points maximum	57 points	42 points	38 points	50 points



20-40 points = suitable for standard applications/41-70 points = suitable for heavy-duty applications

Leg variants

Table plate sizes

The right leg for every application



Standard leg	Telescoping leg	Heavy-duty wheel	Anchoring leg
PL22-10010-000	PL22-10010-001	PL22-10010-002* PL22-10010-003**	PL22-10010-004

Standard leg

- Pivoting foot, ± 30 mm fine adjustment
- Sturdy M30 or M24 threaded spindle
- Foot sleeve protects the threaded spindle from dirt and prevents pinching of the cable-hose assembly
- Also available as a supporting leg in combination with overhung U-shape space block for lengths from 1 m
- Includes M24 x 60 countersunk mounting screw
- Powder coated leg tube

Telescoping leg

- Pivoting foot, ± 30 mm fine adjustment
- Sturdy M30 or M24 threaded spindle
- Foot sleeve protects the threaded spindle from dirt and prevents pinching of the cable-hose assembly
- Telescope adjustment range 350 mm in 50-mm increments
- For flexible height adjustment of the welding table
- Includes M24 x 60 countersunk mounting screw
- Powder coated leg tube

Leg with heavy-duty castor

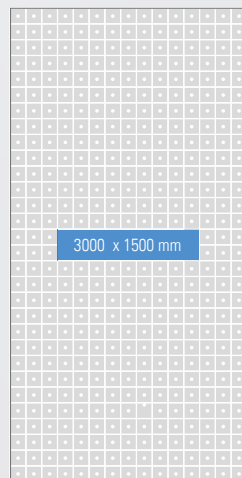
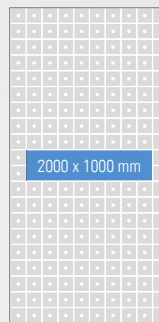
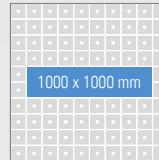
- ± 30 mm fine adjustment
- Sturdy M30 or M24 threaded spindle
- Foot sleeve protects the threaded spindle from dirt and prevents pinching of the cable-hose assembly
- Robust design
- With 360° castor
- Bearing capacity max. 600 kg
- Includes M24 x 60 countersunk mounting screw
- Powder coated leg tube

* wheel with brake

** wheel without brake

Anchoring leg

- ± 30 mm fine adjustment
- Sturdy M30 or M24 threaded spindle
- Foot sleeve protects the threaded spindle from dirt and prevents pinching of the cable-hose assembly
- For firm attachment to the factory floor and securing against pulling, pressure and shifting (e.g. use of robots)
- Includes M24 x 60 countersunk mounting screw, and, for secure anchoring to the floor, 2 x drop-in anchors, 2 x M16 x 40 cylinder head screws
- Powder coated leg tube

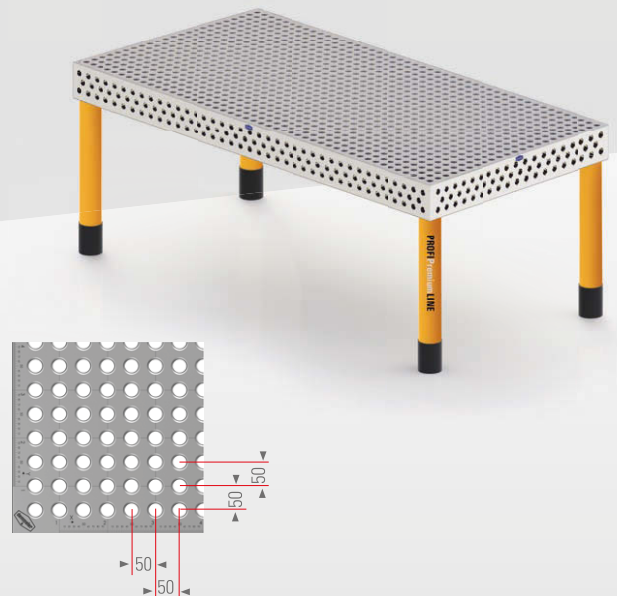


At your request, we can also create your 3D welding table in special materials and with special dimensions.

PROFIPremiumLINE (PP) 22 3D table

Grid 50 × 50 mm

- D22 table plate with system bores in a 50 mm × 50 mm grid. This results in 100% more clamping options than with PROFIPlusLINE
- 3-hole drilling pattern in the table side plates with D22 system bores in the 50 × 50 mm diagonal grid. This doubles the expansion and clamping options
- All table dimensions are available as an option with the new DEMONT 760 M hardness of up to 760 Vickers
- All system bores with new countersink, perfect design and ultimate functionality
- Optimised outside table edges
- Improved table reinforcement through additional cross-ribs
- Continuous grid lines in X and Y direction 100 mm spacing
- Precision scaling with millimetre graduation, also available with the DEMONT 760 M option
- Coordinate markings of bores in X and Y direction
- Demmeler Logo displayed on all 4 sides of the side plate
- Finely adjustable table legs in a rounded design with pivoting feet
- Foot sleeve protects the cable-hose assembly



Description ▲

PROFIPremiumLINE (PP) 22 3D welding table without legs



L in mm	W in mm	H in mm	Approx. G table in kg	Legs	Standard	DEMONT 760 M hardened
1000	1000	150	200	without legs	PP22-01001-000	PP22-01001-500
2000	1000	150	355	without legs	PP22-01002-000	PP22-01002-500
2400	1200	150	500	without legs	PP22-01003-000	PP22-01003-500
3000	1500	150	735	without legs	PP22-01004-000	PP22-01004-500

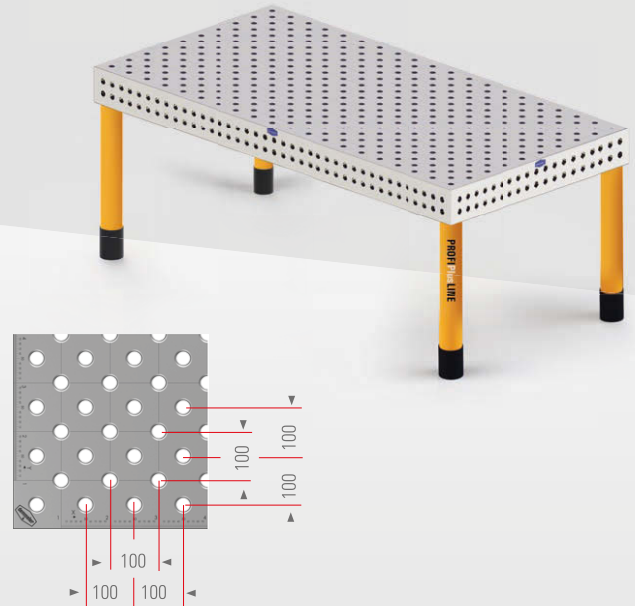
PROFIPremiumLINE (PP) 22 3D welding table with legs



L in mm	W in mm	H in mm	Approx. G table in kg	Legs	Standard	DEMONT 760 M hardened
1000	1000	850 ±30	234	4	PP22-01001-001	PP22-01001-011
2000	1000	850 ±30	389	4	PP22-01002-001	PP22-01002-011
2400	1200	850 ±30	534	4	PP22-01003-001	PP22-01003-011
3000	1500	850 ±30	786	6	PP22-01004-001	PP22-01004-011

Special dimensions and materials (e.g. stainless steel) possible on request.
The list for selecting other leg variants can be found on page 7.

- D22 table plate with system bores in a 100 mm × 100 mm diagonal grid
- 2-hole drilling pattern in the table side plates with D22 system bores in 50 mm grid.
- All table dimensions are available as an option in the new DEMONT 760 M hardness of up to 760 Vickers
- All system bores with new countersink, perfect design and ultimate functionality
- Optimised outside table edges
- Improved table reinforcement through additional cross-ribs
- Continuous grid lines in X and Y direction 100 mm spacing
- Precision scaling with millimetre graduation, also available with the DEMONT 760 M option
- Coordinate markings of bores in X and Y direction
- Demmeler Logo displayed on all 4 sides of the side plate
- Finely adjustable table legs in a rounded design with pivoting feet
- Foot sleeve protects the cable-hose assembly



Description ▲

PROFIPlusLINE (PL) 22 3D welding table without legs



L in mm	W in mm	H in mm	Approx. weight in kg	Legs	Standard	DEMONT 760 M hardened
1000	1000	150	200	without legs	PL22-01001-000	PL22-01001-500
2000	1000	150	355	without legs	PL22-01002-000	PL22-01002-500
2400	1200	150	500	without legs	PL22-01003-000	PL22-01003-500
3000	1500	150	735	without legs	PL22-01004-000	PL22-01004-500

PROFIPlusLINE (PL) 22 3D welding table with legs



L in mm	W in mm	H in mm	Approx. weight in kg	Legs	Standard	DEMONT 760 M hardened
1000	1000	850 ±30	234	4	PL22-01001-001	PL22-01001-011
2000	1000	850 ±30	389	4	PL22-01002-001	PL22-01002-011
2400	1200	850 ±30	534	4	PL22-01003-001	PL22-01003-011
3000	1500	850 ±30	786	6	PL22-01004-001	PL22-01004-011

Special dimensions and materials (e.g. stainless steel) possible on request.
The list for selecting other leg variants can be found on page 7.

Set 710

Article number: D22-52000-710 (26-part)



Set 720

Article number: D22-52000-720 (57-part)



Quantity ▼	Article no. ▼	Article designation ▼
Set 710 - Article number: D22-52000-710 (26-part)		
10	E22-06025-000	EcoLINE bolt/short – Ø 22, AF 10, clamping range 32-33.5 mm
4	D22-05015-000	Displacement stop – 100 × 50 × 18 mm, scale on both sides
4	D22-05001-000	Universal stop /size 225 × 50 × 18 mm
2	D22-05009-000	Universal stop L 300 - 300 × 50 × 18 mm
4	D22-07005-000	Swing clamp 180° with spindle – vertical pipe 175 mm
1	D22-10002-000	Round brush Ø 22 × 260 mm, with protective cap, for cleaning the system bore
1	D22-10016-001	Extraction tool – 250 × 40 mm, AF 10
Set 720 - Article number: D22-52000-720 (57-part)		
16	E22-06025-000	EcoLINE bolt/short – Ø 22, AF 10, clamping range 32-33.5 mm
6	D22-06009-000	Stop and positioning bolts Ø 22/31 × 52 mm
2	D22-09001-005	Spacer set with thread – Ø 50 × 125 mm, height compensation 22-105 mm, continuous
2	D22-05013-000	Stop washer Ø 75 – stop dimension 25-50 mm, continuous
2	D22-09001-000	Spacer set 11 pieces – Ø 50 × 125 mm, height compensation 5-100 mm increment 1 mm
4	D22-05015-000	Displacement stop – 100 × 50 × 18 mm, scale on both sides
4	D22-05009-000	Universal stop L 300 – 300 × 50 × 18 mm
4	PE22-03001-000	Clamping and locating angle 175 x 175 mm (bore/oblong hole)
2	D22-05003-000	Stop strip L 500 – 500 × 100 × 25 mm
4	D22-07009-000	Swing clamp 45° with spindle – vertical pipe 175 mm
4	D22-07005-000	Swing clamp 180° with spindle – vertical pipe 175 mm
4	D22-07001-000	Compensating swing clamp 180° with spindle – vertical pipe 300 mm
1	D22-10002-000	Round brush Ø 22 × 260 mm, with protective cap, for cleaning the system bore
1	D22-10016-001	Extraction tool – 250 × 40 mm, AF 10
1	D00-10007-000	Bench stone 200 × 50 × 25 mm

You can individually assemble or supplement your sets thanks to the broad selection of Demmeler accessories!



Quantity ▼	Article no. ▼	Article designation ▼
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Set 730 - Article number: D22-52000-730 (77-part)

4	D22-06026-000	PPS bolt/long – Ø 22, AF 10, clamping range 49.5–52.5 mm
20	E22-06025-000	EcoLINE bolt/short – Ø 22, AF 10, clamping range 32–33.5 mm
8	D22-06009-000	Stop and positioning bolts Ø 22/31 × 52 mm
2	D22-09001-005	Spacer set with thread – Ø 50 × 125 mm, height compensation 22–105 mm, continuous
2	D22-05013-000	Locating disk Ø 75 – stop dimension 25–50 mm, continuous
2	D22-09001-000	Spacer set 11 pieces – Ø 50 × 125 mm, height compensation 5–100 mm increment 1 mm
4	D22-05015-000	Displacement stop – 100 × 50 × 18 mm, scale on both sides
4	D22-05001-000	Universal stop /size 225 × 50 × 18 mm
4	PE22-03001-000	Clamping and locating angle 175 x 175 mm (bore/oblong hole)
4	D22-05009-000	Universal stop L 300 - 300 × 50 × 18 mm
2	D22-05003-000	Stop strip L 500 – 500 × 100 × 25 mm
4	D22-07009-000	Swing clamp 45° with spindle – vertical pipe 175 mm
4	D22-07005-000	Swing clamp 180° with spindle – vertical pipe 175 mm
6	D22-07001-000	Compensating swing clamp 180° with spindle – vertical pipe 300 mm
1	D22-10002-000	Round brush Ø 22 × 260 mm, with protective cap, for cleaning the system bore
1	D22-10016-001	Extraction tool – 250 × 40 mm, AF 10
1	D00-10007-000	Bench stone 200 × 50 × 25 mm
1	PE22-03003-001	Clamping and locating angle H 500, DEMONT 760 M Black Edition, hardened casting, left
1	PE22-03003-000	Clamping and locating angle H 500, DEMONT 760 M Black Edition, hardened casting, right
1	PE22-03004-001	Clamping and locating angle H 750, DEMONT 760 M Black Edition, hardened casting, left
1	PE22-03004-000	Clamping and locating angle H 750, DEMONT 760 M Black Edition, hardened casting, right

Connection bolt

Connection bolt

Stop and positioning bolts

short with screw

long with screw



Description ▼

- For use as a long-term connection
- With self-centring countersunk head on both sides
- Suitable for system bores
- Clamping with Allen key AF 10
- Ideal for connecting welding tables with U-spacers, etc.
- Blackened

Description ▼

- For use as a long-term connection
- With self-centring countersunk head on both sides
- Suitable for system bores
- Clamping with Allen key AF 10
- For connecting three system components or two system components onto the welding table

Description ▼

- For marking the system components
- For fixing e.g. of blocks and stops, cost-effective replacement for a second clamping pin
- Blackened

Connection bolt, short with screw

D22	A in mm	Ø B in mm	Approx. weight in kg	Article no.
	28.75	22	0.1	D22-06003-000

Connection bolt, long with screw

D22	A in mm	Ø B in mm	Approx. weight in kg	Article no.
	48	22	0.2	D22-06006-000

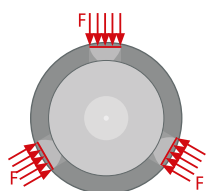
Stop and positioning bolts

D22	Ø A in mm	Ø B in mm	C in mm	D in mm	Approx. weight in kg	Article no.
	22	31	52	19	0.2	D22-06009-000

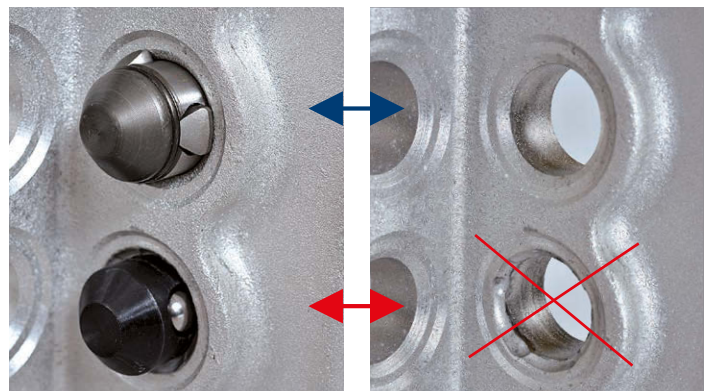


Comparison of clamping pins and the polygon bolt from Demmeler

The Demmeler PPS bolt's cone clamping system makes the bearing surface 100 times larger. This results in far greater contact pressure and therefore more reliable securing of work pieces. At the same time, the even distribution of force reduces bore hole wear in comparison to conventional bolts.



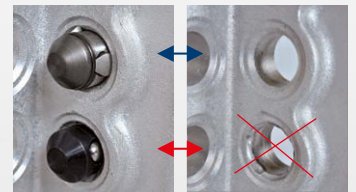
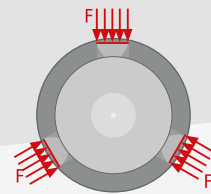
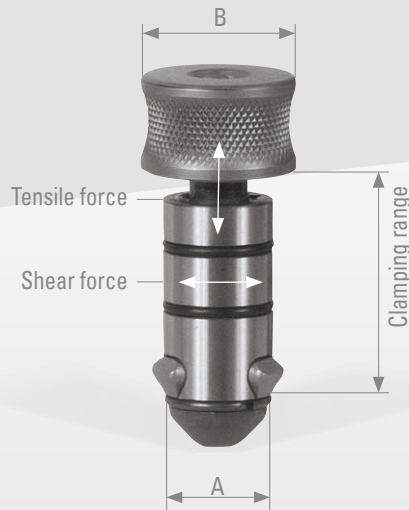
Cone instead of balls – more force, less wear



Using the PPS bolt prevents serious damage to the bores that can be caused by clamping pins, for example with aluminium-titanium blocks.

PPS bolt, short

- Highest clamping force with large stroke. Polygon expansion elements are full-faced, force-locked and exactly self-centring which reduces the surface load
- Self-locking
- Easy on materials
- Straightforward, fast and safe handling
- Low susceptibility to dirt
- High-strength, hardened and ground
- High-quality hardened steel, highest precision due to grinding
- O-ring prevents simultaneous rotation while tightening and cleans the system bore at the same time
- Polygon expansion elements for optimum force distribution: self-centring, force-locked and gentle on contacts

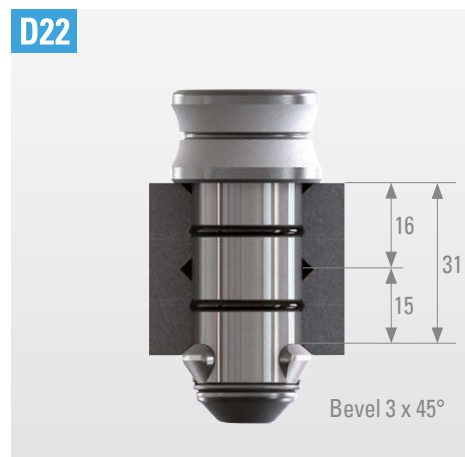


Description ▲

Minimum clamping range ▼

Maximum clamping range ▼

D22



D22

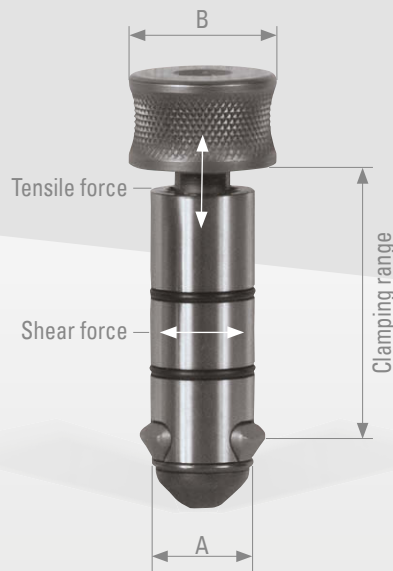


Do not exceed the specified loads when using the clamping pins.
Avoid the induction of welding voltages, unfavourable leverage ratios and impacts during use.

D22	Clamping range	Ø A in mm	W in mm	Approx. weight in kg	Version	Article no.
	31-34	22	31	0.25	Tensile force: max. 5 kN Shear force: max. 100 kN Tightening torque: 25 Nm	D22-06025-000

PPS bolt, long

- Highest clamping force with large stroke. Polygon expansion elements are full-faced, force-locked and exactly self-centring which reduces the surface load
- Self-locking
- Easy on materials
- Straightforward, fast and safe handling
- Low susceptibility to dirt
- High-strength, hardened and ground
- High-quality hardened steel, highest precision due to grinding
- O-ring prevents simultaneous rotation while tightening and cleans the system bore at the same time
- Polygon expansion elements for optimum force distribution: self-centring, force-locked and gentle on contacts



Description ▲ Application ▼

Minimum clamping range ▼

Maximum clamping range ▼

D22



D22

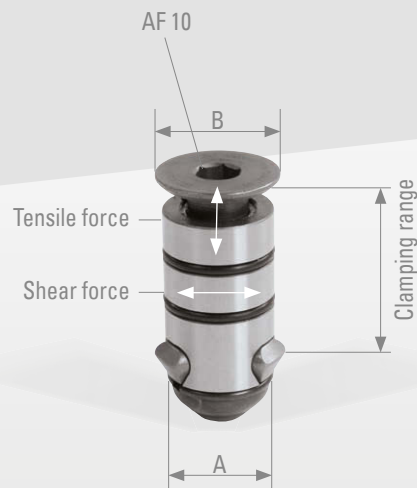


Do not exceed the specified loads when using the clamping pins.
Avoid the induction of welding voltages, unfavourable leverage ratios and impacts during use.

D22	Clamping range	Ø A in mm	W in mm	Approx. weight in kg	Version	Article no.
	49-52	22	31	0.3	Tensile force: max. 5 kN Shear force: max. 100 kN Tightening torque: 25 Nm	D22-06026-000

PPS countersunk head bolt, short

- Possible to use with one hand
- Increased strength due to a much larger material cross-section
- Easy and convenient clamping through optimised distribution of force in the expansion segments
- Minimum susceptibility to dirt thanks to polygon shape
- High-strength, hardened and ground – as is standard at Demmeler – to ensure a long service life
- With optimum force distribution, Demmeler opens up a whole new dimension in terms of application possibilities
- Countersunk head bolts may only be used in bores but not in oblong holes



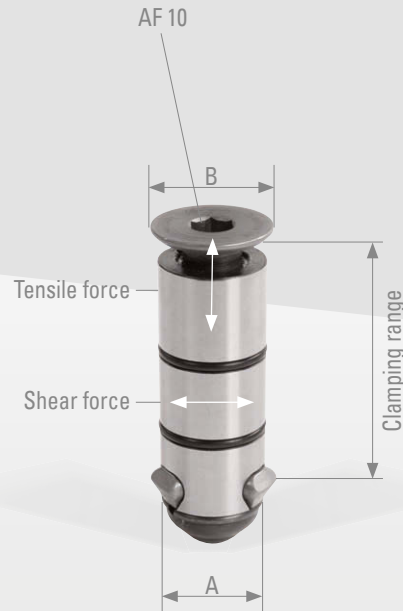
Description ▲	Minimum clamping range ▼	Maximum clamping range ▼
<p>D22</p> <p>Bevel 3 x 45°</p>	<p>D22</p> <p>Bevel 3 x 45°</p>	

Do not exceed the specified loads when using the clamping pins.
Avoid the induction of welding voltages, unfavourable leverage ratios and impacts during use.

D22	Clamping range	Ø A in mm	W in mm	Approx. weight in kg	Version	Article no.
	31-34	22	25	0.2	Tensile force: max. 4 kN Shear force: max. 100 kN Tightening torque: 15 Nm	D22-06027-000

PPS countersunk head bolt, length

- Used for simultaneous clamping of two system components
- Connecting element for all system components on table, perforated plates, etc. or for special fixtures
- Possible to use with one hand
- Increased strength due to a much larger material cross-section
- Easy and convenient clamping through optimised distribution of force in the expansion segments
- Minimum susceptibility to dirt thanks to polygon shape
- High-strength, hardened and ground – as is standard at Demmeler – to ensure a long service life
- With optimum force distribution, Demmeler opens up a whole new dimension in terms of application possibilities
- Countersunk head bolts may only be used in bores but not in oblong holes

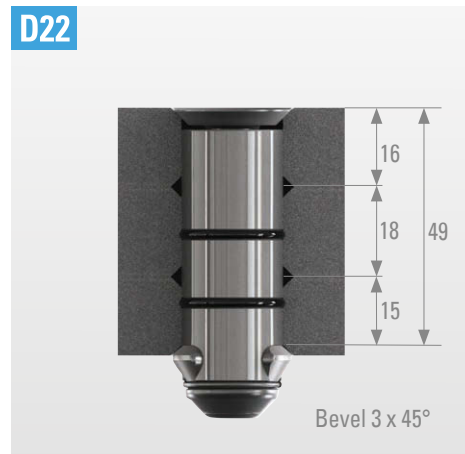


Description ▲ Application ▼

Minimum clamping range ▼

Maximum clamping range ▼

D22



D22



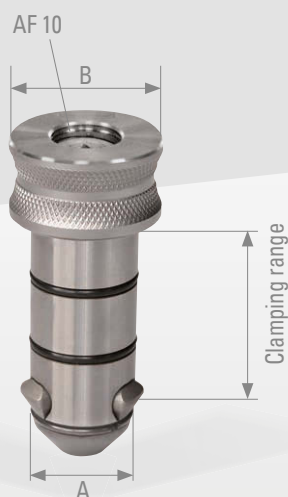
Do not exceed the specified loads when using the clamping pins.
Avoid the induction of welding voltages, unfavourable leverage ratios and impacts during use.

D22	Clamping range	Ø A in mm	W in mm	Approx. weight in kg	Version	Article no.
	49-52	22	25	0.3	Tensile force: max. 4 kN Shear force: max. 100 kN Tightening torque: 15 Nm	D22-06028-000

EcoLINE bolt - short

NEW

- Connecting element for system components
- For clamping one system component onto the welding table or for connecting 2 system components
- Simple version without expanded clamping range

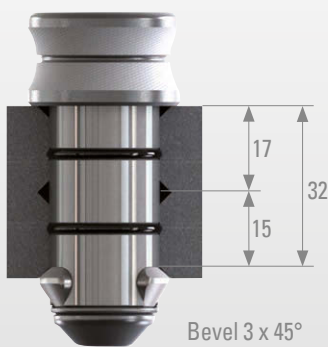


Description ▲

Minimum clamping range ▼

Maximum clamping range ▼

D22



D22



Do not exceed the specified loads when using the clamping pins.
Avoid the induction of welding voltages, unfavourable leverage ratios and impacts during use.

D22	Clamping range	Ø A in mm	W in mm	Approx. weight in kg	Version	Article no.
	32-33.5	22	19	0.53	Tensile force: max. 4 kN Shear force: max. 100 kN Tightening torque: 15 Nm	E22-06025-000

NEW

EcoLINE bolt - long

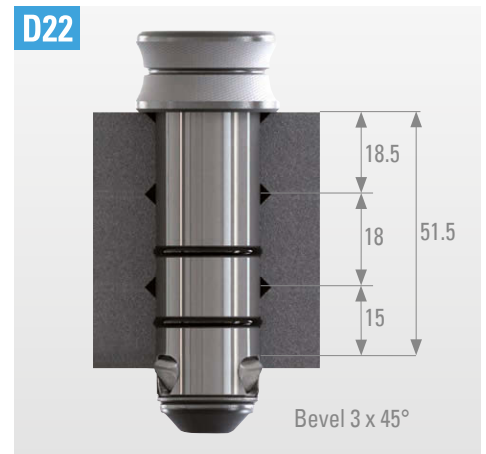
- Connecting element for system components
- For clamping one system component onto the welding table or for connecting 2 system components
- Simple version without expanded clamping range



Description ▲

Minimum clamping range ▼

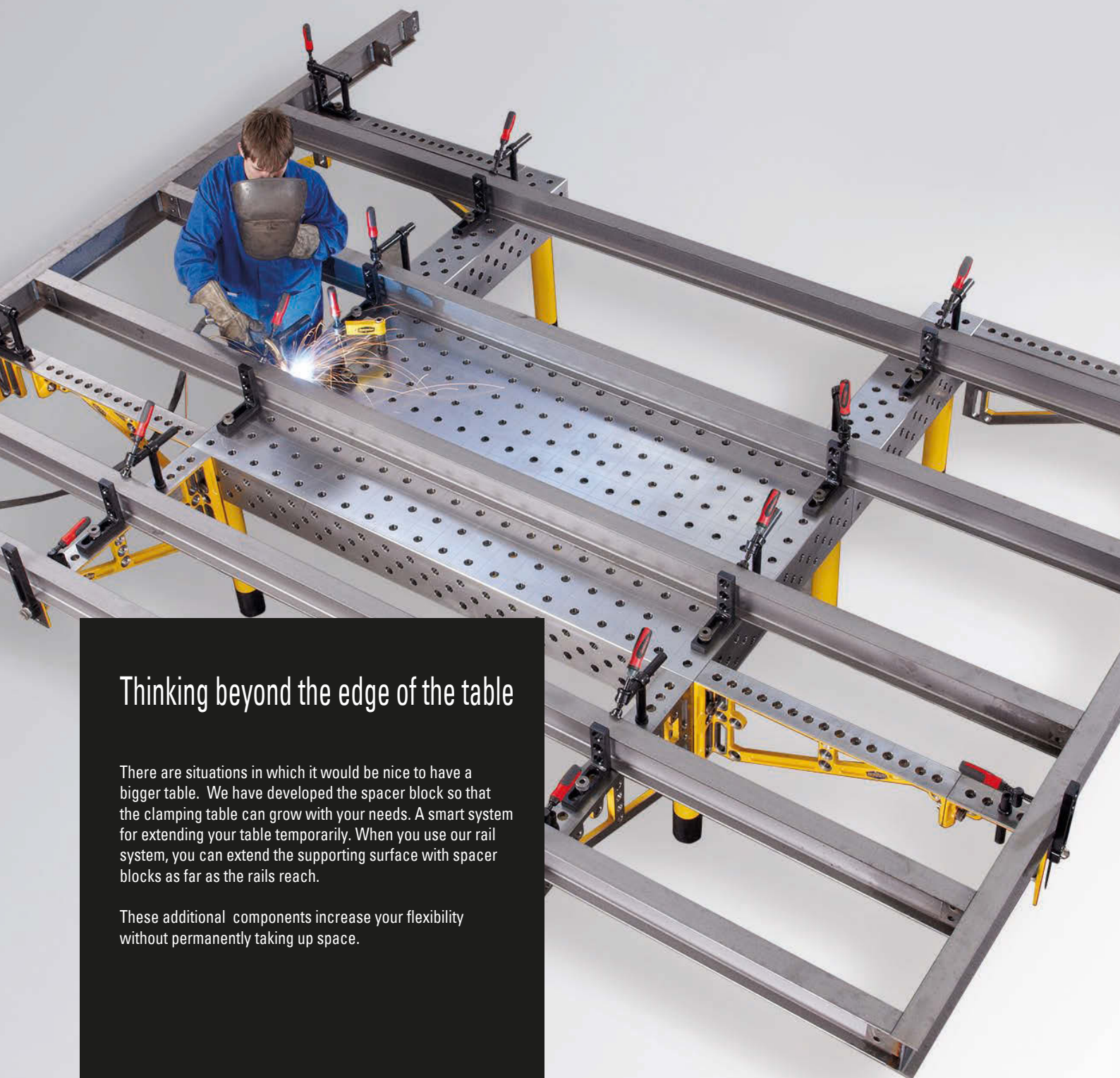
Maximum clamping range ▼



Do not exceed the specified loads when using the clamping pins.
Avoid the induction of welding voltages, unfavourable leverage ratios and impacts during use.

D22	Clamping range	Ø A in mm	W in mm	Approx. weight in kg	Version	Article no.
	50-51.5	22	19	0.732	Tensile force: max. 4 kN Shear force: max. 100 kN Tightening torque: 15 Nm	E22-06026-000

U-shape spacer block



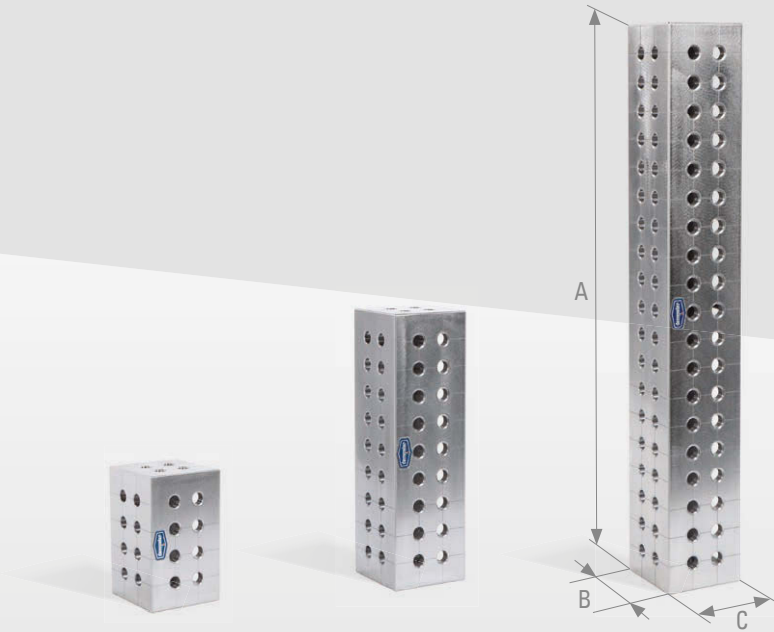
Thinking beyond the edge of the table

There are situations in which it would be nice to have a bigger table. We have developed the spacer block so that the clamping table can grow with your needs. A smart system for extending your table temporarily. When you use our rail system, you can extend the supporting surface with spacer blocks as far as the rails reach.

These additional components increase your flexibility without permanently taking up space.

e.g.

- For mounting a frame using D22-06003-000 connection bolts
- For use as a table extension
- Application: 5-sided
- With grid lines



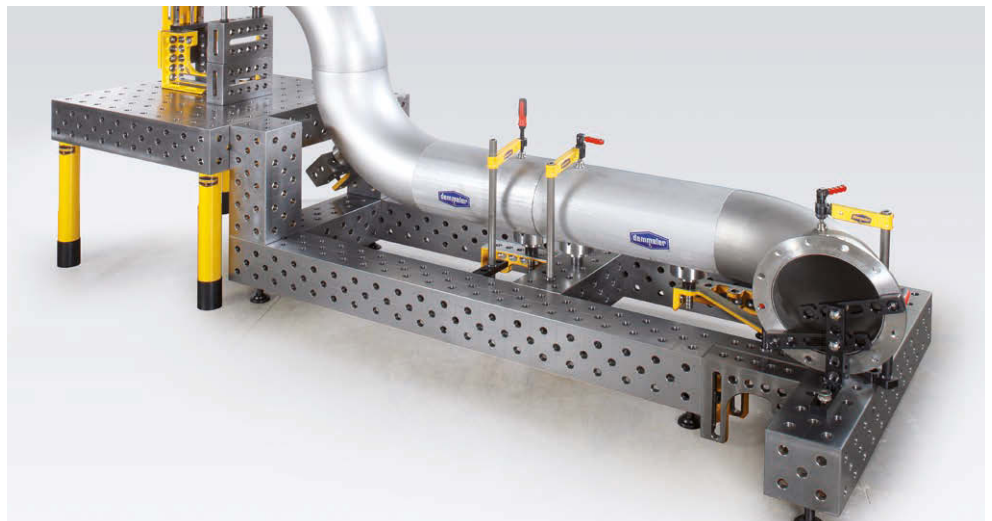
Description ▲

Both face sides
in 50 × 50 mm grid



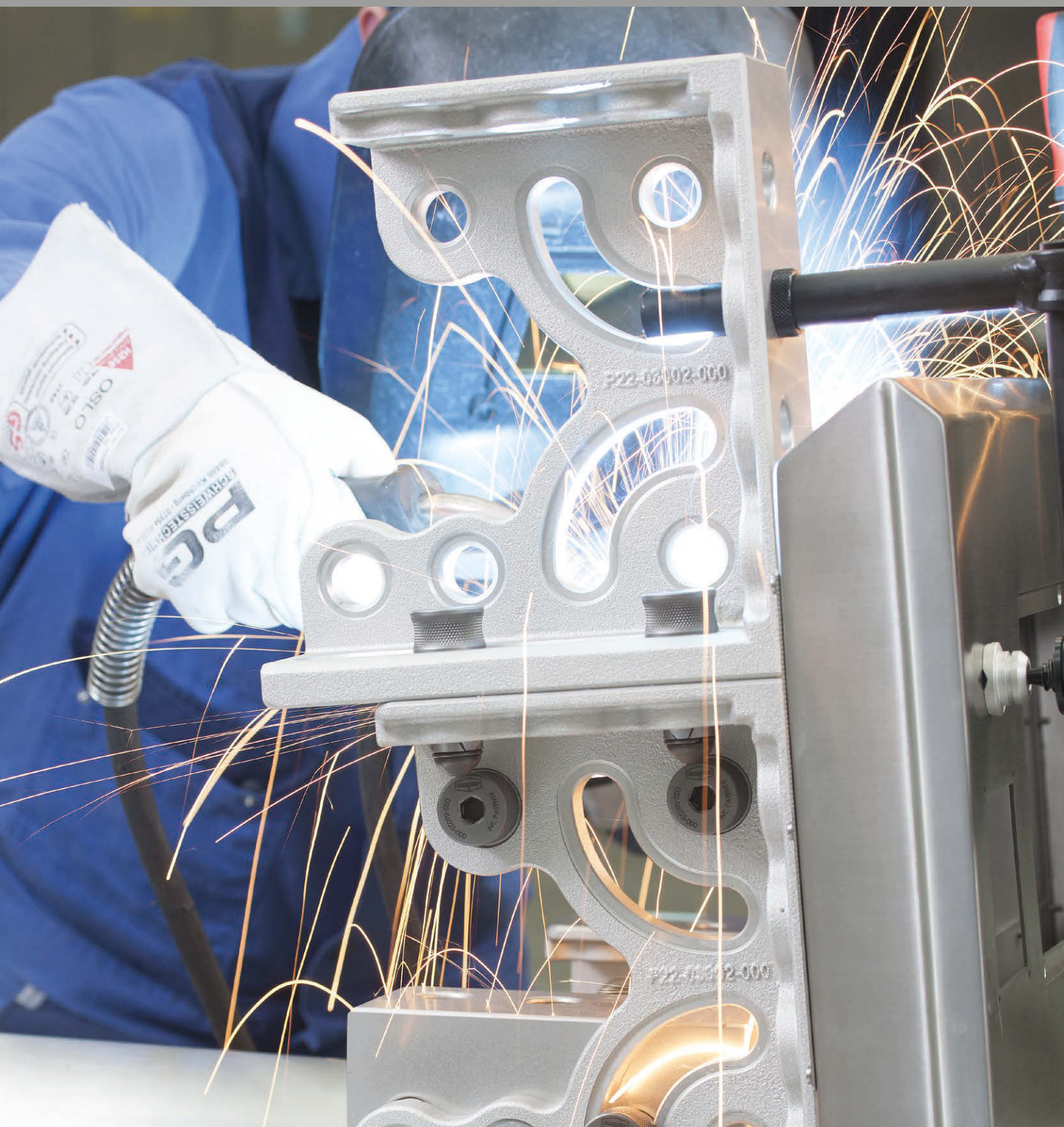
↑
Open side facing down

Application ▼

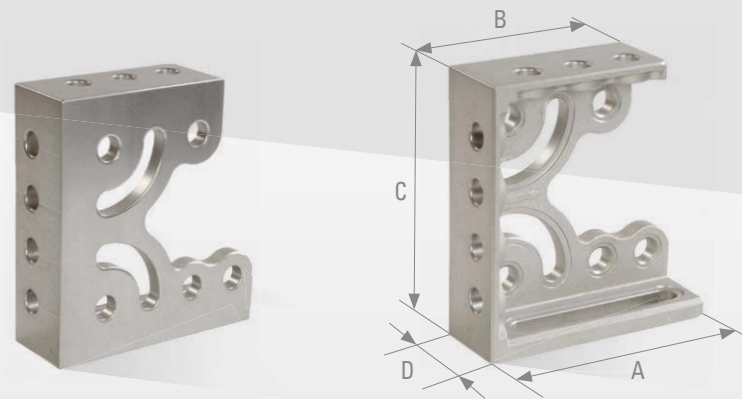


U-shape spacer block

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	250	150	150	17	50x50 grid	D22-04002-000
	500	150	150	30	50x50 grid	D22-04002-001
	1000	150	150	55	50x50 grid	D22-04002-002

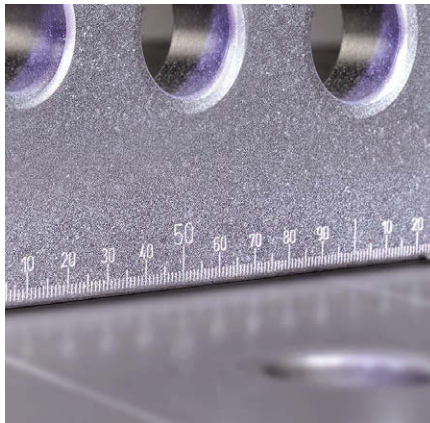



Clamping and locating angle aluminium-titanium 250



Right
P22-03002-002

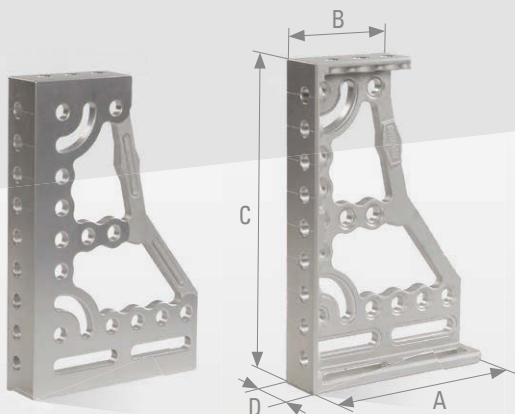
Left
P22-03002-003

Description ▼	Application ▼	Protective countersink ▼
<ul style="list-style-type: none"> Reinforcements in the corners with kidney-shaped 90° system groove enable continuously variable use, including in angular adjustments For 40% improved rigidity Higher number of cross braces with bores Extended face plate with additional bore 50 mm bore hole grid on all faces 4 stop faces/usable surfaces D22 bore hole with 50 mm spacing 2 x kidney-shaped 90° system groove With precision scaling Anodised 	 <p>1 mm precision scaling</p>	 <p>Optimum bolt and clamp insertion with simultaneous protection of the table top against damage from materials, even in the event of extreme strain on the system bore or when used with aluminium.</p>

Clamping and locating angle aluminium-titanium 250

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	225	180	250	80	3.3	right	P22-03002-002
	225	180	250	80	3.3	left	P22-03002-003

PROFIPlusLINE



Right
P22-03003-002

Left
P22-03003-003



Right
P22-03004-000



Left
P22-03004-001

Description ▼

- Reinforcements in the corners with kidney-shaped 90°-system groove enable continuously variable use including in angular adjustments
- For 40% improved rigidity
- Higher number of cross braces with bores
- Extended face plate with additional bore
- 50 mm bore hole grid on all faces
- 4 stop faces/usable surfaces
- D22 bore hole with 50 mm spacing
- 2 x kidney-shaped 90° system groove
- With precision scaling
- Anodised

Application ▼



1 mm precision scaling

Clamping and locating angle aluminium-titanium 500

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	325	180	500	80	6.4	right	P22-03003-002
	325	180	500	80	6.4	left	P22-03003-003

Clamping and locating angle aluminium-titanium 750

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	325	180	750	80	8.3	right	P22-03004-000
	325	180	750	80	8.3	left	P22-03004-001

Clamping and locating angle 500

Clamping and locating angle 750

NEW

PROFIEcoLINE



DEMONT 760 M
BLACK EDITION
THE NEW HARDNESS



Right
PE22-03003-000



Left
PE22-03003-001



Right
PE22-03004-000

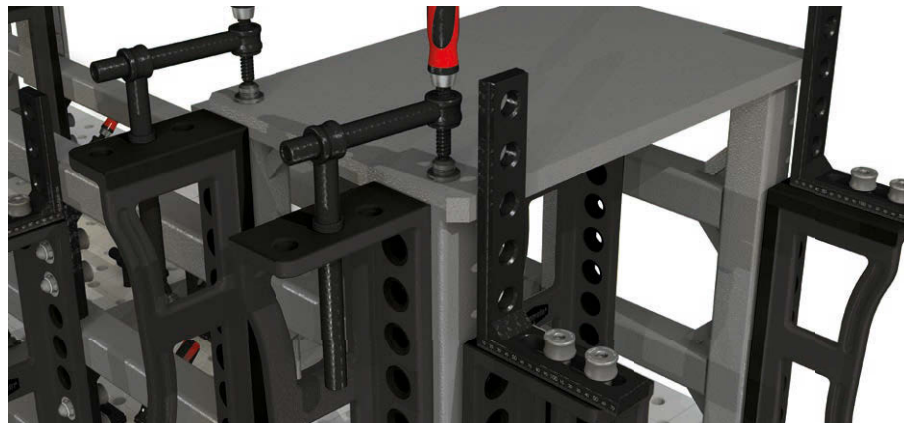


Left
PE22-03004-001

Description ▼

- DEMONT 760 M Black Edition – Hardened casting
- The Eco range. Reduced to the essential and yet extremely flexible. Designed for all popular stop and clamping applications, with system bores in a size 50 grid and 3 usable stop faces –and at the same time really affordable. The solution for those who simply don't need more.
- Cost-effective version
- Three supporting surfaces

Application ▼



Clamping and locating angle 500

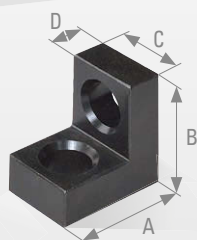
D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	275	175	500	80	13.5	right	PE22-03003-000
	275	175	500	80	13.5	left	PE22-03003-001

Clamping and locating angle 750

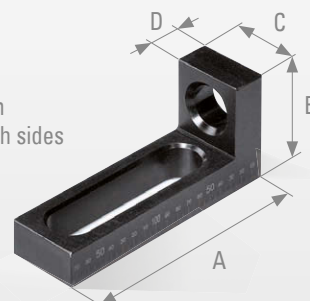
D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	275	175	750	80	17.5	right	PE22-03004-000
	275	175	750	80	17.5	left	PE22-03004-001

75 x 75 mm bore/bore

175 x 75 mm bore/oblong hole



With precision
scaling on both sides



Description ▼

- Ideal for confined spaces
- Continuously height-adjustable contact surfaces
- Hardened steel

Description ▼

- Dimension adjustment possible using grid lines on 3D welding table
- Continuous adjustment and locking via oblong hole
- Ideal for confined spaces
- Combination of bore/oblong hole
- Hardened steel
- Precision scaling

Clamping and locating angle 75 x 75 mm (bore/bore)

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	75	75	50	18	1.0	Demont 760 M	D22-03001-008

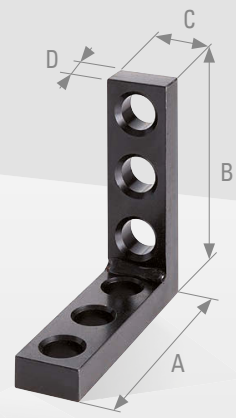
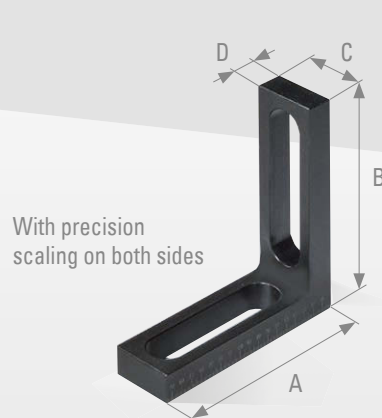
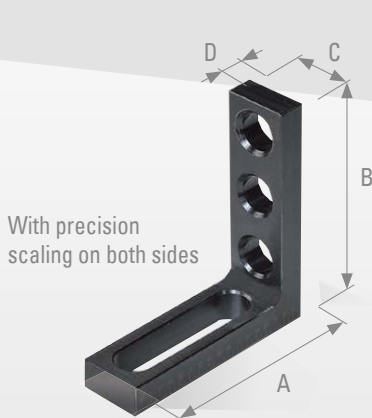
Clamping and locating angle 175 x 75 mm (bore/oblong hole)

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	175	75	50	18	1.4	Demont 760 M	D22-03001-005

175 x 175 mm bore/oblong hole

175 x 175 mm oblong hole/oblong hole

175 x 175 mm bore/bore



Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none"> • Combination of system bores/oblong hole and therefore many clamping possibilities • Hardened steel • Two full angle surfaces, therefore can be used from both sides • Dimension adjustment possible using grid lines on 3D welding table • Compatible with all clamping and locating angles so that the oblong hole can be used to form a height-adjustable support • Precision scaling on both sides 	<ul style="list-style-type: none"> • Dimension adjustment possible using grid lines on 3D welding table • Continuous adjustment and locking • Ideal for confined spaces • Hardened steel • Precision scaling on both sides 	<ul style="list-style-type: none"> • Dimension adjustment possible using grid lines on 3D welding table • Ideal for confined spaces • Hardened steel

Clamping and locating angle 175 x 175 mm (bore/oblong hole)

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	175	175	50	18	2.7	Demont 760 M	PE22-03001-000

Clamping and locating angle 175 x 175 mm (oblong hole/oblong hole)

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	175	175	50	18	1.75	Demont 760 M	D22-03001-003

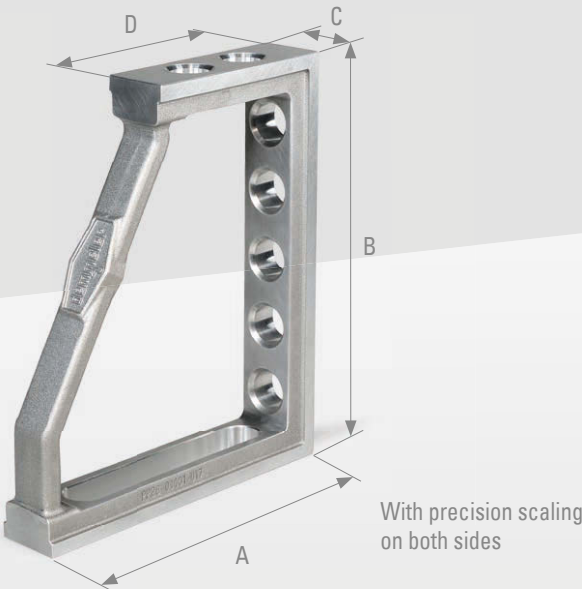
Clamping and locating angle 175 x 175 mm (bore/bore)

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	175	175	50	18	2.5	Demont 760 M	D22-03001-004

Clamping and locating angle 300 x 250 mm aluminium-titanium

NEW PROFIPremiumLINE

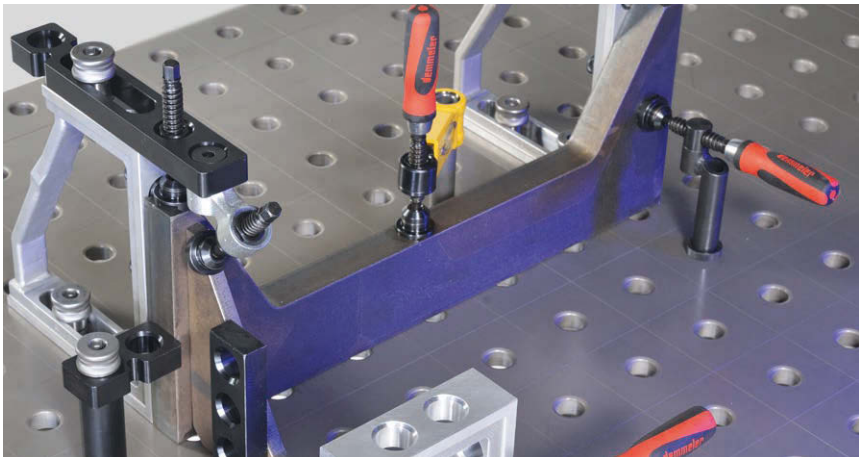
PROFIPremiumLINE



Description ▼

- Extended face plate with two bores in the face plate
- Extended mounting plate with oblong hole 150 – therefore moveable on 50 mm grid
- Precision scaling

Application ▼



Clamping and locating angle 300 x 250 mm aluminium-titanium

D22	A in mm	W in mm	C in mm	D in mm	Approx. weight in kg	Description	Article no.
	250	300	50	150	13.3	Aluminium-titanium	PP22-03001-017

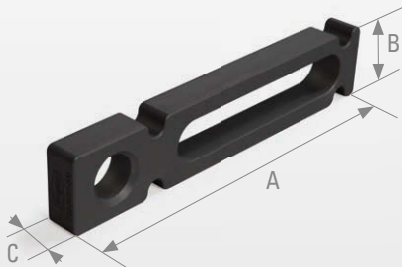
NEW

Universal stop

Universal stop, large, L 225

Universal stop, large

Universal stop, large, L 300



Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none"> • Combination of system bore/oblong hole – therefore many clamping possibilities • With PPS bolt in table hole pattern 5-sided locking and fixation in 25 mm grid • 360° adjustable position in 45°-increments • Continuous adjustment via oblong hole • Hardened steel 	<ul style="list-style-type: none"> • Combination of system bore/oblong hole, and therefore many clamping possibilities • Precision scaling 	<ul style="list-style-type: none"> • Larger stop range than with large universal stop • Three system bores • For bridging larger bearing surfaces • Used as a lateral stop for large beams

Universal stop, large, L 225

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	225	50	18	0.23	Demont 760 M	D22-05001-000

Universal stop, large

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	225	50	18	0.28	Demont 760 M	D22-05001-010

Universal stop – large, L 300

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	300	50	18	0.39	Demont 760 M	D22-05009-000

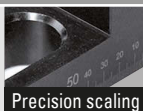
Universal stop, L 500

Universal stop – small, L 100

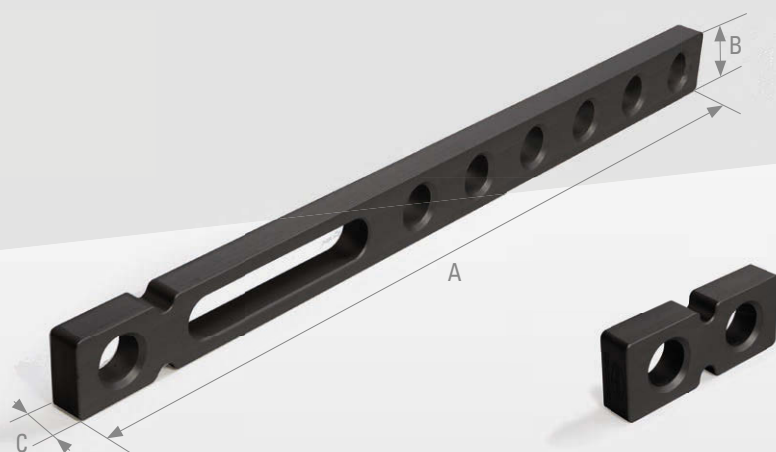
Displacement stop, L 150

NEW

DEMONT 760 M
BLACK EDITION
THE NEW HARDNESS



Precision scaling



With precision scaling
on both sides

Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none"> • Larger stop range than with large universal stop • Seven system bores • For bridging larger bearing surfaces • Used as a lateral stop for large beams 	<ul style="list-style-type: none"> • Preferred use in confined work areas • Simple version 	<ul style="list-style-type: none"> • Precision scaling on both sides • Continuously adjustable with scale on both sides

Universal stop, L 500

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	500	50	18	0.7	Hardened steel	D22-05009-008

Universal stop, small, L 100

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	100	50	18	0.15	Hardened steel	D22-05002-000

Displacement stop, L 150

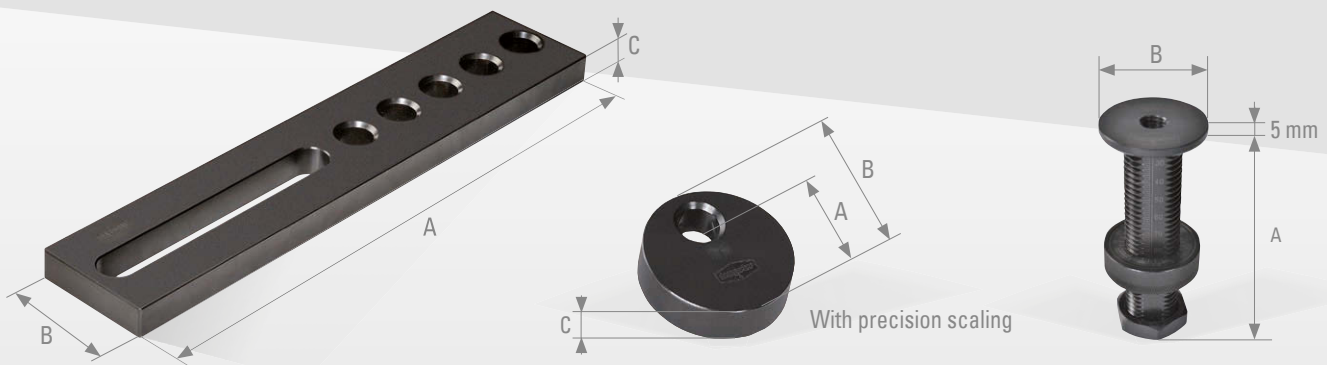
D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	150	50	18	0.023	Hardened steel	D22-05015-000

Stop strip, L 500

Stop washer

Spacer set with thread

NEW



Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none"> • Very long and sturdy version and therefore large bearing surface for large components or long distances • Continuous adjustment via oblong hole • Combination of system bore/oblong hole, and therefore many clamping possibilities • Hardened steel 	<ul style="list-style-type: none"> • Used as a stop or support • Attached with a connection bolt • Continuous adjustment by turning / (adjustment path A) • Low space requirement • Precision scaling 	<ul style="list-style-type: none"> • Continuous height adjustment • Used as support surface on system components or directly on the table • Adjustment path 22-105 mm continuous • With 0.1 mm precision scaling • Max. load capacity 500 kg • Blackened • Includes counter nut M22

Stop strip, L 500

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	500	100	18	0.6	Hardened steel	D22-05003-000

Stop washer

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Description	Article no.
	50	75	18	0.6	Hardened steel	D22-05013-000

Spacer set with thread

D22	A in mm	Ø B in mm	Approx. weight in kg	Article no.
	20-100+5	45	0.8	D22-09001-005

Spacer set 10-part/12-part

NEW

Height adjustment in mm range



DEMONT 760 M
BLACK EDITION
THE NEW HARDNESS



Description ▼

- For 5-100 height compensation on the respective support surface
- Smallest increment 1 mm
- Includes 1/10 inch disk (2.54 mm)
- With dimensions of the compensating disks
- Support mandrel fits system bore 22
- Self-locking with O-ring
- Exact positioning to your height via bearersleeves in various lengths or with continuously adjustable threaded spacer set

D22	A in mm	Ø B in mm	Approx. weight in kg	Description	Article no.
	100+5	28	2	11-piece spacer set	D22-09001-000
	5	28	0.38	Individual support mandrel	00097259
	1	50	0.01	Bearer sleeve L1	00097269
	2	50	0.02	Bearer sleeve L2	00097268
	2.5	50	0.03	Bearer sleeve L2.5	00097267
	3	50	0.04	Bearer sleeve L3	00097266
	4	50	0.05	Bearer sleeve L4	00097265
	5	50	0.06	Bearer sleeve L5	00097264
	10	50	0.12	Bearer sleeve L10	00097263
	20	50	0.24	Bearer sleeve L20	00097262
	40	50	0.47	Bearer sleeve L40	00097261
	50	50	0.59	Bearer sleeve L50	00097260

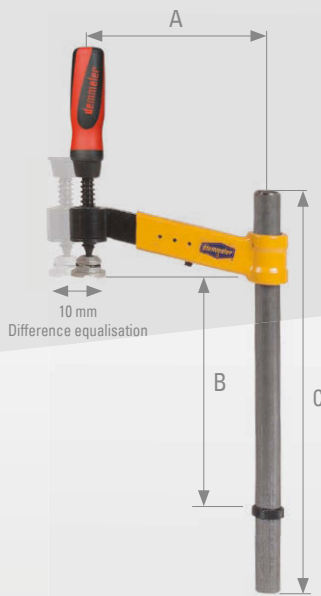
Flexible right down to the last detail

Thanks to the modular concept, the clamps also adapt perfectly to different clamping situations. Choose from various materials for the clamping pad and different spindle lengths, also for small installation spaces. The latch lever enables quick and precise clamping, even with one hand. With three different tube lengths and exchangeable arms, you'll be prepared for any clamping requirement.



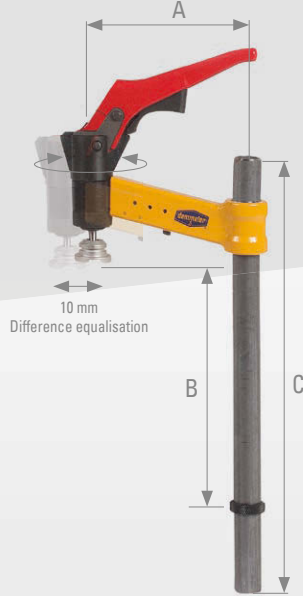
Compensating swing clamp 180°

with spindle L 125



Compensating swing clamp 180°

with quick-action clamping cylinder L 125



Screw clamp 180°

with spindle



Description ▼

- For fast, powerful and accurately positioned clamping of many different work pieces
- With difference equalisation for accurately oriented positioned work piece clamping
- With stop ring for height fixation
- Exchangeable actuator (e.g. spindle, short boring spindle or quick-action clamping cylinder)
- Entire clamping mechanism is fully interchangeable

Description ▼

- Up to 5 x faster clamping than with conventional screw clamps
- Greater clamping force achieved quickly with little effort
- 360° swivelling lever bypasses interfering edges
- Large stroke
- Entire clamping mechanism is fully interchangeable

Description ▼

- Each tube can be used individually
- Adjustable projection
- Can be inserted through system bore eliminating unnecessary interfering edges
- Highest force transmission with sturdy round tubes
- Entire clamping mechanism is fully interchangeable

Compensating swing clamp 180° with spindle L 125

D22	A in mm	B clamping width in mm	C in mm	Approx. weight in kg	Article no.
	125-175	max. 210	300	1.5	D22-07001-000

Compensating swing clamp 180° with quick-action clamping cylinder, L 125

D22	A in mm	B clamping width in mm	C in mm	Approx. weight in kg	Article no.
	125-175	max. 210	300	1.8	D22-07001-001

Screw clamp 180° with spindle

D22	A in mm	B clamping width in mm	C in mm	Approx. weight in kg	Article no.
	150	max. 100	175	1.2	D22-07005-000



Screw clamp 180°

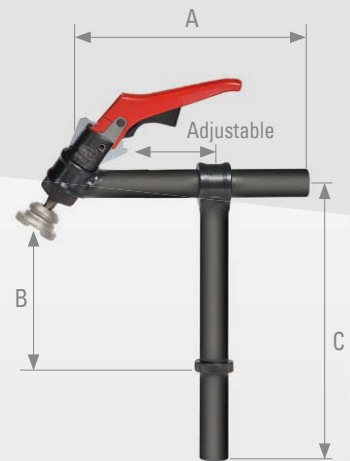
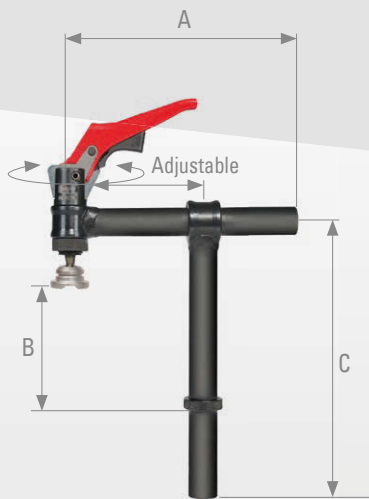
with quick-action clamping cylinder

Swing clamp 45°

with spindle

Swing clamp 45°

with quick-action clamping cylinder



Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none"> • Up to 5 x faster clamping than with conventional screw clamps • Greater clamping force achieved quickly with little effort • 360° swivelling lever bypasses interfering edges • Highest force transmission with sturdy round tubes • Entire clamping mechanism is fully interchangeable • Large stroke 	<ul style="list-style-type: none"> • Highest force transmission with sturdy round tubes • ideal for clamping prismatic profiles as well as rectangular or square profiles • Entire clamping mechanism is fully interchangeable 	<ul style="list-style-type: none"> • Up to 5 x faster clamping than with conventional screw clamps • Greater clamping force achieved quickly with little effort • 360° swivelling lever bypasses interfering edges • Highest force transmission with sturdy round tubes • Entire clamping mechanism is fully interchangeable • Large stroke

Screw clamp 180° with quick-action clamping cylinder

D22	A in mm	B clamping width in mm	C in mm	Approx. weight in kg	Article no.
	150	max. 100	175	1.5	D22-07005-001

Swing clamp 45° with spindle

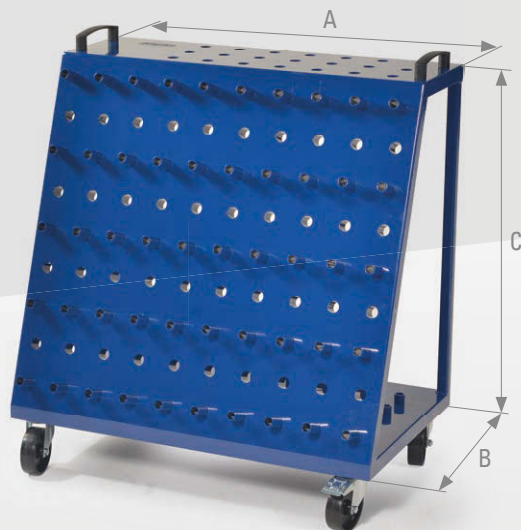
D22	A in mm	B clamping width in mm	C in mm	Approx. weight in kg	Article no.
	180	max. 100	175	1.2	D22-07009-000

Swing clamp 45° with spindle

D22	A in mm	B clamping width in mm	C in mm	Approx. weight in kg	Article no.
	180	max. 100	175	1.5	D22-07009-001



D22 accessory trolley



Clever toolbox



Without table or accessories

Description ▼

- For easy removal of PPS bolts
- Creates a tidy and orderly workstation
- Faster access to system components
- Large angles are safely and conveniently stored inside the cart.
- Can be quickly transported via four sturdy 360° swivelling castors, one of which can be locked

System components
not included

D22 accessory trolley

D22	A in mm	W in mm	C in mm	~ weight in kg	Article no.
	~ 800	~ 503	~ 1068	59.2	D22-11001-000

Clever toolbox

D22	A in mm	W in mm	C in mm	~ weight in kg	Article no.
	980	780	520	65	D22-11001-015

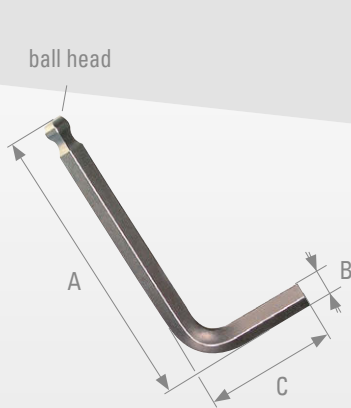
Description ▼

- An ingeniously-designed extendible accessory box
- Saves space and time, protects tools and can be locked
- The "clever toolbox" can be mounted on all four sides and has a load capacity of up to 170 kg
- The "clever toolbox" is easy to access thanks to its ground clearance (10 cm)
- The protective plate integrated under the table protects it from dirt and weld spatter



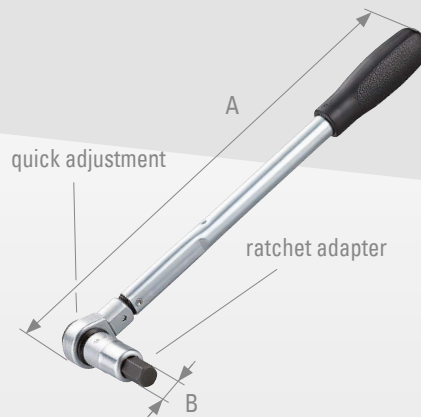
Hexagonal wrench

AF 10

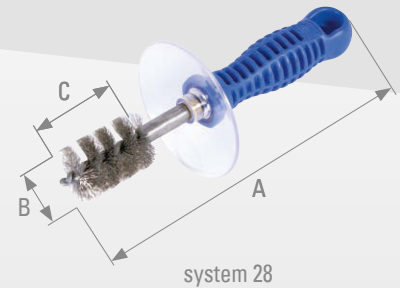


Torque wrench

AF 10



Round brush



Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none"> For PPS bolts and compensating clamping arm with hexagonal Easy accessibility due to additional ball head 	<ul style="list-style-type: none"> Pre-set to xx Nm for controlled tightening of PPS bolts, avoiding damage to the system bore and bolt by over-tightening. Includes 1 x ratchet adapter, adjustable (left/right) and 2 x sockets AF 10 	<ul style="list-style-type: none"> For cleaning the system bores With splash guard

Hexagonal wrench AF 10

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Article no.
	approx. 112	AF 10	approx. 55	0.10	D22-10008-001

Hexagonal wrench AF 10

D22	A in mm	W in mm	Approx. weight in kg	Article no.
	348	AF 10	0.8	D22-10015-000

Round brush

D22	A in mm	W in mm	C in mm	Approx. weight in kg	Article no.
	200	22	approx. 45	0.12	D22-10002-000

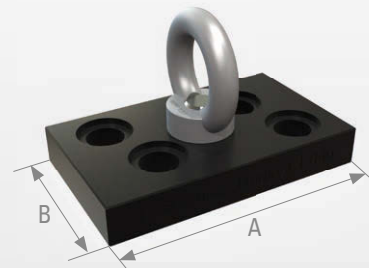
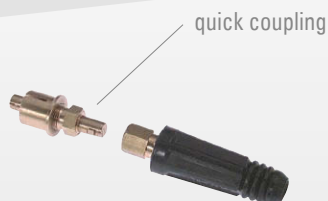


Bench stone

D22 ground connector

D22 transport ring

NEW



Description ▼					
<ul style="list-style-type: none"> For the maintenance of system surfaces on welding tables and system components 					
<ul style="list-style-type: none"> Fits every system bore 100% contact, therefore no overheating of ground cable >> high efficiency factor For cable cross-section 50 - 70 mm², for loads of up to 500 A Simple and safe installation (without interfering edges) Compatible with common ground cables 					
<ul style="list-style-type: none"> For fast and safe transport of all system components (e.g. welding table) Attachment with 2 x PPS bolts (D22-06025-000 or E22-06025-000) Powder coated 					
<p>NOTE:</p> <ul style="list-style-type: none"> Transport ring D00-10001-000 must always be attached with at least 2 x PPS bolts. D22 max. tightening torque: 25 Nm (bolts are not included in the transport ring's scope of delivery) Do not use countersunk head bolts. Only use transport ring for Demmeler 3D systems. Observe the in-house operating instructions Only use undamaged transport ring and PPS bolts. When using the transport ring, observe the general regulations for the means of transport. Load capacity can be significantly reduced depending on the operating conditions. Loads may only be applied to the transport ring in the ring plane. Do not exceed the load capacity. Do not allow personnel to stand underneath suspended loads. 					
Bench stone					
D22	A in mm	W in mm	C in mm	Approx. weight in kg	Article no.
	200	50	25	0.56	D00-10007-000
D22 ground connector					
D22	A in mm	W in mm	C in mm	Approx. weight in kg	Article no.
	—	—	300	0.34	D00-10009-000
D22 transport ring					
D22	A in mm	W in mm	Approx. weight in kg	Article no.	
	190	100	4.72	D22-10001-000	

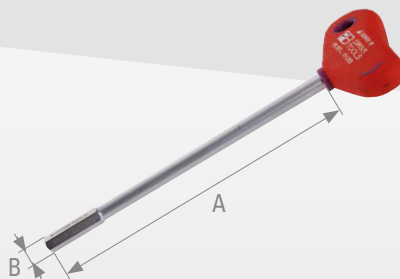
Pump bottle

With 1 L anti-spatter spray



Hexagonal wrench

With cross-handle AF 10



Assembly lever

Clamping and releasing made easy



Description ▼	Description ▼	Description ▼
<ul style="list-style-type: none">• Prevents weld spatter from adhering to the surface• Temporary corrosion resistance lasting approx. one day• Good cleaning effect• Pressurised, sturdy version• Includes anti-spatter spray for welding table systems• Capacity: 1 litre• Warning: do not dilute with water.• Non-combustible• Does not contain chlorinated hydrocarbons• Biodegradable• Silicone-free	<ul style="list-style-type: none">• Ergonomic handle for optimum tightening	<ul style="list-style-type: none">• Suitable for clamping and releasing D22 PPS bolts• For easy removal of D22 PPS bolts• Handle also used for pre-centring

Pump bottle with 1 litre anti-spatter spray


D22	A in mm	W in mm	Description	Article no.
	280	100	with 1 litre welding spray	D00-10005-000

Hexagonal wrench with cross-handle AF 10

D22	A in mm	W in mm	Approx. weight in kg	Article no.
	200	AF 10	0.18	D22-10008-003

Assembly lever

D22	A in mm	W in mm	Approx. weight in kg	Article no.
	250	40	0.72	D22-10016-001

A close-up photograph showing a person's hand operating a black metal assembly lever. The lever is being used to clamp a silver-colored bolt onto a perforated metal plate. The plate has a grid of circular holes. The lever has a long handle and a curved end that fits around the bolt head.



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