



PROTOTYPE CONSTRUCTION FOR FUTURE MOBILITY

At Best inn Metalltechnik in Roding, DEMMELER 3D welding tables are used to create vehicle chassis for the cars of tomorrow.



EXCELLENT, HIGH PRECISION CRAFTSMANSHIP MADE EASY Page 4



PERFECT ACCESSORIES FOR COSTEFFICIENT WORKING Page 6



MAXIMUM FLEXIBLE CLAMPING AND ASSEMBLY Page 14



EXPANSION OF THE PRODUCTION AND LOGISTICS AREA AT THE HEIMERTINGEN SITE TO OVER 20,000M²

HIGH PERFORMANCE 2018⁺

Ladies and gentlemen,
business partners and customers,

To meet further growth and do justice to the high international demand for Original DEMMELER 3D welding tables, major future investments have been made in buildings and machinery under the guiding theme of HIGH PERFORMANCE 2018+ at the company's Heimertingen location. New, ultra-modern buildings over an area of 7500 m² were erected in record time, housing the new DEMMEL logistics centre. The aim of these extensive investments is to increase the availability of our catalogue items to over 97% as quickly as possible and to supply our valued customers in the shortest possible time. The permanent improvement process of our products, services and business processes paired with a high willingness to invest guarantees our well-known customers a valuable top product and therefore security in their investment as well as a high level of future security for our company and employees.

With the 3D clamping system we invented and our manipulators, you optimize both your production processes as well as the quality of your products. Especially in the fields of welding and assembly. Also in this issue of **weldingnews** we have again put together some interesting products for you.

We are very pleased to convince you of our ORIGINAL product quality „Made in Germany“.

Kind regards
Johannes Demmeler
Executive Partner

TRADE FAIR DATES 2019



BAU 2019 MUNICH
14/01 – 19/01/2019

INTEC LEIPZIG
05/02 – 08/02/2019

EMO HANNOVER
16/09 – 21/09/2019

Blechexpo STUTTGART
05 – 08/11/2019

GET IT NOW!

D28 D16 D22

Modular clamping with a system: The current DEMMELER general catalogue - available in 14 languages

As the inventor of the modular 3D welding table and clamping systems, we shape our development and innovation around the modular clamping and manipulation of components. We have developed and redesigned countless products. The new edition of our general catalogue comprises **620 pages** and offers a complete overview of our entire product range with many interesting example applications. We are happy to send you the printed or digital catalogue.

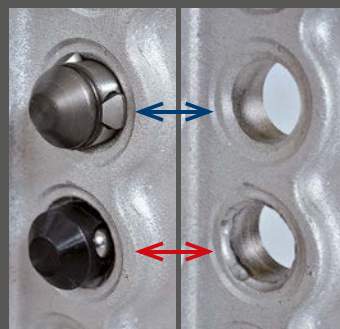


Original DEMMELER polygon bolts

Also
suitable for
aluminium



- Low pressure
- High clamping force
- Wear-free
- Dirt-free
- 100 x larger support surface



MORE POWER, LESS WEAR

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. Even force distribution also reduces bore hole wear compared to conventional bolts.

The optimum 3D welding table for every application. Innovative details for even more efficiency.

Ø 28

Ø 16



D28 D22 **Clever toolbox**
with a double drawer for all system parts and plenty of space for difficult angles

SYSTEM SIZES AND PRODUCT ADVANTAGES OF THE 3D CLAMPING SYSTEM FROM DEMMELER!

Optimum positioning of the work piece not only makes work more accurate but also much more effective. In addition to hardness, system tables from DEMMELER have clear advantages compared to conventional tables. These include intelligent system grids, axis designations with fine scaling, additional drill holes and protective countersinks for optimum protection of tools and table surfaces.

FOR DELICATE APPLICATIONS

D16 PROFIPlusLINE (PL)

- Diagonal grid 50 x 50 mm
- 3-row bore pattern on the table side plates, 50 mm grid in the top, middle and bottom row



D16 PROFIEcoLINE (PE)

- Grid 50 x 50 mm
- 3-row bore pattern on the table side plates, 50 mm grid in the top, middle and bottom row



FOR LIGHT AND MEDIUM-DUTY APPLICATIONS

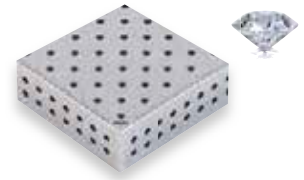
D22 PROFIPremiumLINE (PP)

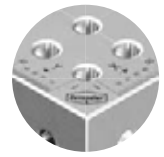
- Grid 50 x 50 mm
- 3-row bore pattern on the table side plates, 50 x 50 mm diagonal grid



D22 PROFIPlusLINE (PL)

- Diagonal grid 100 x 100 mm
- 2-row bore pattern on the table side plates, 50 mm grid





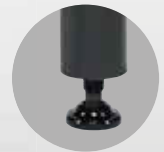
Precision scaling



Protective countersink



Additional bores



Foot sleeve

Ø 22



Original 3D welding tables from DEMMELE stand out due to their extreme robustness and durability. With the specially optimised DEMONT hardening process, you get the best surface properties with a hardness of up to 860 Vickers - making them even more wear-free and durable.

FOR EVERYDAY AND LARGE WELDING CONSTRUCTION

D28 PROFIPremiumLINE (PP)

- Grid 50 x 50 mm
- 3-hole drilling pattern in the table side plates, 50 mm grid in the top and bottom rows with additional 100 mm grid in the middle



D28 PROFIPlusLINE (PL)

- Diagonal grid 100 x 100 mm
- 3-hole drilling pattern in the table side plates, 50 mm grid in the top and bottom rows with additional 100 mm grid in the middle



D28 PROFIEcoLINE (PE)

- Grid 100 x 100 mm
- 3-hole drilling pattern in the table side plates, 50 mm grid in the top and bottom rows with additional 100 mm grid in the middle



D28 HobbyLINE (H)

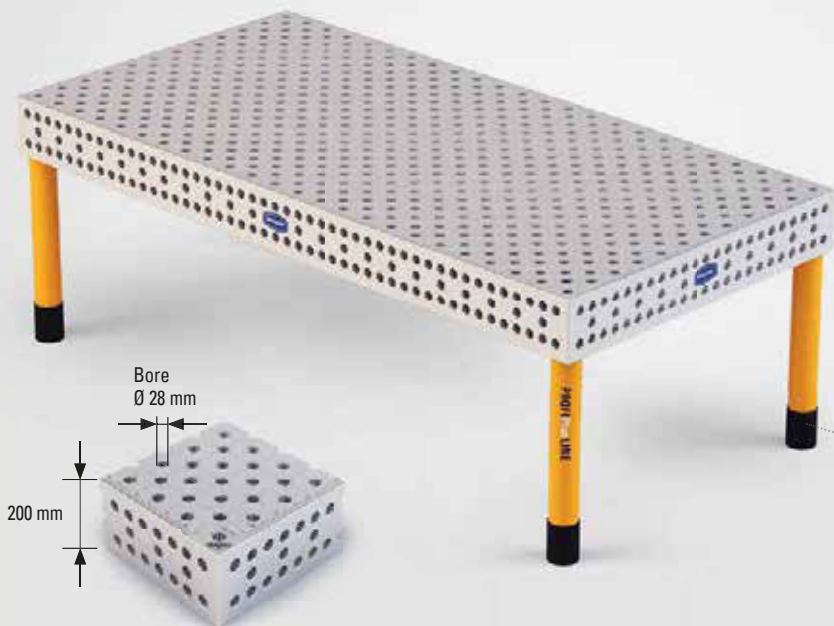
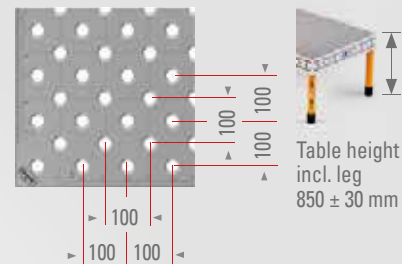
- Grid 100 x 100 mm
- Worktop approx. 25 mm high with system bores in a 100 mm x 100 mm grid



D28 system

3D welding table PROFIPlusLINE (PP) 28

DEMMELER 3D welding table PROFIPlusLINE (PL) 28



- Worktop with D28 system bores in a 100 mm x 100 mm double grid
- 3-hole drilling pattern in the table side plates, 50 mm grid in the top and bottom rows with an additional 100 mm grid in the middle
- Table sizes optionally available in hardened version, DEMONT 760 M and DEMONT 860 M, (up to 860 Vickers)
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y-direction

Pendulum foot with stable M 30 x 2 threaded spindle, finely adjustable ± 30 mm.
Foot sleeve prevents the welding hose from getting trapped and protects the threaded spindle from dirt.

HARDNESS
DEMONT 760 M

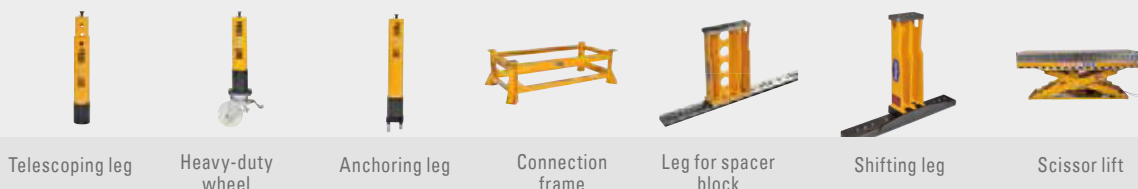
HARDNESS
DEMONT 860 M

Table size L x W	TABLE WITH STANDARD LEG	HARDENED DEMONT 760 M	HARDENED DEMONT 860 M
1000 x 1000 mm	PL28-01001-001	PL28-01001-011	PL28-01001-021
1200 x 800 mm	PL28-11019-001	PL28-11019-011	PL28-11019-021
1500 x 1000 mm	PL28-01011-001	PL28-01011-011	PL28-01011-021
1200 x 1200 mm	PL28-01056-001	PL28-01056-011	PL28-01056-021
1500 x 1500 mm	PL28-01031-001	PL28-01031-011	PL28-01031-021
2000 x 1000 mm	PL28-01002-001	PL28-01002-011	PL28-01002-021
2000 x 2000 mm	PL28-01006-001	PL28-01006-011	PL28-01006-021
2400 x 1200 mm	PL28-01003-001	PL28-01003-011	PL28-01003-021
3000 x 1500 mm	PL28-01004-001	PL28-01004-011	PL28-01004-021
4000 x 2000 mm	PL28-01005-001	PL28-01005-011	PL28-01005-021
4800 x 2400 mm	PL28-11085-001	PL28-11085-011	PL28-11085-021

Special sizes available upon request! On request the table is also available in a cast or stainless steel version!

Errors and changes reserved.
Offer is non-binding.

DIFFERENT LEG VARIETIES
ARE AVAILABLE UPON
REQUEST.



Accessory sets PROFIPlusLINE (PL) 28

	D 710	D 720	D 730		
	4	4	4	PE28-03001-000	Clamping and locating angle 175 x 175 x 50 mm
	2	4		D28-03001-005	Clamping and locating angle 175 x 75 x 50 mm
	2	1		PL28-03002-000	Clamping and locating angle right 300 x 275 mm
	2	1		PL28-03002-001	Clamping and locating angle left 300 x 275 mm
			1	PL28-03003-000	Clamping and locating angle right 600 x 375 mm
			1	PL28-03003-001	Clamping and locating angle left 600 x 375 mm
	2	2	4	PE28-03008-000	Clamping and locating angle 275 x 175 x 50 mm
	4	2	4	D28-05001-000	Universal stop /size 225 x 50 x 25 mm
		4	2	D28-05003-000	Stop strip L 500 - 500 x 100 x 25 mm
			2	D28-05003-001	Stop strip L 800 - 800 x 100 x 25 mm
	2	4	4	D28-05009-000	Universal stop L 300 - 300 x 50 x 25 mm
			2	D28-05013-000	Locating disk Ø 75 - 25-50 mm
		2	2	D28-05013-001	Locating disk Ø 100 - 25-75 mm
			2	D28-05013-010	Angle-setting template
	4	4	4	D28-05015-000	Displacement stop 150, 50x25 mm
	12	20	24	D28-06001-000	PC-bolt, short
			2	D28-06002-000	PC-bolt, long
	6	10	12	D28-06009-000	Stop and positioning bolt Ø 28
		2	2	D28-07001-000	Compensating swing clamp 150 mm with spindle
	4	2	2	D28-07002-000	Compensating swing clamp 200 mm with spindle
		4	4	D28-07005-000	Screw clamp 180° with spindle, vertical tube 220 mm
		4	4	D28-07005-014	Screw clamp 180° with spindle, vertical tube 350 mm
			4	D28-07005-015	Screw clamp 180° with quick-action clamping cylinder
		2	4	D28-07008-000	Variable screw clamp 90° with adjusting screw
	4	4	4	D28-07009-000	Variable screw clamp 45° with adjusting screw
			4	D28-07009-011	Variable screw clamp 45° with spindle, clamping tube 350 mm
		2	2	D28-09001-000	11-Piece spacer set Ø 50 x 225 mm
			2	D28-09001-005	Spacer set with thread Ø 50
			8	D28-09003-000	Prism holder steel, burnished Ø 58 mm
	1	1	1	D28-10002-000	Round brush Ø 28
		1	1	D00-10007-000	Bench stone
			1	D00-10009-000	Earth connection D 16 / D 28
	1	1	1	D00-10016-001	Extraction tool - 250 x 40 mm, AF 14



ITEM NO.: D28-52000-710 (44-PIECE)

PROFIPlusLINE (PL) 28 Set D 710



ITEM NO.: D28-52000-720 (81-PIECE)

PROFIPlusLINE (PL) 28 Set D 720



ITEM NO.: D28-52000-730 (120-PIECE)

PROFIPlusLINE (PL) 28 Set D 730



Surcharge PPC bolt

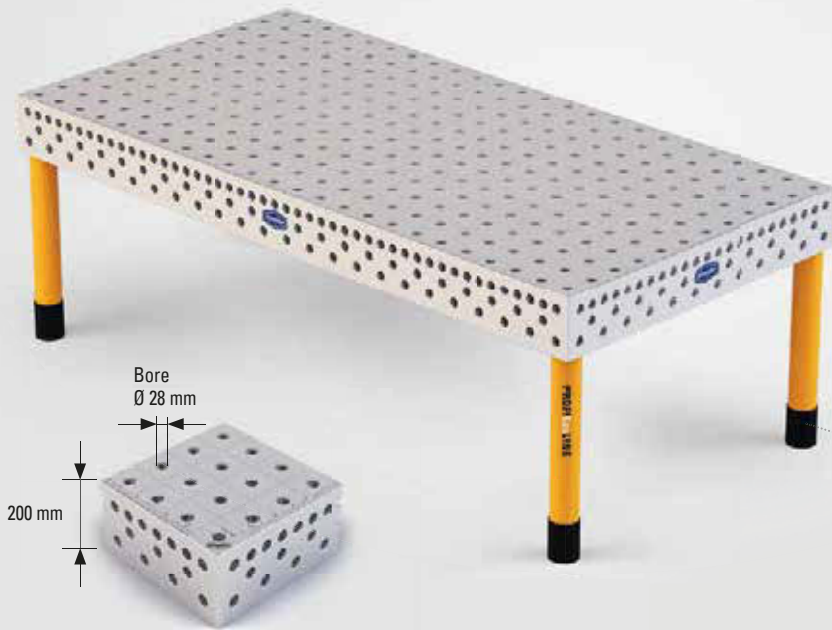
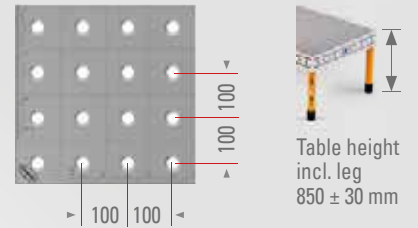
- Set D710 D28-52000-711
- Set D720 D28-52000-721
- Set D730 D28-52000-731

You can individually assemble or supplement your sets with the large selection of DEMMELER accessories. The DEMMELER general catalogue is available at www.demmeler.com.

D28 system

3D welding table PROFIEcoLINE (PE) 28

DEMMELER 3D welding table PROFIEcoLINE (PE) 28



- Worktop with D28 system bores in a 100 mm x 100 mm grid
- 3 drilling pattern in the table side plates, 50 mm grid in the top row with additional 100 mm grid in the middle and bottom rows
- Table sizes optionally available in hardened version, DEMONT 760 M and DEMONT 860 M, (up to 860 Vickers)
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y-direction

Pendulum foot with stable M 30 x 2 threaded spindle, finely adjustable ± 30 mm.
Foot sleeve prevents the welding hose from getting trapped and protects the threaded spindle from dirt.



HARDNESS DEMONT 760 M  **HARDNESS DEMONT 860 M** 

Table size L x W	TABLE WITH STANDARD LEG	HARDENED DEMONT 760 M	HARDENED DEMONT 860 M
1000 x 1000 mm	PE28-01001-001	PE28-01001-011	PE28-01001-021
1200 x 800 mm	PE28-11019-001	PE28-11019-011	PE28-11019-021
1500 x 1000 mm	PE28-01011-001	PE28-01011-011	PE28-01011-021
1200 x 1200 mm	PE28-01056-001	PE28-01056-011	PE28-01056-021
1500 x 1500 mm	PE28-01031-001	PE28-01031-011	PE28-01031-021
2000 x 1000 mm	PE28-01002-001	PE28-01002-011	PE28-01002-021
2000 x 2000 mm	PE28-01006-001	PE28-01006-011	PE28-01006-021
2400 x 1200 mm	PE28-01003-001	PE28-01003-011	PE28-01003-021
3000 x 1500 mm	PE28-01004-001	PE28-01004-011	PE28-01004-021
4000 x 2000 mm	PE28-01005-001	PE28-01005-011	PE28-01005-021
4800 x 2400 mm	PE28-11085-001	PE28-11085-011	PE28-11085-021

Special sizes available upon request! On request the table is also available in a cast or stainless steel version!

Errors and changes reserved. Offer is non-binding.

DIFFERENT LEG VARIETIES ARE AVAILABLE UPON REQUEST.





ITEM NO.: E28-52000-710 (32-PIECE)



ITEM NO.: E28-52000-720 (52-PIECE)



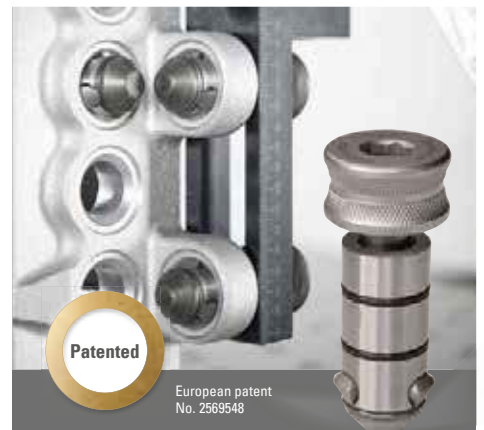
ITEM NO.: E28-52000-730 (74-PIECE)

ProfiEcoLINE (PE) 28 Set E 710

ProfiEcoLINE (PE) 28 Set E 720

ProfiEcoLINE (PE) 28 Set E 730

	E 710	E 720	E 730			
	4	4	4	PE28-03001-000	ECO clamping and locating angle 175 x 175 x 50 mm	
		1	1	PL28-03002-000	Clamping and locating angle right 300 x 275 mm	
		1	1	PL28-03002-001	Clamping and locating angle left 300 x 275 mm	
			1	PE28-03003-000	PE clamping and locating angle right 600 x 275 x 80 mm	
			1	PE28-03003-001	PE clamping and locating angle left 600 x 275 x 80 mm	
		2	4	PE28-03008-000	ECO clamping and locating angle 275 x 175 x 50 mm	
	4	4	8	E28-05001-000	ECO Universal stop /size 225 x 50 x 25 mm	
		2	2	E28-05002-000	ECO Universal stop /size 100 x 50 x 25 mm	
			2	E28-05003-000	ECO Stop strip L 500 - 500 x 100 x 25 mm	
			2	E28-05003-001	ECO Stop strip L 800 - 800 x 100 x 25 mm	
			2	E28-05013-000	ECO locating disk 25-50 mm	
			2	E28-05013-001	ECO locating disk 25-75 mm	
	12	18	24	E28-06001-000	ECOLine bolt / short Ø 28x 95 mm	
		6	8	10	E28-07005-000	ECO screw clamp 180° with spindle
			4	4	E28-07009-000	ECO variable screw clamp 45° with spindle
				4	E28-09003-000	ECO prism holder Ø 58 mm
		1	1	1	E28-10002-000	ECO round brush Ø 28 mm
		1	1	1	E28-10008-000	ECO ball-head Allen key AF 8



THE PERFECT CONNECTION

- PPC clamping bolt / short
- Very quick to clamp and unclamp
- Force-locking through full-area contact
- Easy on materials
- Extremely robust
- Limit clamping range 41-47

ITEM NO.: D28-06025-000
PPC BOLT, SHORT

ECOLine bolts in the sets can be exchanged for PPC clamping bolts on request.

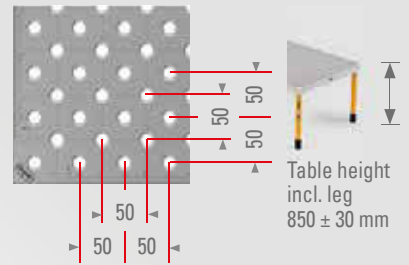
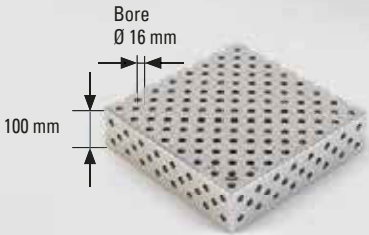
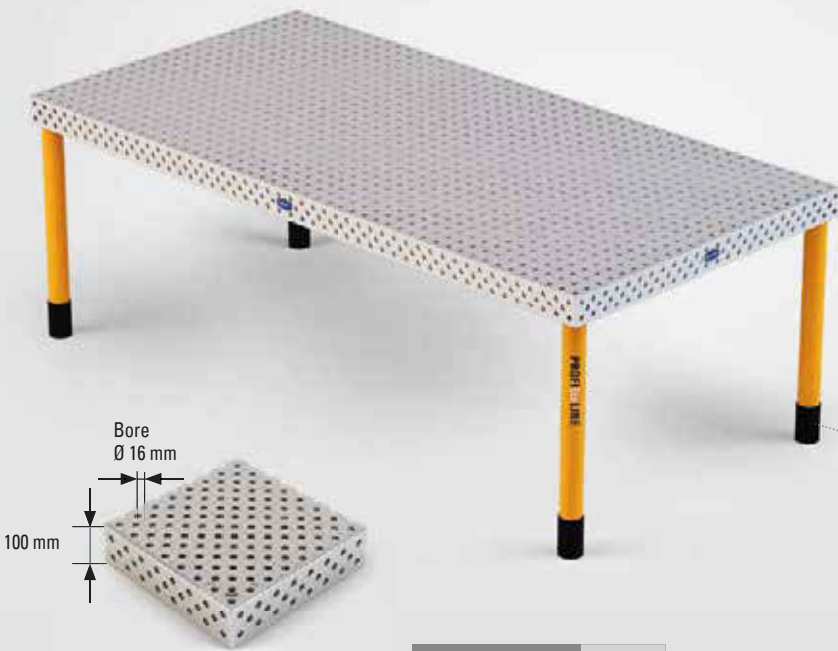
Surcharge PPC bolt, short

Set E 710 E28-52000-712
Set E 720 E28-52000-722
Set E 730 E28-52000-732

You can individually assemble or supplement your sets with the large selection of DEMMELER accessories. The DEMMELER general catalogue is available at www.demmeler.com.

D16 system 3D welding table PROFIPlusLINE (PP) 16

DEMMELER 3D welding table PROFIPLUSLINE (PL) 16



- Worktop with D16 system bores in a 50 x 50 mm double grid
- 3-row bore pattern on the table side plates, 50 mm grid in the top, middle and bottom row
- Table sizes optionally available in hardened version, DEMONT 760 M (up to 760 Vickers)
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y-direction

Pendulum foot with stable M 24 x 2 threaded spindle, finely adjustable ± 30 mm.
Foot sleeve prevents the welding hose from getting trapped and protects the threaded spindle from dirt.

HARDNESS
DEMONT 760 M 

Table size L x W	TABLE WITH STANDARD LEG	HARDENED DEMONT 760 M
1000 x 500 mm	PL16-01000-001	PL16-01000-011
1000 x 1000 mm	PL16-01001-001	PL16-01001-011
1200 x 800 mm	PL16-11019-001	PL16-11019-011
1200 x 1200 mm	PL16-01056-001	PL16-01056-011
1500 x 1000 mm	PL16-01017-001	PL16-01017-011
1500 x 1500 mm	PL16-01011-001	PL16-01011-011
2000 x 1000 mm	PL16-01002-001	PL16-01002-011
2400 x 1200 mm	PL16-01003-001	PL16-01003-011
3000 x 1500 mm ¹	PL16-01004-001	PL16-01004-011

¹Consists of 2x 1500 x 1500 x 100 mm

Special sizes available upon request! The table is also available in other materials (e.g. stainless steel) on request!



DIFFERENT LEG VARIETIES ARE AVAILABLE UPON REQUEST.



Telescoping leg



Heavy-duty wheel



Anchoring leg

Errors and changes reserved. Offer is non-binding.



ITEM NO.: D16-52000-155 (39-PIECE)



ITEM NO.: D16-52000-255 (87-PIECE)



ITEM NO.: D16-52000-720 (125-PIECE)

PROFiPlusLINE (PL) 16 SET D 155

PROFiPlusLINE (PL) 16 SET D 255

PROFiPlusLINE (PL) 16 SET D 720

	D 155	D 255	D 720		
	4	4	8	D16-03001-000	Clamping and locating angle 90 x 90 x 25 mm
	2	2	4	D16-03001-002	Clamping and locating angle 90 x 37.5 x 25 mm
	2	4		D16-05002-000	Universal stop / small / L55
	1	1		D16-03002-000	Clamping and locating angle right 200 x 137.5 x 50 mm
	1	1		D16-03002-001	Clamping and locating angle left 200 x 137.5 x 50 mm
		1		D16-03003-000	Clamping and locating angle right 400 x 187.5 x 50 mm
		1		D16-03003-001	Clamping and locating angle left 400 x 187.5 x 50 mm
	4	4		D16-03008-000	Clamping and locating angle 140 x 90 x 25 mm
	6	8	8	D16-05001-004	Universal stop with scale 115 x 25 x 12 mm
		2		D16-05003-000	Stop strip L 250, 250 x 50 x 12 mm
		4		D16-05003-001	Stop strip L 400, 400 x 50 x 12 mm
	2	2		D16-05009-000	Universal stop / L 165
		2		D16-05013-010	Angle-setting template
	2	8		D16-05015-000	Displacement stop 150 x 25 x 12 mm
	10	20	24	D16-06001-000	PC bolt, short Ø 16
	2	2		D16-06002-000	PC bolt, long Ø 16
	4	12		D16-06009-000	Stop and positioning bolt Ø 16
		4		D16-07001-001	Compensating swing clamp with quick-action clamping cylinder
	4	6		D16-07001-000	Compensating swing clamp 180° with spindle
	2	4	8	D16-07005-000	Screw clamp 180° with spindle
	2	2	4	D16-07008-000	Variable screw clamp 90° with adjusting screw
		4	8	D16-07009-000	Variable screw clamp 45° with adjusting screw - vertical tube 130 mm
	2	4	4	D16-09001-000	9-Piece spacer set Ø 25 x 60 mm
		2	8	D16-09003-000	Prism holder steel, burnished Ø 80 mm
		8	4	D16-09004-000	Prism holder steel, burnished Ø 58 mm
	1	1	1	D16-10002-000	Round brush Ø 16
	1	1	1	D00-10007-000	Bench stone
	1	1	1	D16-10008-000	Hexagonal wrench AF 8



ITEM NO.:
D16-03002-000
(RIGHT)

ITEM NO.:
D16-03002-001
(LEFT)

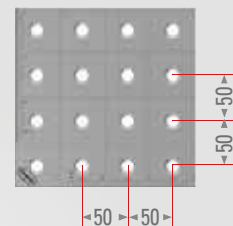
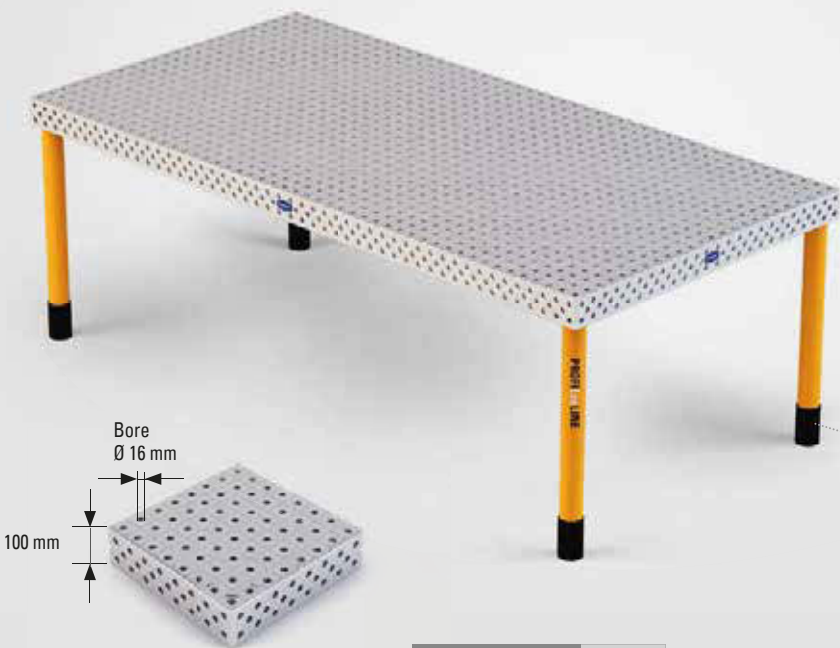
CAN BE USED INDIVIDUALLY

- Clamping and locating angle casting 200
- Continuous adjustment and locking
- Three full clamping sides with system bores
- Special casting: ultimate stability and ductility
- For use e.g. as a tall stop or table extension
- With grid lines and precision scaling
- Approx. 137.5 x 75 x 200 x 50 mm
- Weight approx. 1.7 kg

You can individually assemble or supplement your sets with the large selection of DEMMELER accessories. The DEMMELER general catalogue is available at www.demmeler.com.

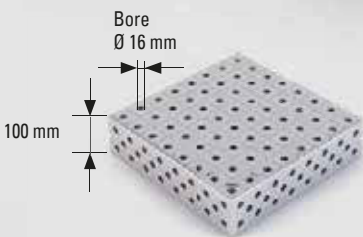
D16 system 3D welding table PROFIEcoLINE (PE) 16

DEMMELE 3D welding table PROFIECOLINE (PE) 16



- Worktop with D16 system bores in a 50 x 50 mm grid
- 3-row bore pattern on the table side plates, 50 mm grid in the top, middle and bottom row
- Table sizes optionally available in hardened version, DEMONT 760 M (up to 760 Vickers)
- Precision scaling with millimetre graduation
- Coordinate marking of the bores in the X and Y-direction

Pendulum foot with stable M 24 x 2 threaded spindle, finely adjustable ± 30 mm.
Foot sleeve prevents the welding hose from getting trapped and protects the threaded spindle from dirt.



**HARDNESS
DEMONT 760 M**

Table size L x W	TABLE WITH STANDARD LEG	HARDENED DEMONT 760 M
1000 x 500 mm	PE16-01000-001	PE16-01000-011
1000 x 1000 mm	PE16-01001-001	PE16-01001-011
1200 x 800 mm	PE16-11019-001	PE16-11019-011
1500 x 1000 mm	PE16-01017-001	PE16-01017-011
1200 x 1200 mm	PE16-01056-001	PE16-01056-011
1500 x 1500 mm	PE16-01011-001	PE16-01011-011
2000 x 1000 mm	PE16-01002-001	PE16-01002-011
2400 x 1200 mm	PE16-01003-001	PE16-01003-011
3000 x 1500 mm ¹	PE16-01004-001	PE16-01004-011

¹Consists of 2x 1500 x 1500 x 100 mm

Special sizes available upon request! The table is also available in other materials (e.g. stainless steel) on request!



DIFFERENT LEG VARIETIES ARE AVAILABLE UPON REQUEST.



Telescoping leg



Heavy-duty wheel



Anchoring leg

Errors and changes reserved. Offer is non-binding.



ITEM NO.: E16-52000-710 (29-PIECE)



ITEM NO.: E16-52000-720 (79-PIECE)



ITEM NO.: E16-52000-730 (114-PIECE)

PROFIEcoLINE (PE) 16 Set E 710

PROFIEcoLINE (PE) 16 Set E 720

PROFIEcoLINE (PE) 16 Set E 730

	E 710	E 720	E 730		
	4	4		E16-03008-000	ECO clamping and locating angle 140 x 90 x 25 mm
	4	4	10	E16-03001-000	ECO clamping and locating angle 90 x 90 x 25 mm
	2	4	4	E16-03001-002	ECO clamping and locating angle 90 x 37.5 x 25 mm
		2	1	E16-03002-000	ECO clamping and locating angle right 200 x 137.5 x 50 mm
		2	1	E16-03002-001	ECO clamping and locating angle left 200 x 137.5 x 50 mm
	2		4	E16-05002-000	ECO universal stop small L55
	4	4	12	E16-05001-000	ECO universal stop / large L115
	4	2		D16-09001-000	Spacer set 9 pieces
	4	2		E16-05015-000	ECO displacement-stop L150
		4		D16-05003-000	Stop strip 250 mm
	2	2		D16-05003-001	Stop strip 400 mm
	4	8	8	D16-07005-000	Screw clamp 180° with spindle
	2	8	8	D16-07009-000	Variable screw clamp 45° with adjusting screw
		4	8	D16-09003-000	Prism holder Ø 80 mm
	1	1	1	D16-10002-000	Round brush Ø 16 mm
	1	1	1	D00-10007-000	Bench stone
	1	1	1	E16-10008-000	Hexagonal wrench AF 5
		4		D16-06003-000	Connection bolt / short
		2	4	E16-06002-000	ECOLine bolt, long
	8	24	32	E16-06001-000	ECOLine bolt, short
			1	D16-11001-002	Accessory cart D16



ITEM NO.:
D16-03007-000
(RIGHT)

ITEM NO.:
D16-03007-003
(LEFT)

CONTINUOUS TILT FROM 0° TO 225°

- Universal pivot and tilt angle with hydromechanical clamping:
 - >> Completely maintenance-free
 - >> Holding force up to 160 Nm torque with system 16
- Can be combined with other system components
- Horizontal and vertical use possible
- Approx. 225 x 50 mm
- Weight approx. 3 kg

ECOLine clamping bolts in the sets can be exchanged for PC clamping bolts on request.

Surcharge PC clamping bolt, short

Set E 710	E16-52000-711
Set E 720	E16-52000-721
Set E 730	E16-52000-731



You can individually assemble or supplement your sets with the large selection of DEMMELER accessories. The DEMMELER general catalogue is available at www.demmeler.com.



MAXIMUM FLEXIBLE CLAMPING AND ASSEMBLY

No matter what has to be clamped -
with these tools work becomes pleasure



D28 Screw clamp 180° with spindle

- Each tube can be used individually
- Adjustable projection
- Can be inserted through system bores, eliminating avoidable interfering edges
- Highest force transmission with sturdy round tubes
- Entire clamping mechanism is exchangeable
- Clamping tube 270 mm long, clamping width max. 190 mm

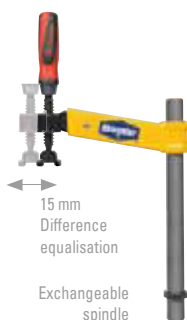
ITEM NO.: D28-07005-000



D28 Variable screw clamp 45° with spindle

- Highest force transmission with sturdy round tubes
- Ideal for clamping prismatic profiles as well as rectangular and square profiles
- Entire clamping mechanism is exchangeable
- Clamping tube 270 mm long, clamping width max. 190 mm

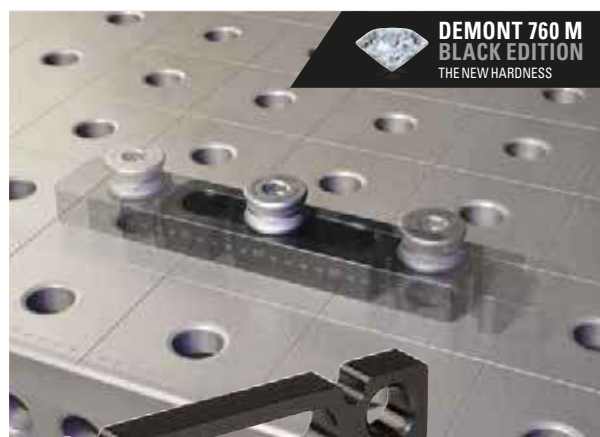
ITEM NO.: D28-07009-000



D28 Compensating swing clamp with spindle

- For fast, powerful and accurately positioned clamping of many different work pieces
- With difference equalisation for accurately oriented and positioned work piece clamping
- With stop ring for height fixation
- Clamping tube 350 mm long, clamping width max. 280 mm

ITEM NO.: D28-07001-000



UNIVERSAL STOP LARGE
ITEM NO.: D28-05001-000

CONTINUOUSLY ADJUSTABLE

D28 Universal stop large with 1 mm precision scaling

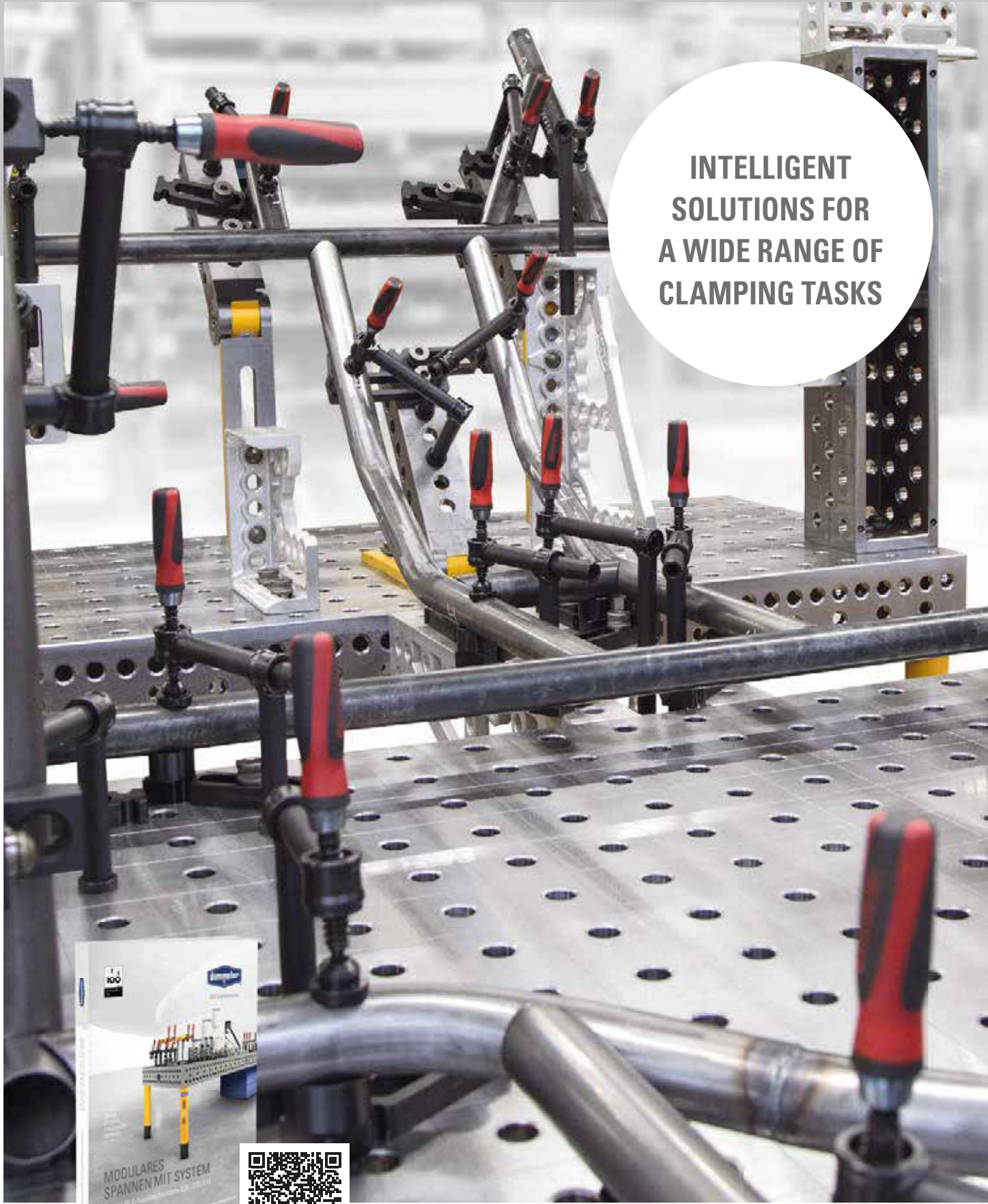
- Combination system bore / oblong hole for numerous clamping options
- With PC-bolt in table hole pattern 5-sided locking and fixation in 25 mm grid
- 360° adjustable positioning in 45° increments
- Continuously adjustable via oblong hole
- Steel, hardened
- Approx. 225 x 50 x 25 mm
- Weight approx. 1.2 kg

ITEM NO.: D28-05001-000

Errors and changes reserved. Offer is non-binding.



OUR PERFORMANCE
makes THE DIFFERENCE



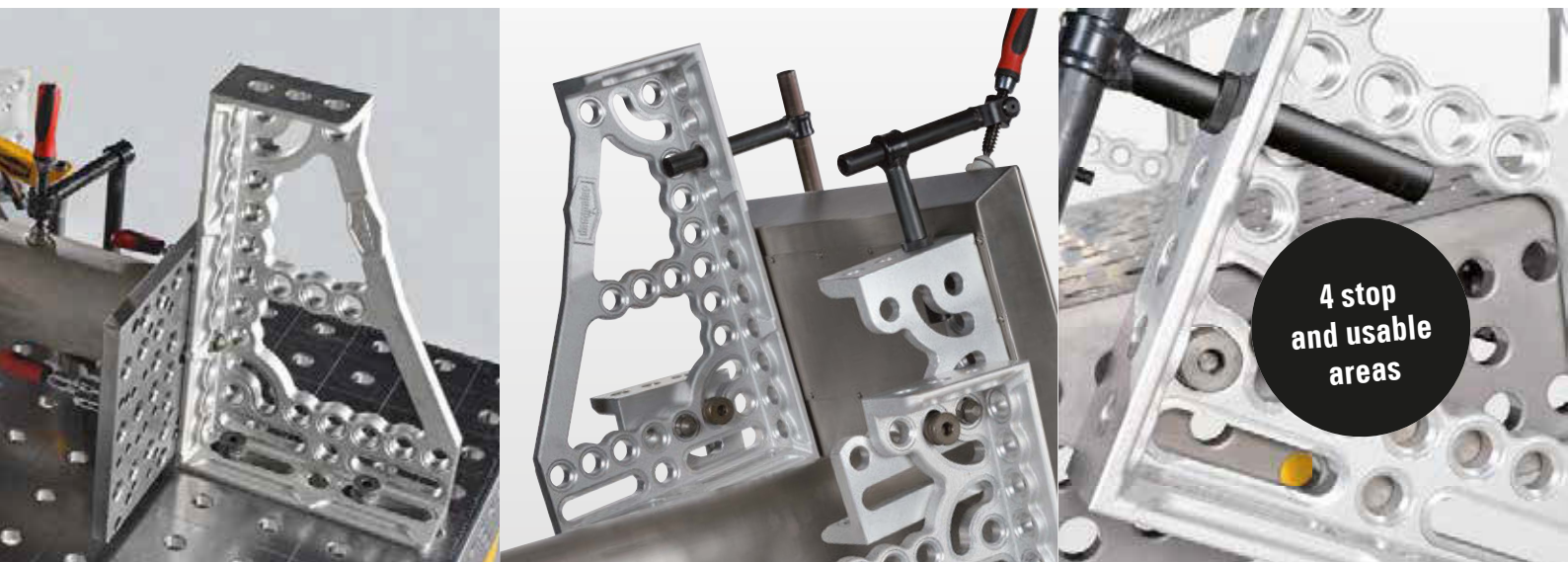
**INTELLIGENT
SOLUTIONS FOR
A WIDE RANGE OF
CLAMPING TASKS**



Now available: The new DEMMELER general catalogue.

Your individual freedom when clamping

Very simple and optimal handling



D28 PROFIPremiumLINE Clamping and locating angle aluminium-titanium 600



RIGHT
P28-03003-002

LEFT
P28-03003-003

- Reinforcements in the corners with kidney-shaped 90°-system groove enable continuously variable use including in angular adjustments
- 40% better 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
- D28 bore hole grid with 50 mm spacing
- 4x system groove 100 mm
- 2x system groove in 90° kidney shape
- With precision scaling
- Anodised
- 375 x 180 x 600 x 100 mm
- Weight approx. 9.3 kg

ITEM NO. : RIGHT P28-03003-002
ITEM NO. : LEFT P28-03003-003

D28 PROFIPlusLINE Clamping and locating angle 300 x 250 aluminium-titanium



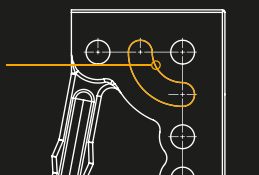
ITEM NO.: PP28-03001-017

- Extended face plate with two bores in the face plate
- Extended mounting plate with oblong hole 150 – therefore moveable on 50 mm grid
- With precision scaling
- 250 x 50 x 300 x 150 mm
- Weight approx. 1.8 kg

ITEM NO.: PP28-03001-017

// PRODUCT TIP

The stop and clamping angles of the PROFIPremiumLINE allow continuously variable angle adjustment with the 90° system groove in the shape of a kidney.



Compatibility for tools from the systems D16 | D22 | D28

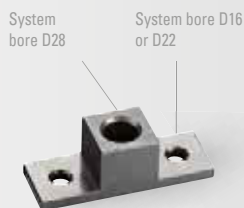


Adapter for PC-bolt D28 to D16 and D22 to D16

- Interface between system D28 / D16 and D22 / D16
- Fully compatible with system D28 / D16 and D22 / D16
- Force-fit and form-fitting with O-ring, self-centring connection
- O-ring prevents simultaneous rotation while tightening
- O-ring cleans the system bore

D28 D16 ADAPTER FOR PC-BOLT D28 TO D16
ITEM NO.: D00-06012-000

D22 D16 ADAPTER FOR PC-BOLT D22 TO D16
ITEM NO.: D00-06012-009

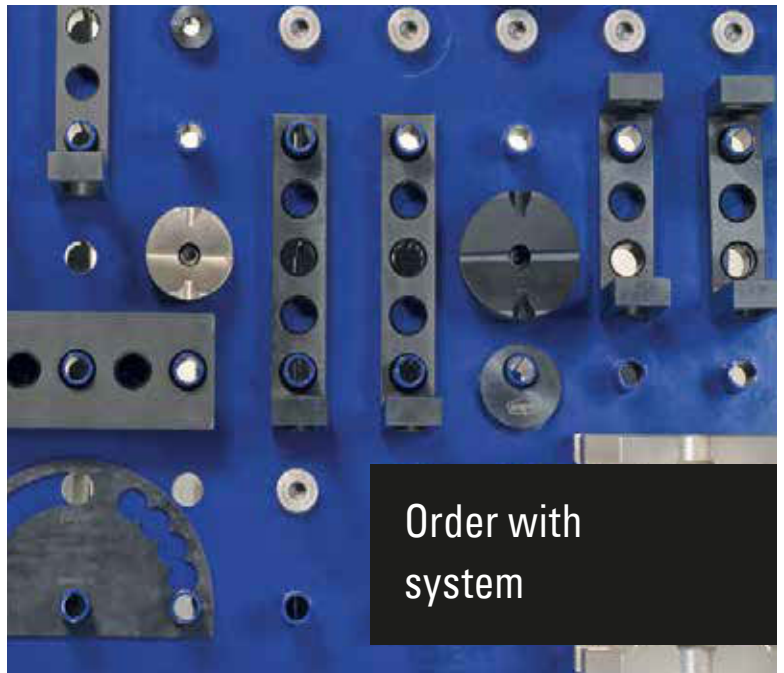


Interface plate D28 to D16 and D22 to D28

- Interface between D28 and D16 or D28 and D22

D28 D16 INTERFACE PLATE D28 TO D16
ITEM NO.: D00-06015-000

D22 D28 INTERFACE PLATE D22 TO D28
ITEM NO.: D00-06015-001

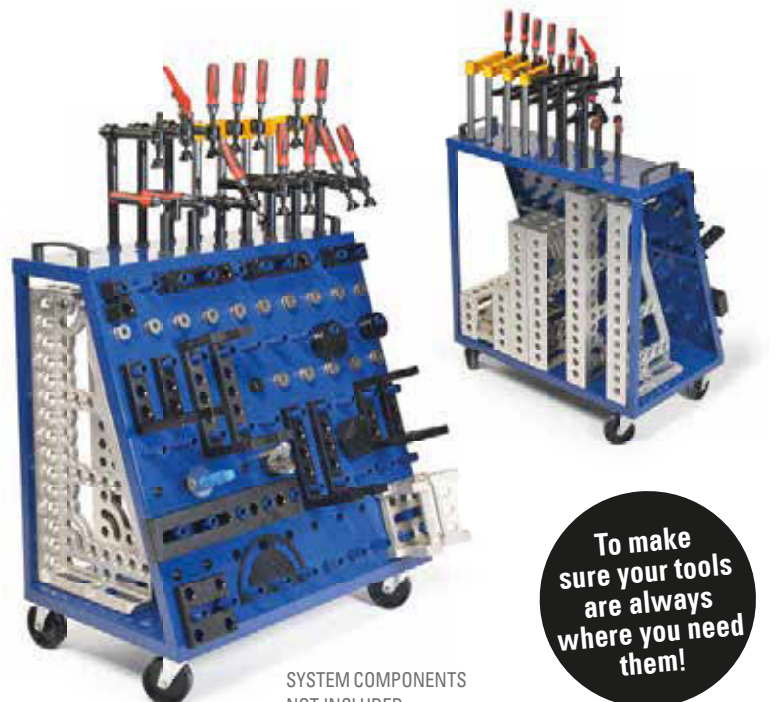


Order with
system

D28 Accessory cart D28

- Establishes a tidy and orderly workstation
- Faster access to the system components
- Large angles are safely and conveniently stored inside the cart
- Fast to transport thanks to four sturdy 360° swivelling casters, one of them locking.
- Approx. 1000 x 650 x 1010 mm
- Weight approx. 60 kg

ITEM NO.: D28-11001-000



SYSTEM COMPONENTS
NOT INCLUDED

To make
sure your tools
are always
where you need
them!



ERGONOMIX M 2000

180°
 $M_k = 19.000 \text{ Nm}$

Price on
request



Limited space. Unlimited possibilities.
Outstanding flexibility during welding or assembly work
thanks to swivel range of up to 180° as standard.

A special characteristic of the DEMMELER Ergonomix M product family is the large swivel range of up to 180°. This has the crucial advantage with many work pieces of being able to process them fully in one clamping cycle without turning them over. The excellent price-performance ratio of the DEMMELER products is the key feature.

Benefits

- Large work area
- Solid construction
- Low installation height
- Unique swivel range up to 180° as standard
- Comfortable working
- Greater flexibility
- Improved workplace safety
- Increased productivity



Request our current
manipulator brochure
as well.

Equipment for the Ergonomix M 2000 and optimum extension capabilities

- Series equipment
- Special equipment



- ① **Operation with pendant control panel** standard equipment
- ② **Controller in the control cabinet** standard equipment
- ③ **Operation with foot pedal**
Item no. Z00-01002-021
- ④ **Teach controller**
Item no. Z00-01001-008
- ⑤ **Laser scanner**
Item no. Z00-01010-001
- ⑥ **Rotary feedthrough**
for querying the state of fixtures, electrical:
Item no. Z00-01004-005
for pneumatic clamping fixtures:
Item no. Z00-01004-008
for hydraulic clamping fixtures:
Item no. Z00-01004-009
- ⑦ **Earth connector**
max. 400 A at 60% ED:
Item no. Z00-01000-002
max. 700 A at 60% ED:
Item no. Z00-01000-009



Basic model Ergonomix M 2000

Description		M 2000 / V1250	M 2000 / V2500
Bearing load (w/o worktop)	[kg]	2000	2000
D=max. interference area at 180° (w/o worktop)	[mm]	1000	1000
At height	[mm]	650	650
Max. rotation speed	[RPM]	2	2
Min. rotation speed	[RPM]	0.75	0.2
Torque	[Nm]	1250	2500
Tilt angle	[°]	180	180
Moment of tilt	[Nm]	8000	8000
A=min. height (w/o worktop)	[mm]	490	490
B=max. Height at 180° swivel angle	[mm]	970	970
C=max. Height at 90° swivel angle	[mm]	1480	1480
Pendant control panel		✓	✓
10-speed control		✓	✓
All axes adjustable via servo-hydraulic system		-	-
Motors / rotary axis		1	2
Item no.		M02-02000-006	M02-02000-007

Errors and changes reserved.
Offer is non-binding.

Specifications without worktop. Other equipment details on request.



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Quantity	Item no.	Article designation	Unit price	Total price



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