

D2

Doppelspanner

Double vice



Hohe Genauigkeit und hohe Effizienz

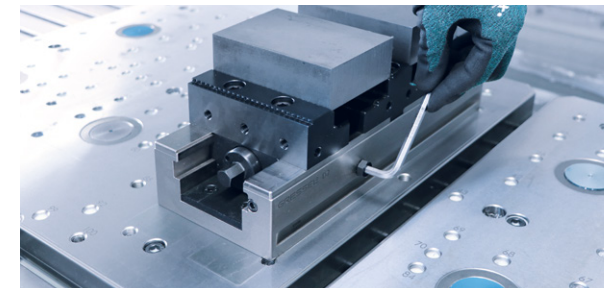
High accuracy and high efficiency

Das bedienerfreundliche Spannsystem D2 garantiert eine dauerhaft hohe Präzision und ein breites Einsatzspektrum.

The user-friendly D2 clamping system guarantees permanently high accuracy and a wide range of uses.

Ihre Nutzen

Your benefits



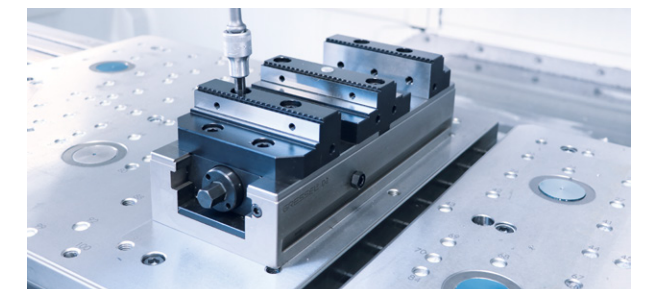
- einfache und massive Dritthandbedienung
- easy and solid third-hand operation



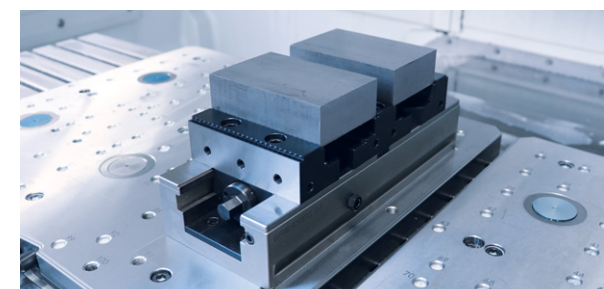
- einfaches und schnelles Positionieren auf dem gredoc Nullpunkt-Spannsystem
- easy and fast positioning on the gredoc zero point clamping system



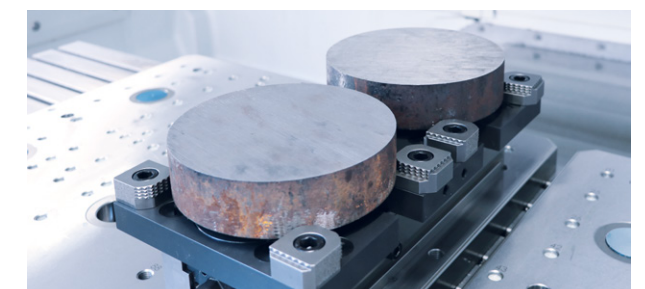
- hohe Spannkraften zwischen 5–40 kN mit geringem Anzugs-Drehmoment
- high clamping forces between 5–40 kN with low tightening torque



- einfacher und schneller Backenwechsel mit 2 Schrauben
- easier and quicker jaw change with 2 screws



- komplette Bearbeitung, OP10 (grip) und OP20 (glatt)
- complete processing, OP10 (grip) and OP20 (smooth)



- umfangreiches Baukasten Backenprogramm
- extensive construction kit jaw program

Systemübersicht D2

System overview D2

① Feste Mittelbacke Fixed middle jaw

- feste Position in der Mitte (aufheben der Spannkraften)
- Mittelbacke Stufe grip H=40 mit grip 3 mm Stufe für Erstseitenbearbeitung und glatte Stufe für Zweitseitenbearbeitung
- fixed position in the middle (cancel the clamping forces)
- Middle jaw grip H=40 with 3 mm grip for machining the first side and smooth step for machining the second side

② Spannbacken beweglich Clamping jaws moveable

- umfangreiches Backensortiment verwendbar mit H=40 mm und H=18 mm
- Systembacken aus dem Spanntechnik Baukasten GRESSEL C2/S2/D2
- extensive range of jaws can be used with H=40 mm and H=18 mm
- System jaws from the GRESSEL C2/S2/D2 modular clamping technology system

③ Prozesssicherheit durch Kapselung Reliable and safe processes based on encapsulation

- einseitig abgedichtete Lagerung und Schieber, die unter die Backen laufen = minimaler Reinigungsaufwand
- bearing and carriage sealed on one side, running underneath the jaws = minimal cleaning requirement

④ Spannen mit Spannhebel oder Drehmomentschlüssel Clamping with clamping lever or torque wrench

- optional erhältlich
- as an option

⑤ Präzise und Langzeit-Genauigkeit Precise and long-term accuracy

- optimale Führungsverhältnisse
- induktionsgehärteter Grundkörper
- einsatzgehärtete Systembacken
- optimal guide mechanism
- induction-hardened base body
- case-hardened system jaws

⑥ Niedriger Grundkörper Lower base body

- optimale Nutzung der Y-Achse auf Türmen
- optimale Nutzung der Z-Achse bei Paletten Automation
- optimal use of the Y-axis on tombstones
- optimal use of the Z-axis with pallet automation

⑦ Massive und einfache Dritthandfunktion Massive and simple third-hand function

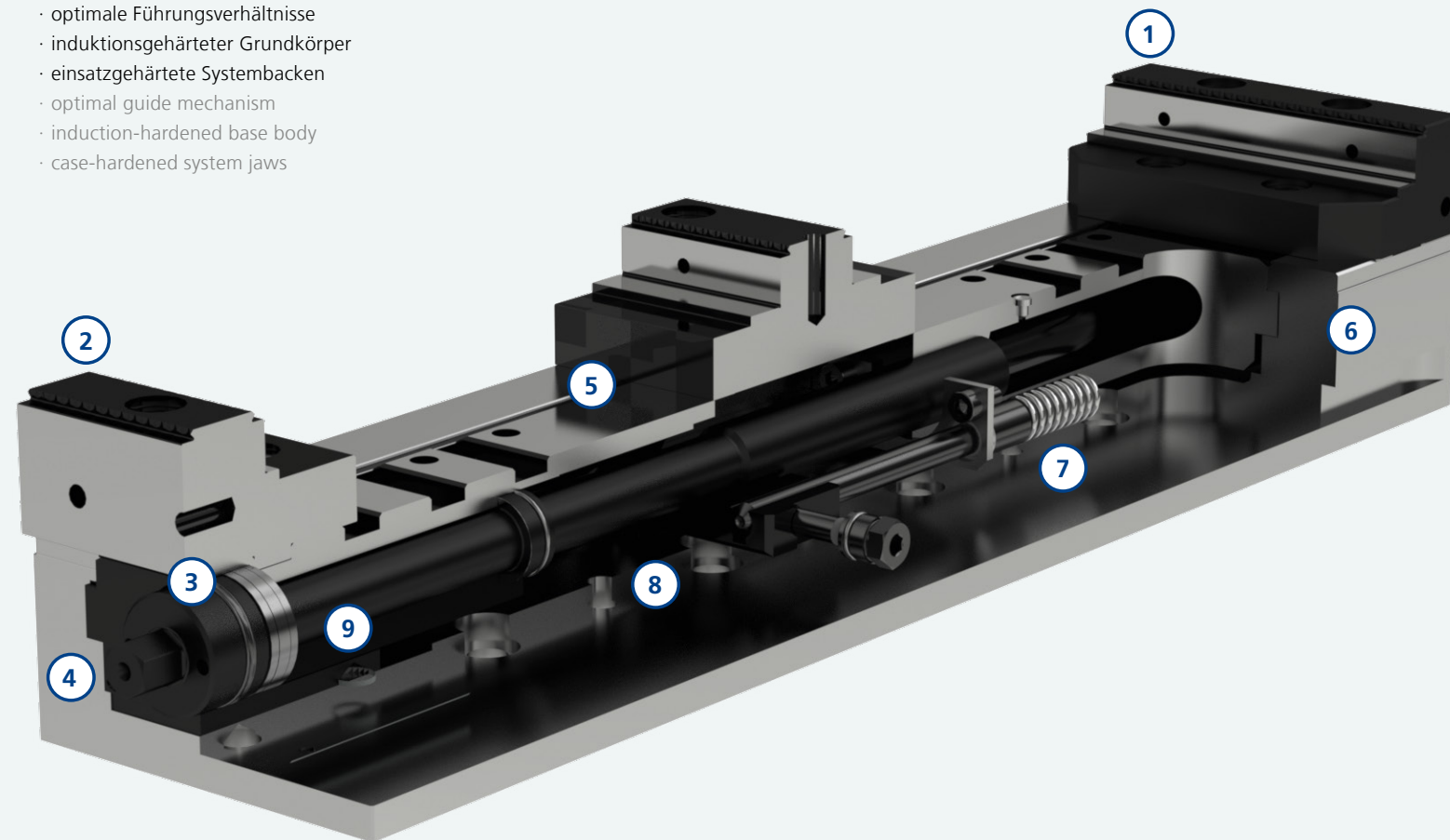
- Federrückspannung
- Spring reverse tension

⑧ Aufspannen Clamping

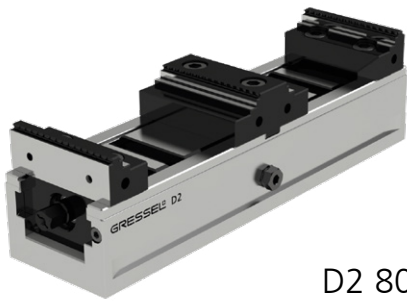
- mit Spannpratzen seitlich
- durch den Grundkörper
- mit Nullpunkt-Spannsystem
- mit Ausricht- und Zentrierset
- with clamping claws laterally
- due to the base body
- with zero point clamping system
- with alignment and centring bolt

⑨ Hohe Spannkraft mit kleinem Drehmoment High clamping force with low torque

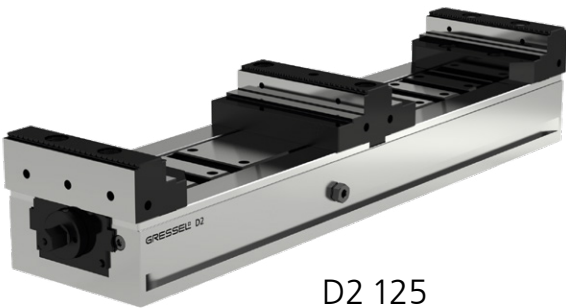
- D2 80 = 25 kN bei 90 Nm
- D2 125 = 40 kN bei 100 Nm
- D2 80 = 25 kN at 90 Nm
- D2 125 = 40 kN at 100 Nm



Baukasten Construction kit



D2 80
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D2 125
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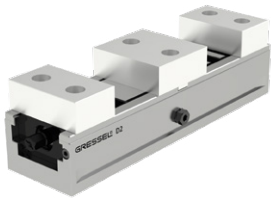
D2 80/D2 125
Wendebacken grip und Mittelbacke Stufe grip
Reversible grip jaws and middle jaw step grip
Seite/page 258/264



D2 80/D2 125
Wendebacken grip und Mittelbacke glatt
Reversible grip jaws and middle jaw smooth
Seite/page 259/266



D2 80/D2 125
Adapter- und Pendelplatten
Adapter- and swivel plate
Seite/page 261/270



D2 80/D2 125
Aluminium Blockbacken und Mittelbacke Aluminium
Aluminium block jaws and middle jaw aluminium
Seite/page 262/272

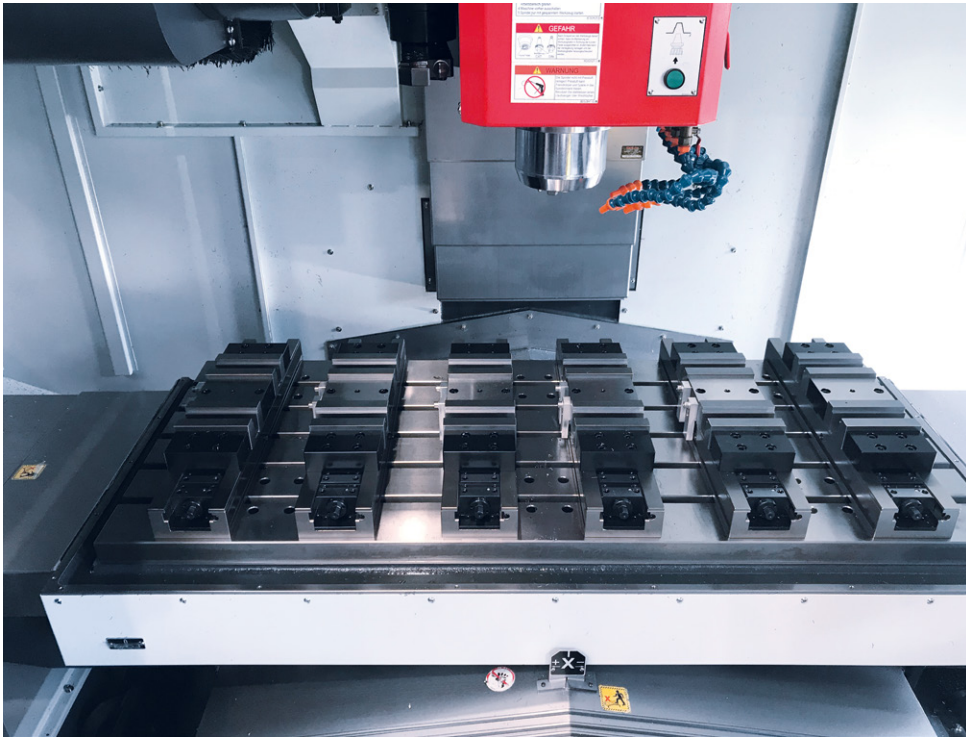


D2 80/D2 125
Blockbacken und Mittelbacke glatt
Block jaws and middle jaw smooth
Seite/page 260/268

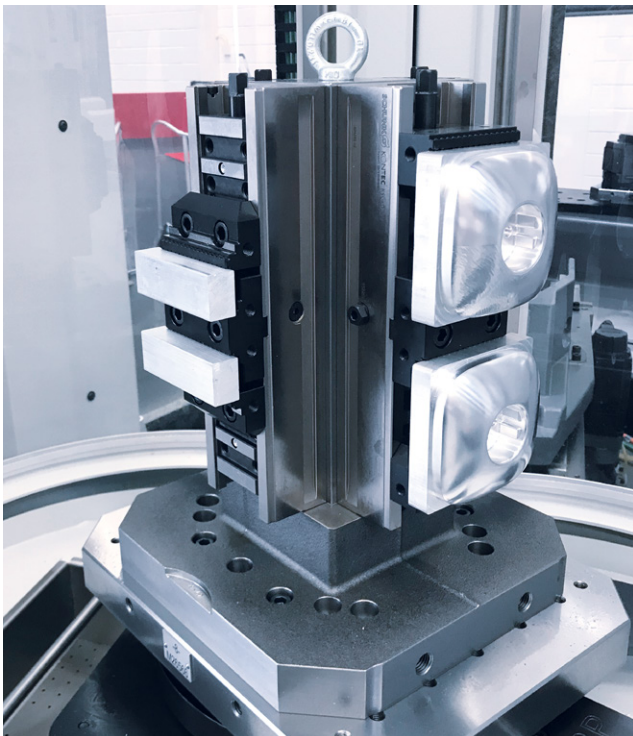


D2 80/D2 125
Aufspanntürme
(Katalog Kapitel 17)
Tombstones
(catalog chapter 17)
Seite/page 578/580

Anwendungen Applications



D2 125 L-600
Mit Wendebacken grip und Mittelbacke glatt H=40 mm
With reversible jaws and middle jaw smooth H=40 mm

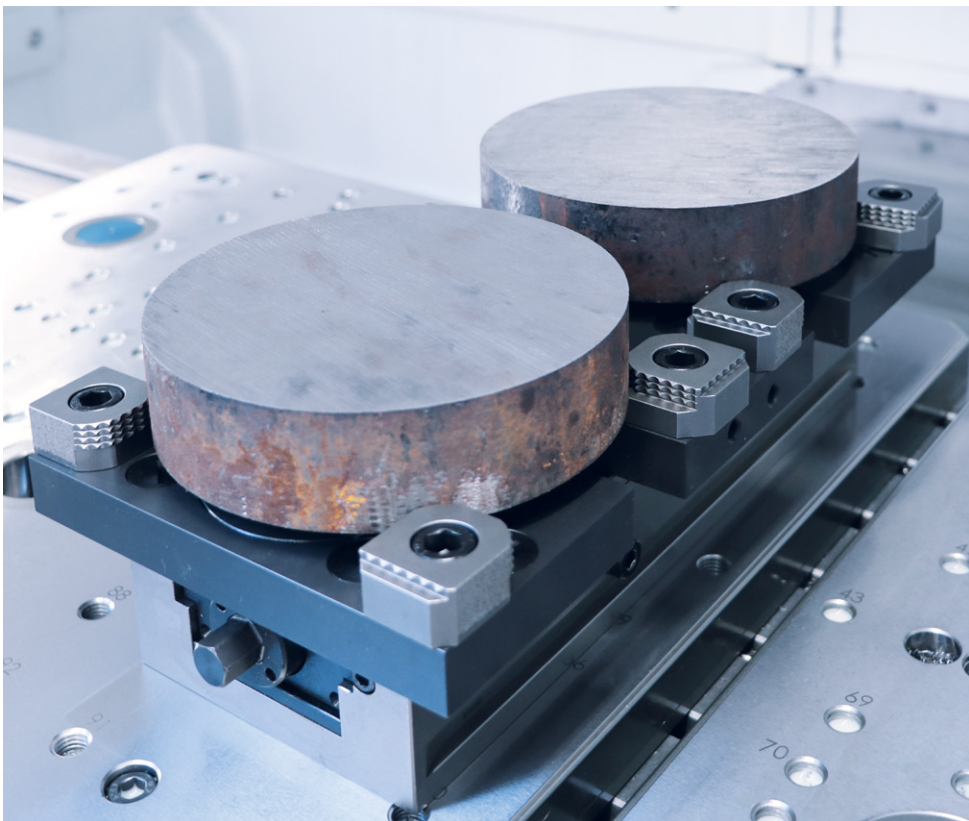


D2 125 4V
Mit Wendebacken grip und Mittelbacke Stufe grip
With reversible jaws and middle jaw step grip



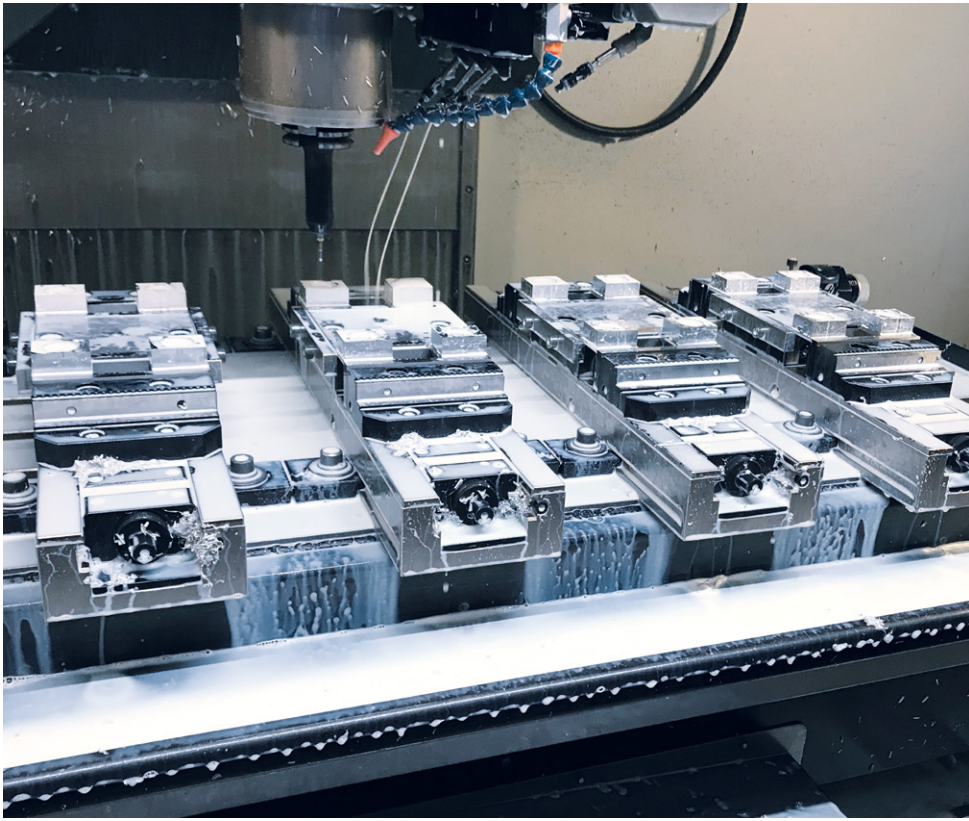
D2 125 L-390

Mit Wendebacken grip
und Mittelbacke Stufe grip
With reversible jaws and
middle jaw step grip



D2 125 L-390

Mit Pendel- und
Adapter Platte
With siwvel and
adapter plate



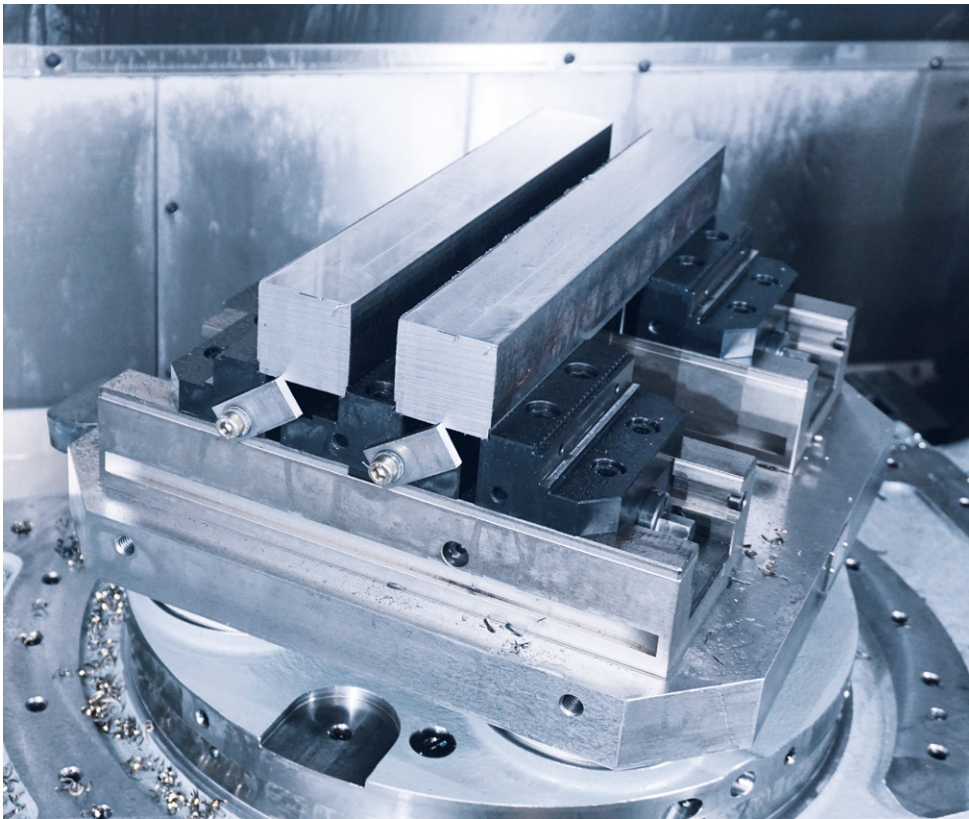
D2 125 L-670

Mit Wendebacken grip
und spezial Mittelbacke
With reversible jaws
and special middle jaw



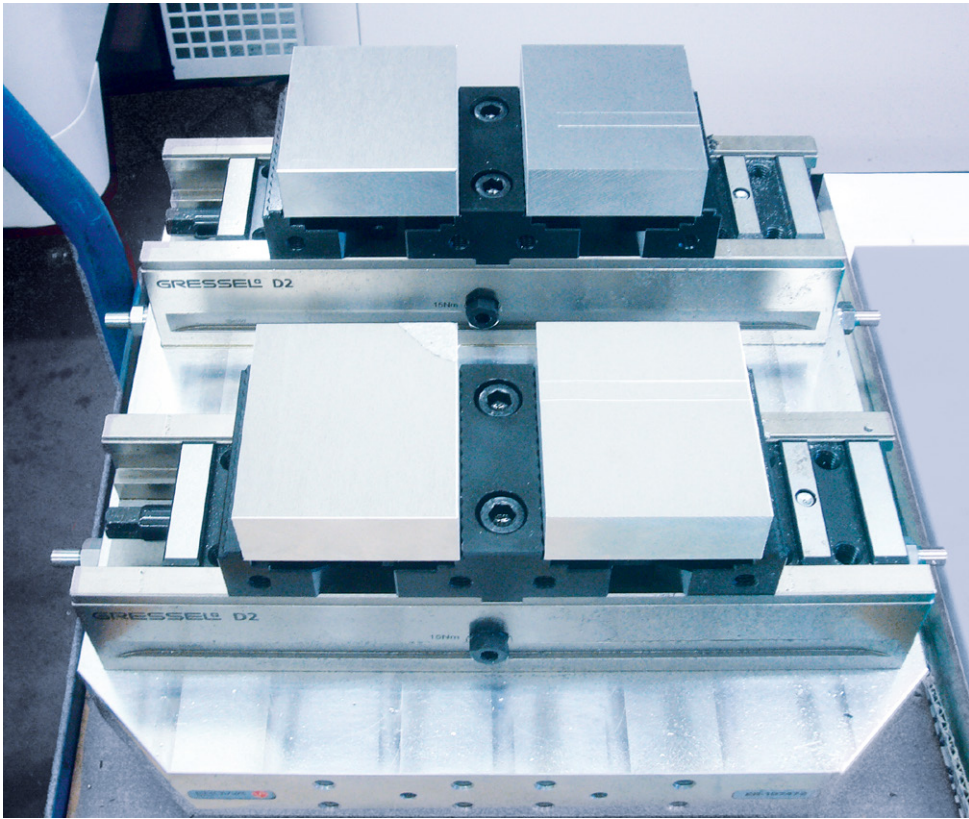
D2 125 L-740

Mit Wendebacken grip
und spezial Mittelbacke
auf SCHUNK VERO-S
Nullpunkt-Spannsystem
With reversible jaws and
special middle jaw on
SCHUNK VERO-S zero
point clamping system



D2 125 L-320

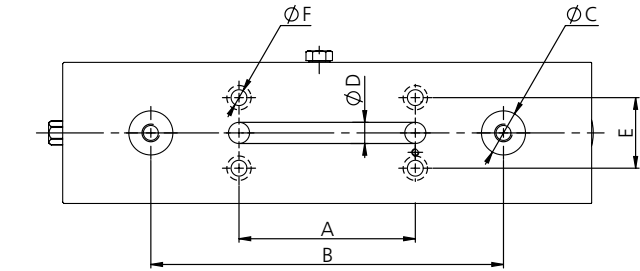
Mit Wendebacken grip
und Mittelbacke Stufe grip
With reversible jaws
and middle jaw step grip



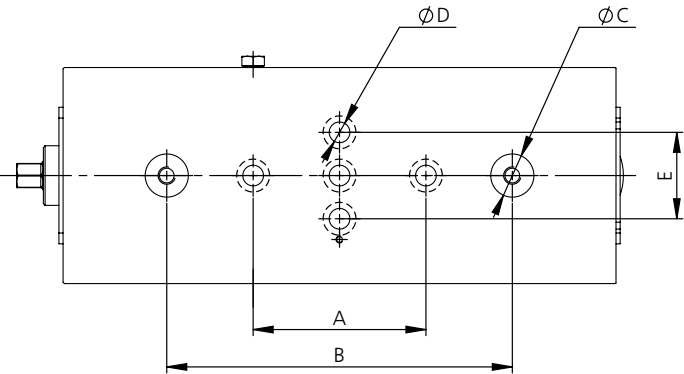
D2 80 L-300

Mit Wendebacken grip
und Mittelbacke Stufe grip
With reversible jaws
and middle jaw step grip

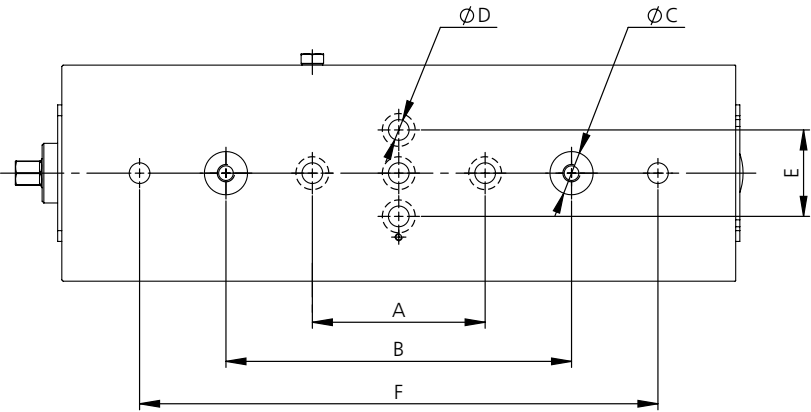
Standard Schnittstelle Standard interface



Typ	Type	A _{±0.015}	B _{±0.015}	ØC _{H6}	ØD _{H7}	E	ØF	Masse (mm)	Dimensions (mm)
D2	80 L-300	100	200	25	12	40	9		



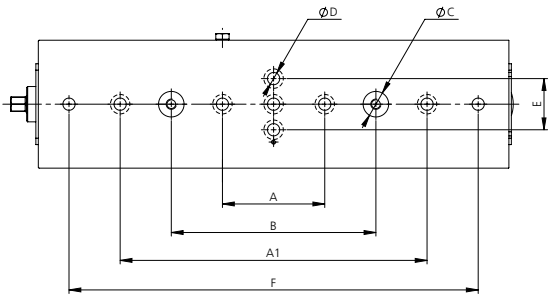
Typ	Type	A _{±0.01}	B _{±0.015}	ØC _{H6}	ØD _{H7}	E _{±0.015}	Masse (mm)	Dimensions (mm)
D2	125 L-320	100	200	25	12	50		



Typ	Type	A _{±0.01}	B _{±0.015}	ØC _{H6}	ØD _{H7}	E _{±0.015}	F _{±0.02}	Masse (mm)	Dimensions (mm)
D2	125 L-390	100	200	25	12	50	300		

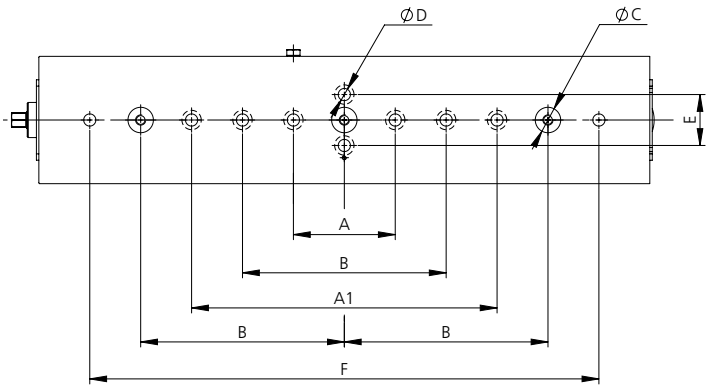
Standard Schnittstelle

Standard interface



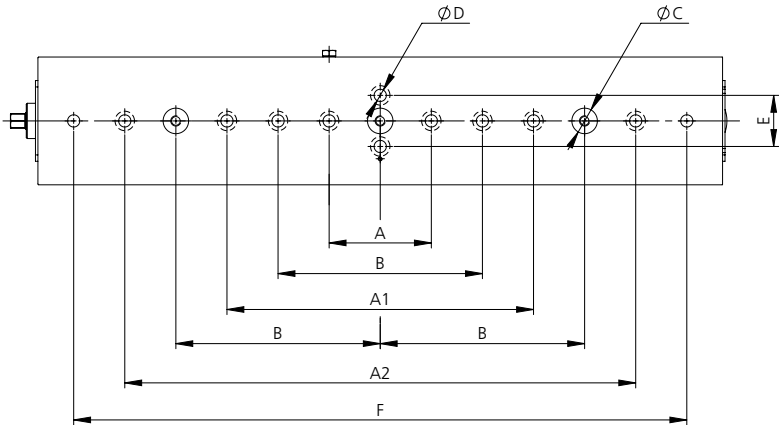
Typ	Type	A _{±0.01}	A1 _{±0.02}	B _{±0.015}	ØC _{H6}	ØD _{H7}	E _{±0.015}	F
D2 125	L-460	100	300	200	25	12	50	400 _{±0.02}
D2 125	L-530	100	300	200	25	12	50	500 _{±0.025}

Masse (mm) Dimensions (mm)



Typ	Type	A _{±0.01}	A1 _{±0.02}	B _{±0.015}	ØC _{H6}	ØD _{H7}	E _{±0.015}	F _{±0.025}
D2 125	L-600	100	300	200	25	12	50	500

Masse (mm) Dimensions (mm)



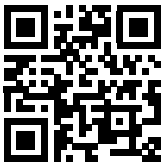
Typ	Type	A _{±0.01}	A1 _{±0.02}	A2 _{±0.025}	B _{±0.015}	ØC _{H6}	ØD _{H7}	E _{±0.015}	F
D2 125	L-670	100	300	500	200	25	12	50	600 _{±0.025}
D2 125	L-740	100	300	500	200	25	12	50	700 _{±0.03}

Masse (mm) Dimensions (mm)

Technische Informationen

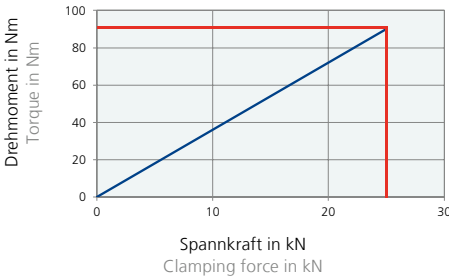
Technical information

1. Funktionsprinzip Doppelspanner D2 Functional principle double vice D2



2. Spannkräfte D2 80 Clamping forces D2 80

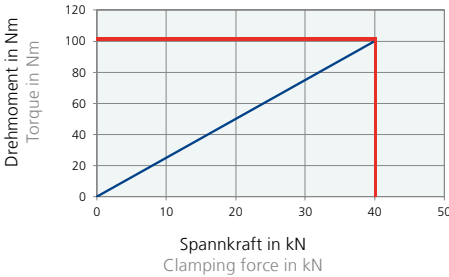
Anzugs-Drehmoment/Spannkraft
Clamping torque/clamping force



Baugröße Size	Max. Anzugs-Drehmoment Max. torque	Max. Spannkraft Max. clamping force
D2 80	90 Nm	25 kN

2. Spannkräfte D2 125 Clamping forces D2 125

Anzugs-Drehmoment/Spannkraft
Clamping torque/clamping force



Baugröße Size	Max. Anzugs-Drehmoment Max. torque	Max. Spannkraft Max. clamping force
D2 125	100 Nm	40 kN

3. Aufspannen/Ausrichten Clamping/alignment

Die D2 bieten mehrere im Spanner integrierte Möglichkeiten der Befestigung auf dem Maschinentisch. Die Einfachspanner können zur Minimierung der Rüstzeit über die bereits vorbereitete gredoc Schnittstelle auf den gredoc Spannmodulen befestigt werden. Sie können aber auch direkt über Schrauben durch den Grundkörper aufgespannt werden. Alternativ können auch alle D2 Varianten mit Spannpratzen befestigt werden.

The D2 offers several options for mounting onto the machine table integrated in the vice itself. Single vices can be attached to prepared gredoc interfaces on gredoc clamping modules to minimise the setip time. However, they can also be clamped directly onto the base body using screws. Alternatively all D2 variants can be attached using clamping claws.

D2 80



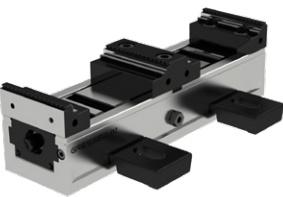
Befestigung mit Nullpunkt-Spannsystem gredoc (2 Aufnahmebolzen)
Fastening with gredoc zero point clamping system (2 alignment bolts)



Befestigung durch den Grundkörper mit 4 Stück M 8 Schrauben
Fastening with 4 pieces M 8 screws due to the base body

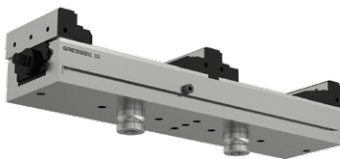


Befestigung mit 2 Stück Passschrauben durch den Grundkörper
Fastening with 2 pieces fitting screws due to the base body

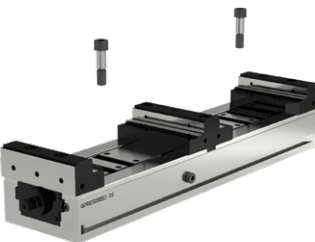


Befestigung mit 4 Spannpratzen
Fastening with 4 clamping claws

D2 125



Befestigung mit Nullpunkt-Spannsystem gredoc (2–3 Aufnahmebolzen)
Fastening with gredoc zero point clamping system (2–3 alignment bolts)

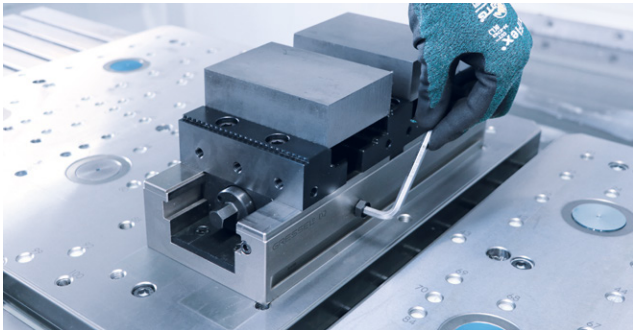
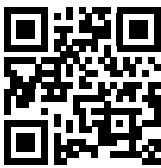


Befestigung durch den Grundkörper mit Passschrauben
Fastening with fitting screws due to the base body

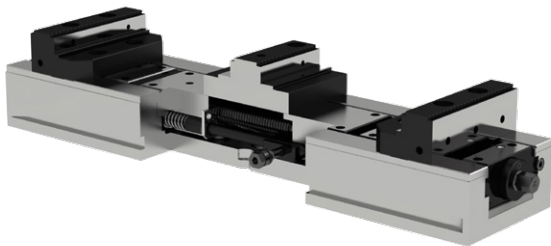


Befestigung mit 4–6 Spannpratzen
Fastening with 4–6 clamping claws

4. Funktion Dritthand-Bedienung
Third-hand function

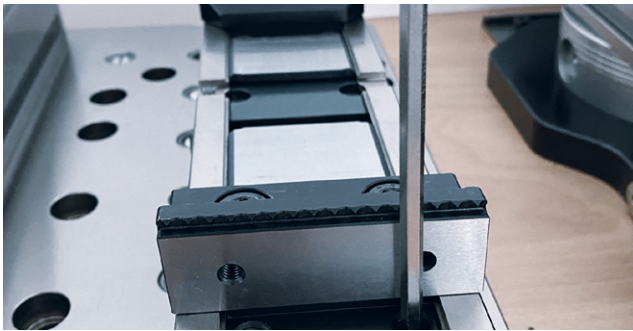
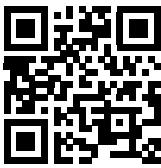


Die Funktion der Dritthand-Bedienung beim Doppelspanner D2 wird über eine Vorspannung des hinteren Schiebers mittels Druckfedern sichergestellt.



With the D2 double vice, third-hand operation is achieved by preclamping the rear carriage with pressure springs.

5. Funktion Umbau zum Einfachspanner
Function Conversion to single vice



Über den Gewindestift mit Innensechskant wird der hintere Schieber blockiert und der D2 kann auch als Einfachspanner genutzt werden.

WICHTIGER HINWEIS: Bei Verwendung mehrerer Spanner als Einfachspanner nebeneinander nicht geeignet. Hier empfehlen wir die Modifikation mit zusätzlicher Quernut im Grundkörper und dazu passender Festbacke.

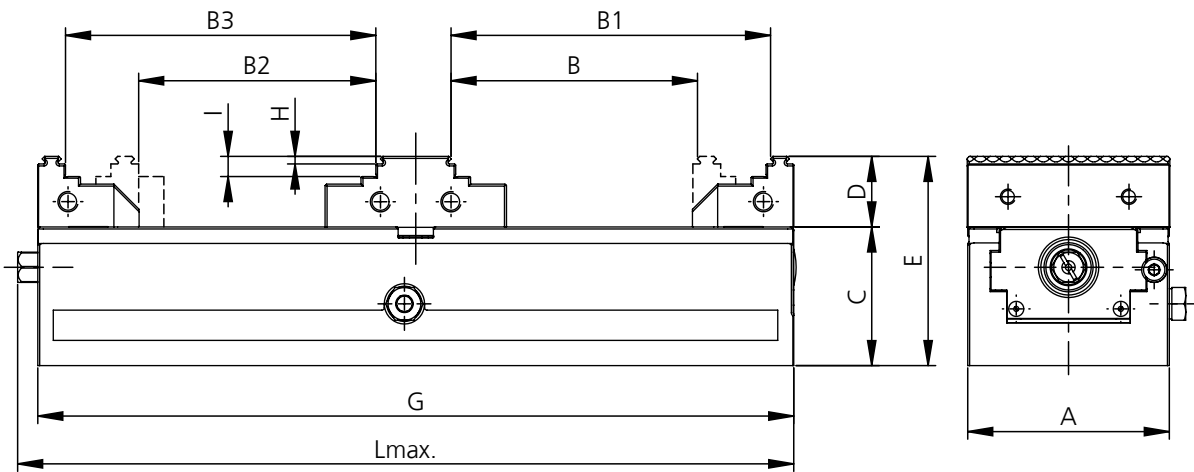
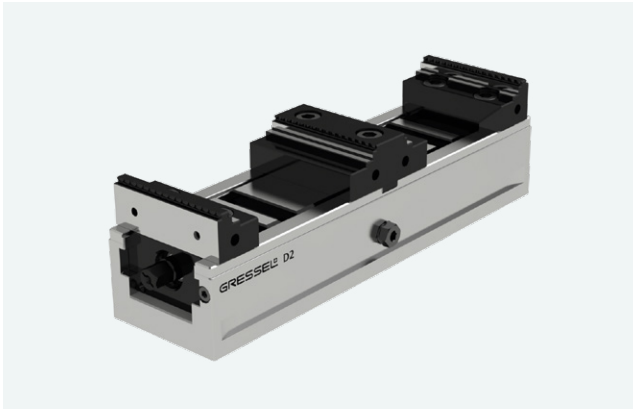


The rear slide is blocked by the threaded pin with hexagonsocket and the D2 can be used as a single vice.

IMPORTANT NOTE: Not suitable when using several vices as single vices side by side, in this case we recommend the modification with additional cross groove in the base body and matching fixed jaw.

D2 80

mit Wendebacken grip und Mittelbacke Stufe grip
with reversible grip jaws and middle jaw step grip



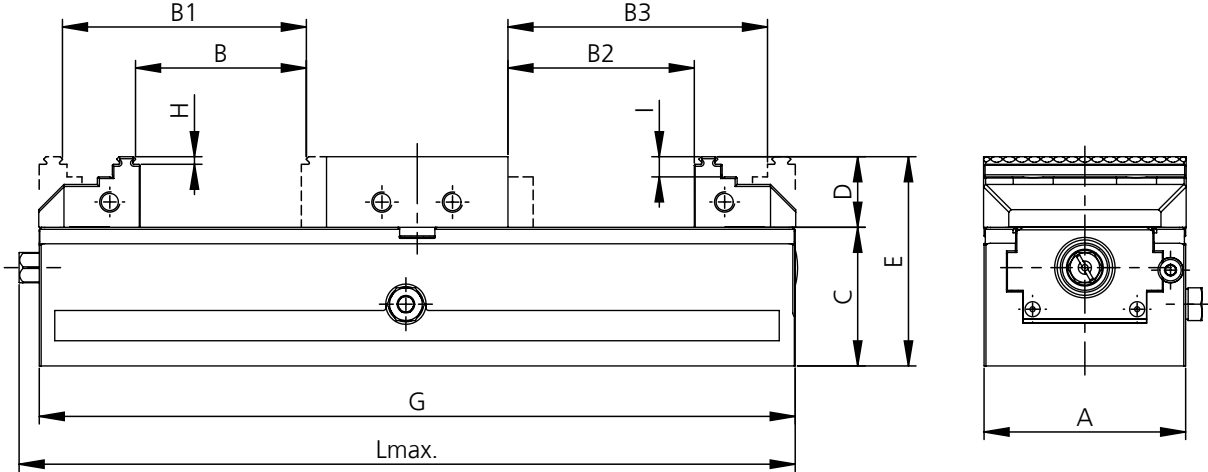
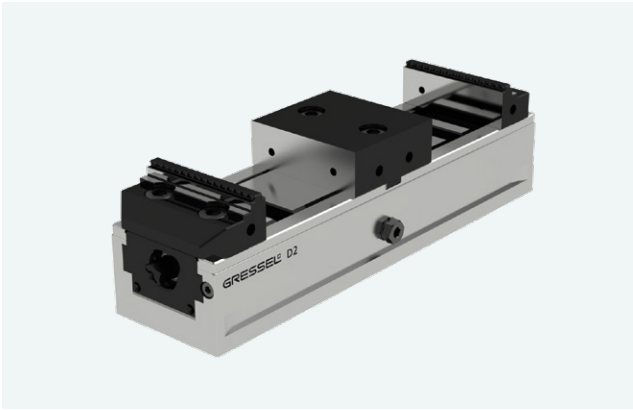
Typ	Type	A	B	B1	B2	B3	C	D	E	G	H	I	L _{max}	Masse (mm) Dimensions (mm)
D2 80	L-300	80	25–97	54–126	31–93	51–122	55	28	83	300	3	8	308	

Typ	Type	Beschreibung	Description	Backenbreite	Jaw width	Spannkraft	Clamp. force	Gewicht	Weight	Lieferumfang	Delivery details	Bestell-Nr.	Order No.
D2 80	L-300	Doppelspanner	Double vice	80		max. 25		8.0		Doppelspanner ohne Systembacken	Double vice without system jaws	DGM.080.401.01	
Systembacke	System jaw	Wendebacke grip beweglich H=28 (pro Spanner 2 Stk.) Reversible grip jaw moveable H=28 (per vice, 2 pcs.)		80				0.5		Wendebacke grip beweglich H=28 inkl. Schrauben Reversible grip jaw moveable H=28 incl. screws		CGA.080.001.01	
Systembacke	System jaw	Mittelbacke Stufe grip H=28 (pro Spanner 1 Stk.) Middle jaw step grip H=28 (per vice, 1 pc.)		80				1.0		Mittelbacke Stufe grip H=28 inkl. Schrauben Middle jaw step grip H=28 incl. screws		DGA.080.301.01	

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 80

mit Wendebacken grip und Mittelbacke glatt
with reversible grip jaws and middle jaw smooth



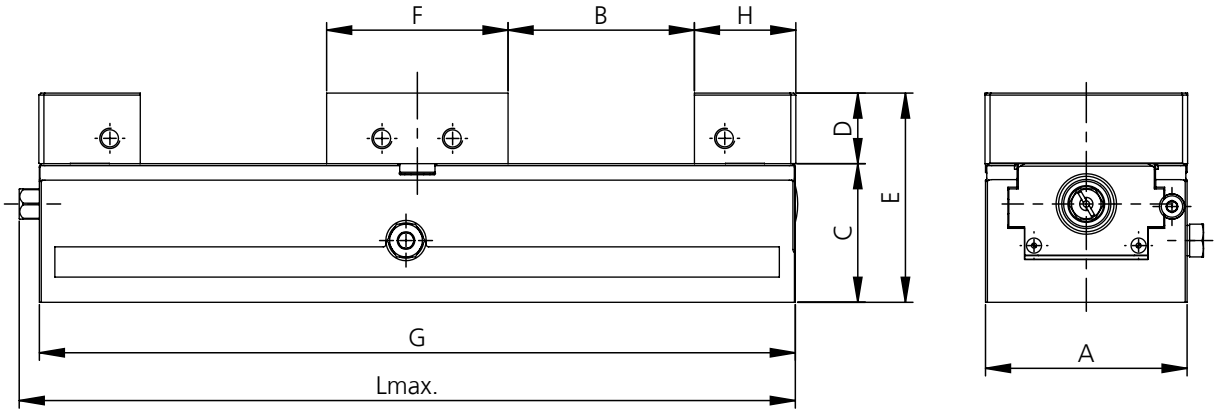
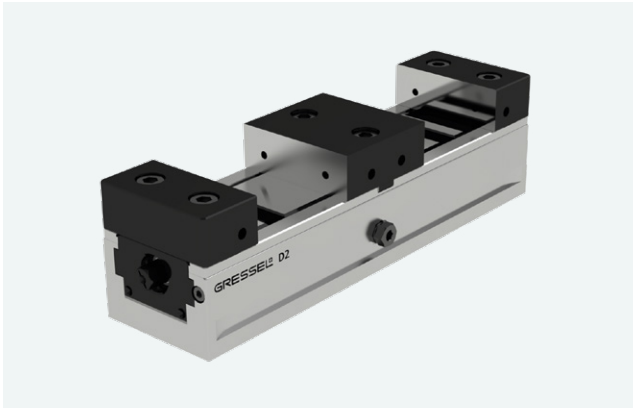
Typ	Type	A	B	B1	B2	B3	C	D	E	G	H	I	L _{max}	Masse (mm) Dimensions (mm)
D2 80	L-300	80	5–67	34–96	0–73	40–102	55	28	83	300	3	8	308	

Typ	Type	Beschreibung	Description	Backenbreite	Jaw width	Spannkraft	Clamp. force	Gewicht	Weight	Lieferumfang	Delivery details	Bestell-Nr.	Order No.
D2 80	L-300	Doppelspanner	Double vice	80		max. 25		8.0		Doppelspanner ohne Systembacken	Double vice without system jaws	DGM.080.401.01	
Systembacke	System jaw	Wendebacke grip beweglich H=28 (pro Spanner 2 Stk.) Reversible grip jaw moveable H=28 (per vice, 2 pcs.)		80				0.5		Wendebacke grip beweglich H=28 inkl. Schrauben Reversible jaw moveable H=28 incl. screws		CGA.080.001.01	
Systembacke	System jaw	Mittelbacke glatt H=28 (pro Spanner 1 Stk.) Middle jaw smooth H=28 (per vice, 1 pc.)		80				1.3		Mittelbacke glatt H=28 inkl. Schrauben Middle jaw smooth H=28 incl. screws		DGA.080.302.01	

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 80

mit Blockbacken und Mittelbacke glatt
with block jaws and middle jaw smooth



Typ	Type	A	B	C	D	E	F	G	H	L _{max.}
D2 80 L-300		80	0–73	55	28	83	72	300	40	308

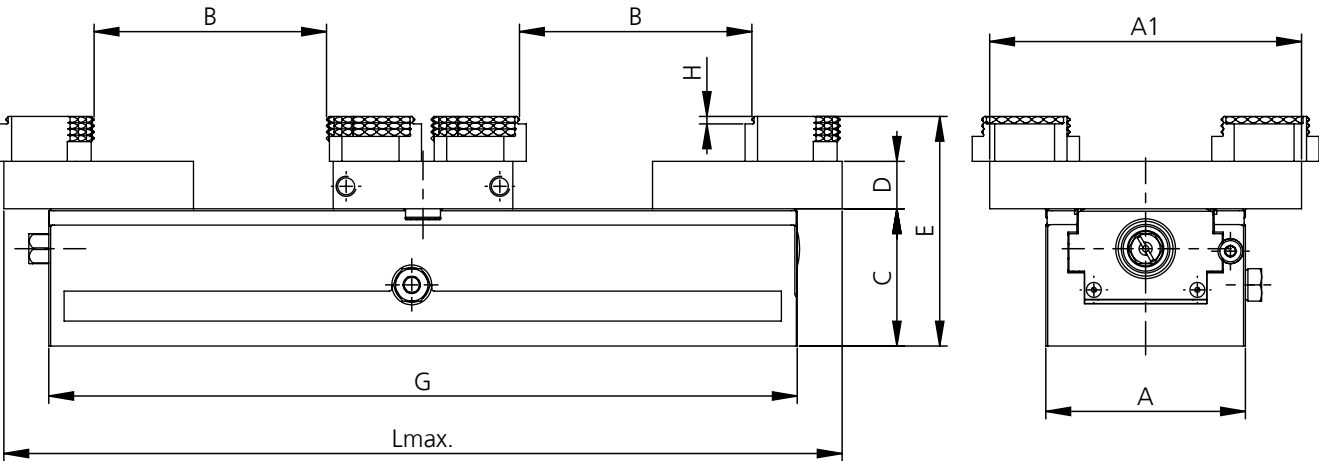
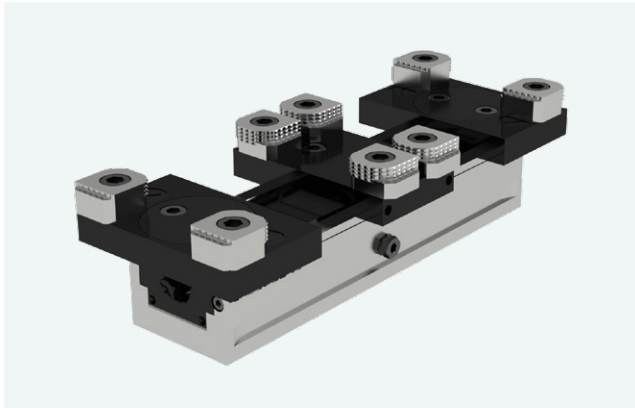
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 80 L-300	Doppelspanner Double vice	80	max. 25	8.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.080.401.01
Systembacke System jaw	Blockbacke beweglich H=28 (pro Spanner 2 Stk.) Block jaw moveable H=28 (per vice, 2 pcs.)	80		0.7	Blockbacke beweglich H=28 inkl. Schrauben Block jaw moveable H=28 incl. screws	SGA.080.203.01
Systembacke System jaw	Mittelbacke glatt H=28 (pro Spanner 1 Stk.) Middle jaw smooth H=28 (per vice, 1 pc.)	80		1.3	Mittelbacke glatt H=28 inkl. Schrauben Middle jaw smooth H=28 incl. screws	DGA.080.302.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 80

mit Pendel- und Adapterplatte
with swivel- and adapter plate



Typ	Type	A	A1	B	C	D	E	G	H	L _{max.}
D2 80 L-300		80	125	0–92	55	19	92	300	3	308

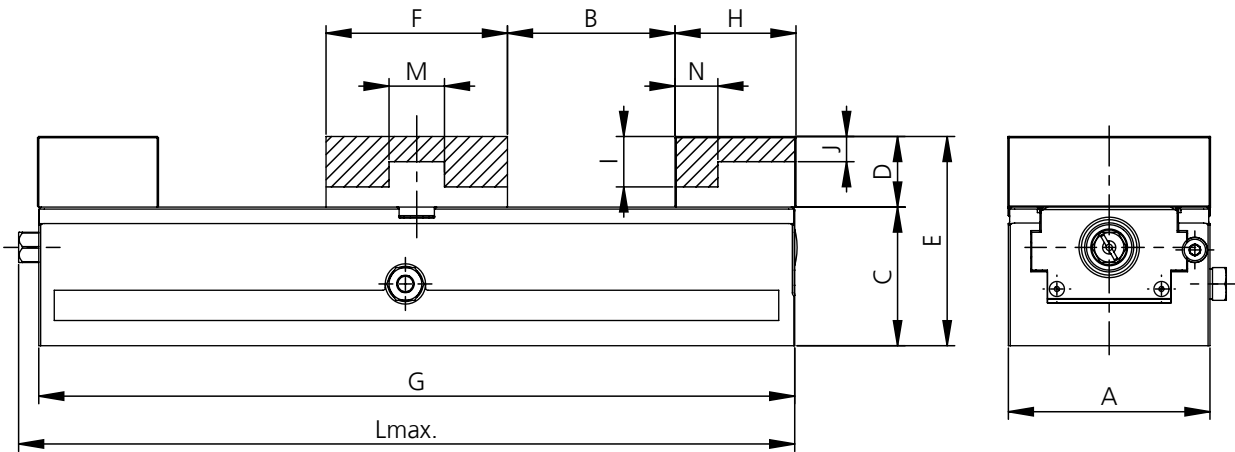
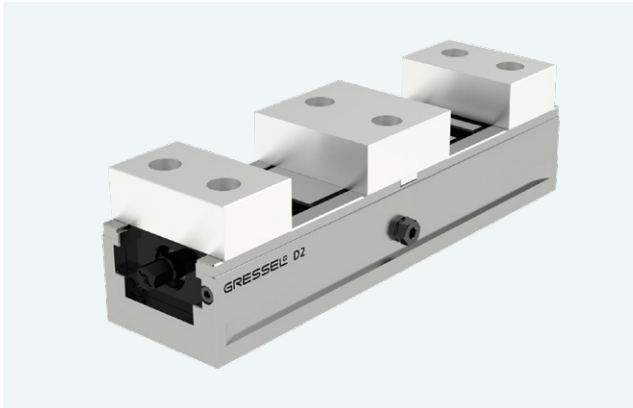
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 80 L-300	Doppelspanner Double vice	80	max. 25	8.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.080.401.01
Systembacke System jaw	Pendelplatte (pro Spanner 2 Stk.) Swivel plate (per vice, 2 pcs.)	125		1.3	Pendelplatte inkl. Schrauben Swivel plate incl. screws	CGA.080.007.01
Systembacke System jaw	Mittelbacke Adapterplatte (pro Spanner 1 Stk.) Middle jaw adapter plate (per vice, 1 pc.)	125		1.3	Mittelbacke Adapterplatte inkl. Schrauben Middle jaw adapter plate incl. screws	DGA.080.306.01
Zubehör Accessories	6-fach Wendebacke (pro Spanner 4 Stk.) 6-fold reversible jaw (per vice, 4 pcs.)			0.15	6-fach Wendebacke inkl. Schraube 6-fold reversible jaw incl. screw	GPA.000.041.01
Zubehör Accessories	6-fach Wendebacke carbide-grip (pro Spanner 4 Stk.) 6-fold reversible jaw carbide-grip (per vice, 4 pcs.)			0.15	6-fach Wendebacke carbide-grip inkl. Schraube 6-fold reversible carbide-grip incl. screw	GPA.000.046.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 80

mit Aluminium Blockbacken
with aluminium block jaws



Typ	Type	A	B	C	D	E	F	G	H	I	J	L _{max.}	M	N
D2 80	L-300	80	0-66	55	28	83	72	300	48	20	10	308	22	17

Masse (mm)
Dimensions (mm)

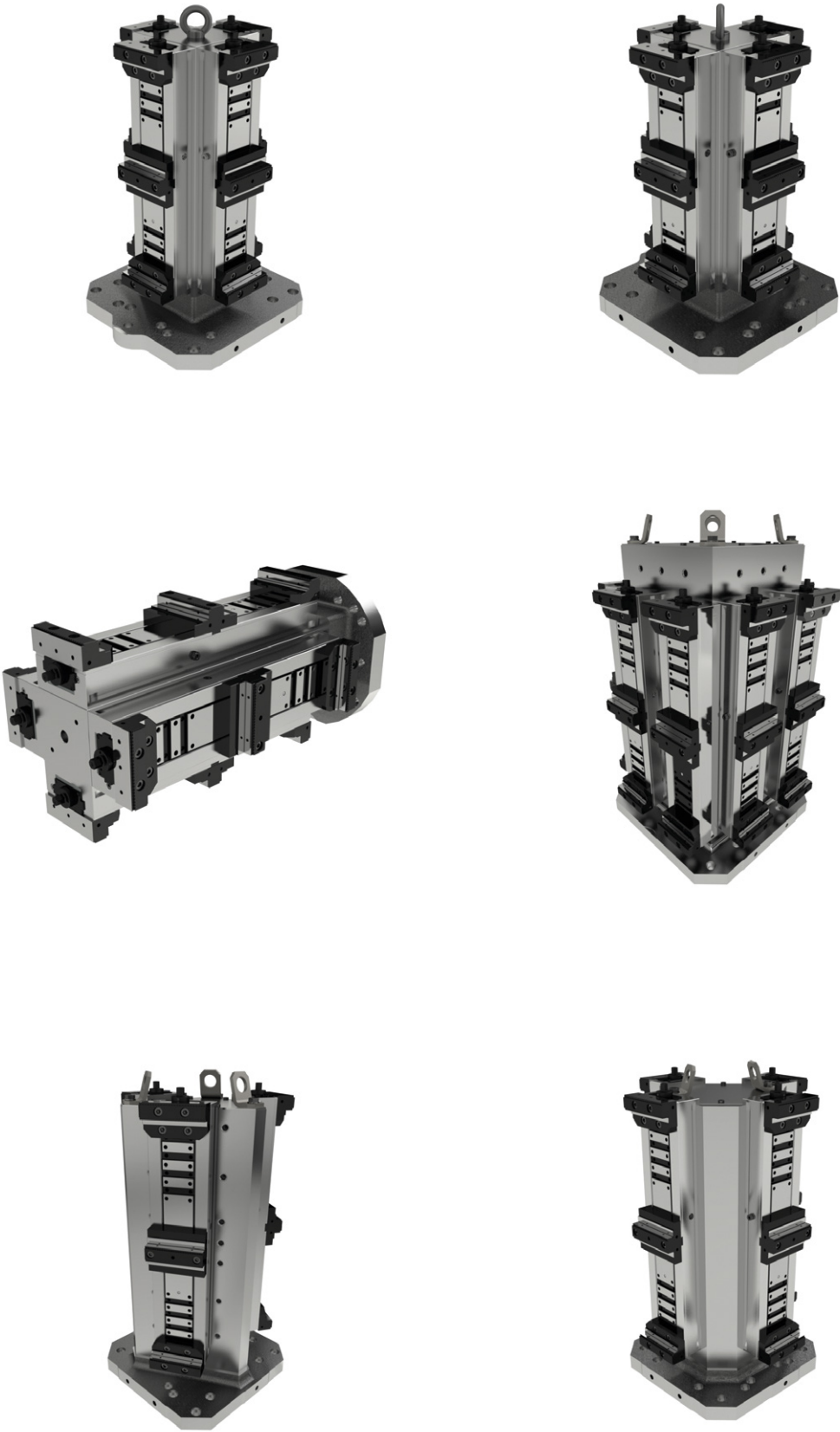
Typ	Beschreibung	Backenbreite	Spannkraft	Gewicht	Lieferumfang	Bestell-Nr.
Type	Description	Jaw width mm	Clamp. force kN	Weight kg	Delivery details	Order No.
D2 80 L-300	Doppelspanner Double vice	80	max. 25	8.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.080.401.01
Systembacke System jaw	Aluminium Blockbacken beweglich (pro Spanner 2 Stk.) Aluminium block jaws moveable (per vice, 2 pcs.)	80		0.3	Aluminium Blockbacken beweglich (pro Spanner 2 Stk.) Aluminium block jaws moveable (per vice, 2 pcs.)	CGA.080.005.01
Systembacke System jaw	Aluminium Mittelbacke (pro Spanner 1 Stk.) Aluminium middel jaw (per vice, 1 pc.)	80		0.5	Aluminium Mittelbacke (pro Spanner 1 Stk.) Aluminium middle jaw (per vice, 1 pc.)	DGA.080.305.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

Aufspanntürme Tombstones

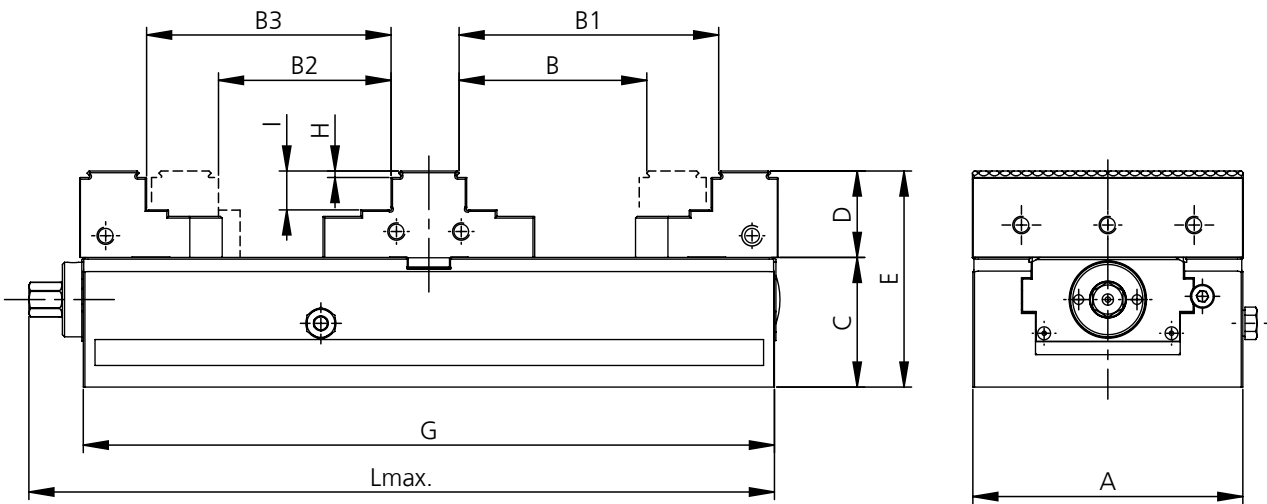
Katalog Kapitel 17
Catalog chapter 17

Seite/page 578/580



D2 125

mit Wendebacken grip und Mittelbacke Stufe grip
with reversible grip jaws and middle jaw step grip



Typ Type	A	B	B1	B2	B3	C	D	E	G	H	I	L max.
D2 125 L-320	125	40-86	75-121	42-79	68-114	60	40	100	320	3	18	347
D2 125 L-390	125	40-121	75-156	42-114	68-149	60	40	100	390	3	18	417
D2 125 L-460	125	40-156	75-191	42-149	68-184	60	40	100	460	3	18	487
D2 125 L-530	125	40-191	75-226	42-184	68-219	60	40	100	530	3	18	557
D2 125 L-600	125	40-226	75-261	42-219	68-254	60	40	100	600	3	18	627
D2 125 L-670	125	40-261	75-296	42-254	68-289	60	40	100	670	3	18	697
D2 125 L-740	125	40-296	75-331	42-289	68-324	60	40	100	740	3	18	767

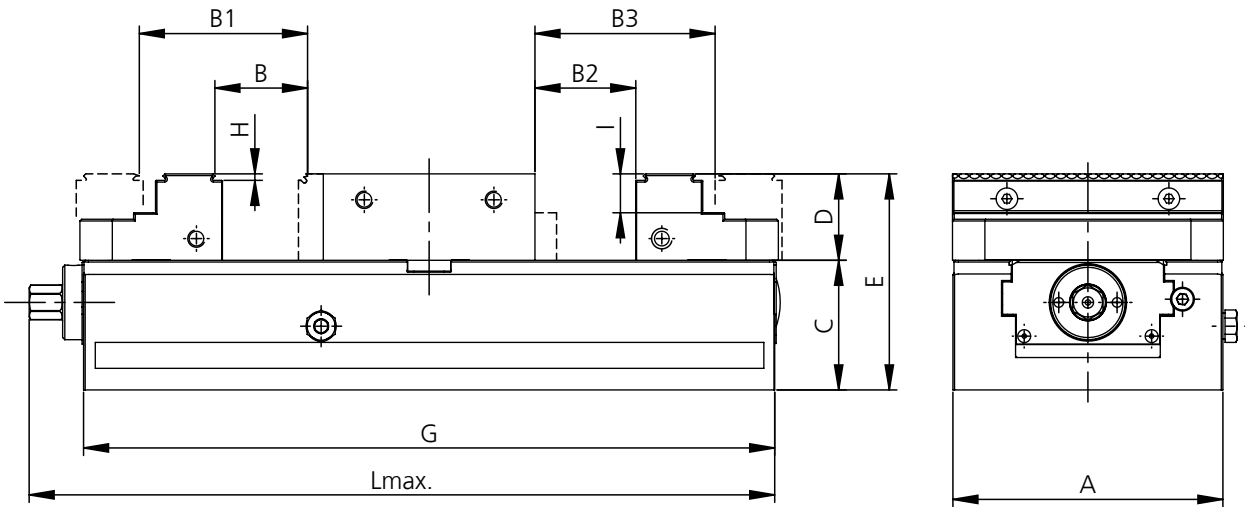
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 125 L-320	Doppelspanner Double vice	125	0-40	14.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.401.01
D2 125 L-390	Doppelspanner Double vice	125	0-40	17.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.402.01
D2 125 L-460	Doppelspanner Double vice	125	0-40	20.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.403.01
D2 125 L-530	Doppelspanner Double vice	125	0-40	24.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.404.01
D2 125 L-600	Doppelspanner Double vice	125	0-40	27.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.405.01
D2 125 L-670	Doppelspanner Double vice	125	0-40	30.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.406.01
D2 125 L-740	Doppelspanner Double vice	125	0-40	34.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.407.01
Systembacke System jaw	Wendebacke grip beweglich H=40 (pro Spanner 2 Stk.) Reversible grip jaw moveable H=40 (per vice, 2 pcs.)	125		1.5	Wendebacke grip beweglich H=40 inkl. Schrauben Reversible grip jaw moveable H=40 incl. screws	SGA.125.101.01
Systembacke System jaw	Mittelbacke Stufe grip H=40 (pro Spanner 1 Stk.) Middle jaw step grip H=40 (per vice, 1 pc.)	125		2.5	Mittelbacke Stufe grip H=40 inkl. Schrauben Middle jaw grip H=40 incl. screws	DGA.125.301.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 125

mit Wendebacken grip und Mittelbacke glatt
with reversible grip jaws and middle jaw smooth



Typ Type	A	B	B1	B2	B3	C	D	E	G	H	I	L max.
D2 125 L-320	125	7-44	42-77	0-47	46-82	60	40	100	320	3	18	347
D2 125 L-390	125	7-79	42-112	0-82	46-117	60	40	100	390	3	18	417
D2 125 L-460	125	7-114	42-147	0-117	46-152	60	40	100	460	3	18	487
D2 125 L-530	125	7-149	42-182	0-152	46-187	60	40	100	530	3	18	557
D2 125 L-600	125	7-184	42-217	0-187	46-222	60	40	100	600	3	18	627
D2 125 L-670	125	7-219	42-252	0-222	46-257	60	40	100	670	3	18	697
D2 125 L-740	125	7-254	42-287	0-257	46-292	60	40	100	740	3	18	767

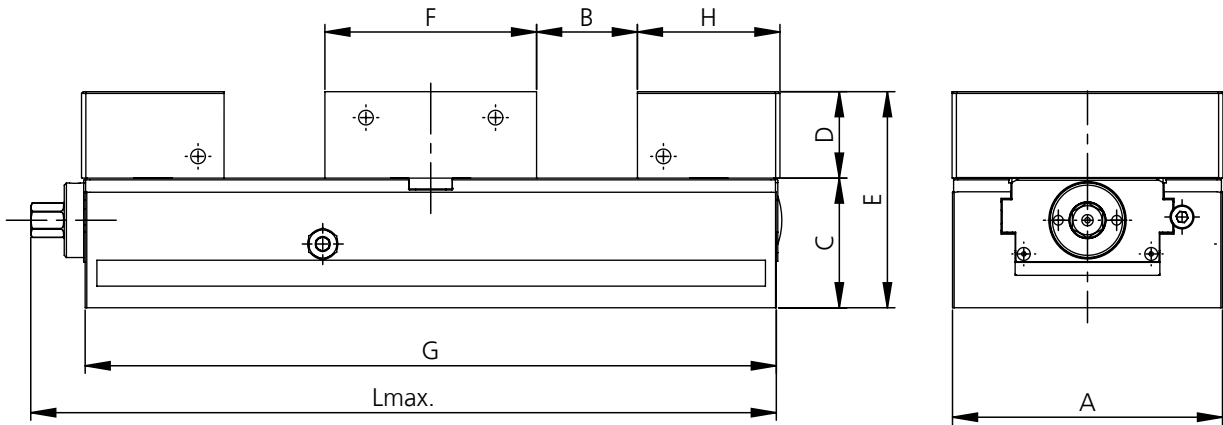
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 125 L-320	Doppelspanner Double vice	125	0-40	14.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.401.01
D2 125 L-390	Doppelspanner Double vice	125	0-40	17.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.402.01
D2 125 L-460	Doppelspanner Double vice	125	0-40	20.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.403.01
D2 125 L-530	Doppelspanner Double vice	125	0-40	24.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.404.01
D2 125 L-600	Doppelspanner Double vice	125	0-40	27.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.405.01
D2 125 L-670	Doppelspanner Double vice	125	0-40	30.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.406.01
D2 125 L-740	Doppelspanner Double vice	125	0-40	34.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.407.01
Systembacke System jaw	Wendebacke grip beweglich H=40 (pro Spanner 2 Stk.) Reversible grip jaw moveable H=40 (per vice, 2 pcs.)	125		1.5	Wendebacke grip beweglich H=40 inkl. Schrauben Reversible grip jaw moveable H=40 incl. screws	SGA.125.101.01
Systembacke System jaw	Mittelbacke glatt H=40 (pro Spanner 1 Stk.) Middle jaw smooth H=40 (per vice, 1 pc.)	125		3.7	Mittelbacke glatt H=40 inkl. Schrauben Middle jaw smooth H=40 incl. screws	DGA.125.302.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 125

mit Blockbacke und Mittelbacke glatt
with block jaw and middle jaw smooth



Typ Type	A	B	C	D	E	F	G	H	L _{max.}
D2 125 L-320	125	0–46	60	40	100	98	320	66	347
D2 125 L-390	125	0–81	60	40	100	98	390	66	417
D2 125 L-460	125	0–116	60	40	100	98	460	66	487
D2 125 L-530	125	0–151	60	40	100	98	530	66	557
D2 125 L-600	125	0–186	60	40	100	98	600	66	627
D2 125 L-670	125	0–221	60	40	100	98	670	66	697
D2 125 L-740	125	0–256	60	40	100	98	740	66	767

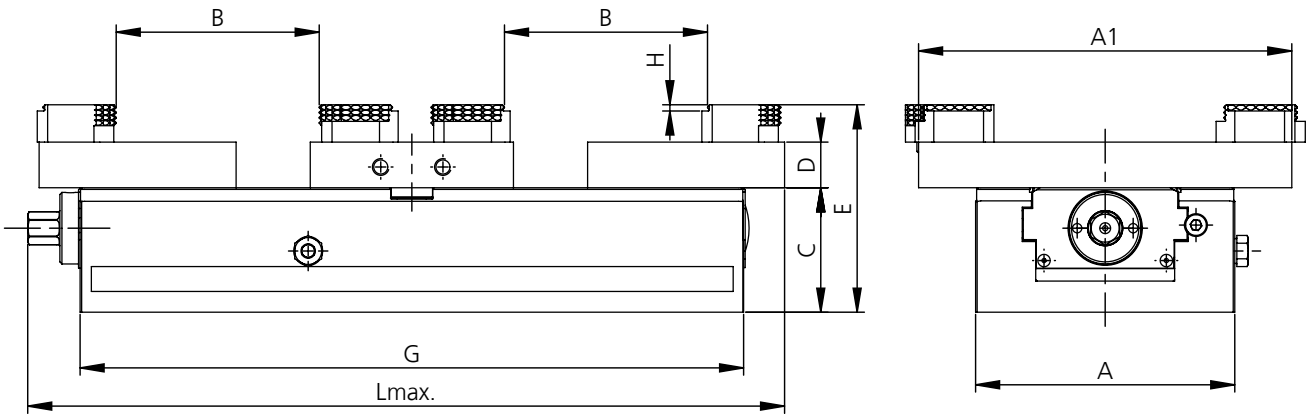
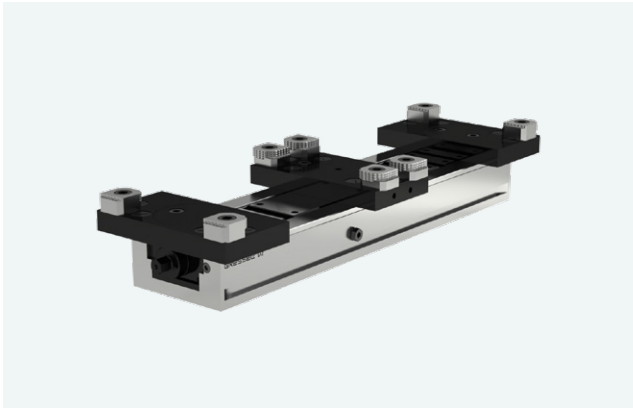
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 125 L-320	Doppelspanner Double vice	125	0–40	14.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.401.01
D2 125 L-390	Doppelspanner Double vice	125	0–40	17.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.402.01
D2 125 L-460	Doppelspanner Double vice	125	0–40	20.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.403.01
D2 125 L-530	Doppelspanner Double vice	125	0–40	24.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.404.01
D2 125 L-600	Doppelspanner Double vice	125	0–40	27.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.405.01
D2 125 L-670	Doppelspanner Double vice	125	0–40	30.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.406.01
D2 125 L-740	Doppelspanner Double vice	125	0–40	34.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.407.01
Systembacke System jaw	Blockbacke beweglich (pro Spanner 2 Stk.) Block jaw moveable (per vice, 2 pcs.)	125		2.6	Blockbacke beweglich inkl. Schrauben Block jaw moveable incl. screws	SGA.125.203.01
Systembacke System jaw	Mittelbacke glatt H=40 (pro Spanner 1 Stk.) Middle jaw smooth H=40 (per vice, 1 pc.)	125		3.7	Mittelbacke glatt H=40 inkl. Schrauben Middle jaw smooth H=40 incl. screws	DGA.125.302.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 125

mit Pendel- und Adapterplatte
with swivel- and adapter plate



Typ	Type	A	A1	B	C	D	E	G	H	L _{max.}
D2 125 L-320		125	180	7–98	60	22	100	320	3	365
D2 125 L-390		125	180	7–133	60	22	100	390	3	435
D2 125 L-460		125	180	7–168	60	22	100	460	3	505
D2 125 L-530		125	180	7–203	60	22	100	530	3	575
D2 125 L-600		125	180	7–238	60	22	100	600	3	645
D2 125 L-670		125	180	7–273	60	22	100	670	3	715
D2 125 L-740		125	180	7–308	60	22	100	740	3	785

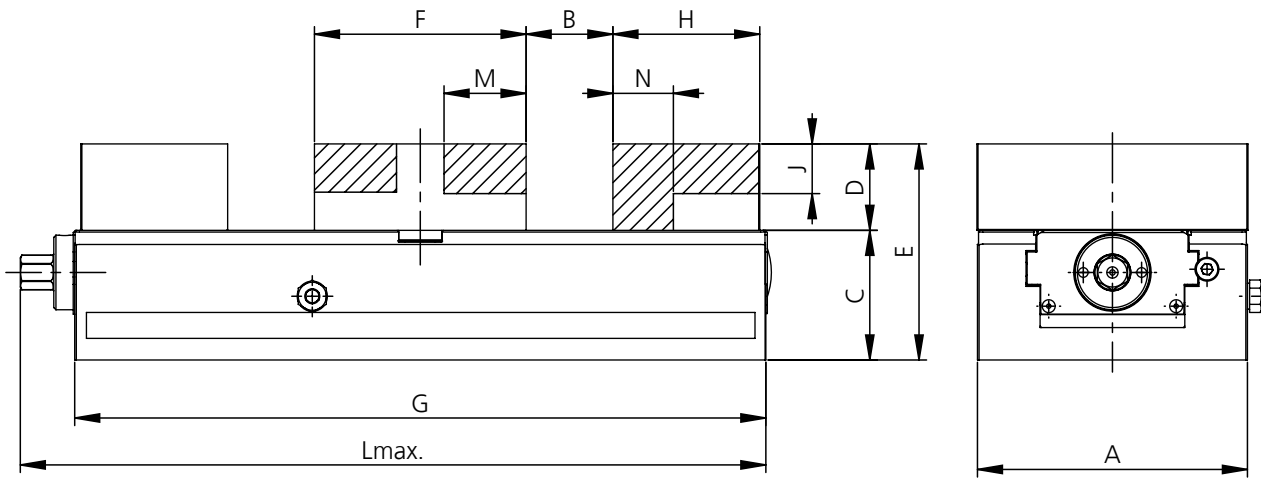
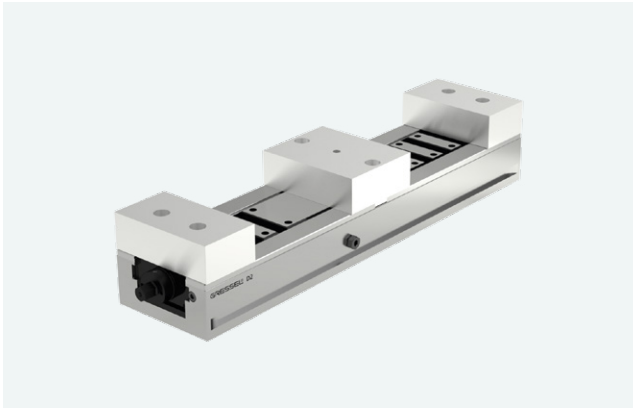
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 125 L-320	Doppelspanner Double vice	125	0–40	14.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.401.01
D2 125 L-390	Doppelspanner Double vice	125	0–40	17.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.402.01
D2 125 L-460	Doppelspanner Double vice	125	0–40	20.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.403.01
D2 125 L-530	Doppelspanner Double vice	125	0–40	24.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.404.01
D2 125 L-600	Doppelspanner Double vice	125	0–40	27.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.405.01
D2 125 L-670	Doppelspanner Double vice	125	0–40	30.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.406.01
D2 125 L-740	Doppelspanner Double vice	125	0–40	34.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.407.01
Systembacke System jaw	Pendelplatte (pro Spanner 2 Stk.) Swivel plate (per vice, 2 pcs.)	180		2.8	Pendelplatte inkl. Schrauben Swivel plate incl. screws	CGA.125.007.01
Systembacke System jaw	Mittelbacke Adapterplatte (pro Spanner 1 Stk.) Middle jaw adapter plate (per vice, 1 pc.)	180		2.8	Mittelbacke Adapterplatte inkl. Schrauben Middle jaw adapter plate incl. screws	DGA.125.306.01
Zubehör Accessories	6-fach Wendebacke (pro Spanner 8 Stk.) 6-fold reversible jaw (per vice, 8 pcs.)			0.15	6-fach Wendebacke inkl. Schraube 6-fold reversible jaw incl. screw	GPA.000.041.01
Zubehör Accessories	6-fach Wendebacke carbide-grip (pro Spanner 8 Stk.) 6-fold reversible jaw carbide-grip (per vice, 8 pcs.)			0.15	6-fach Wendebacke carbide-grip inkl. Schraube 6-fold reversible carbide-grip incl. screw	GPA.000.046.01

Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

D2 125

mit Aluminium Blockbacken
with aluminium block jaws

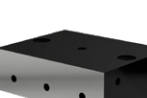
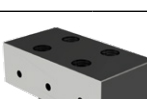
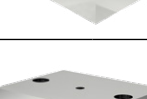


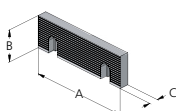
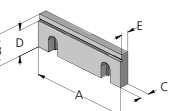
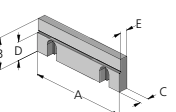
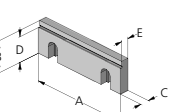
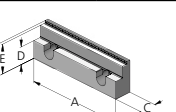
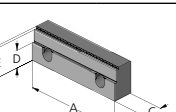
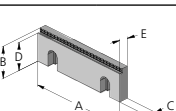
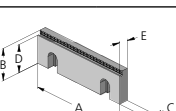
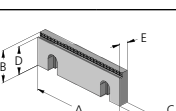
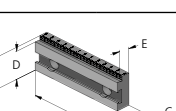
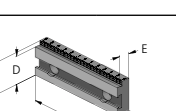
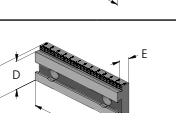
Typ Type	A	B	C	D	E	F	G	H	J	L _{max}	M	N
D2 125 L-320	125	0-42	60	40	100	98	320	68	17	347	38	28
D2 125 L-390	125	0-77	60	40	100	98	390	68	17	417	38	28
D2 125 L-460	125	0-112	60	40	100	98	460	68	17	487	38	28
D2 125 L-530	125	0-147	60	40	100	98	530	68	17	557	38	28
D2 125 L-600	125	0-182	60	40	100	98	600	68	17	627	38	28
D2 125 L-670	125	0-217	60	40	100	98	670	68	17	697	38	28
D2 125 L-740	125	0-252	60	40	100	98	740	68	17	767	38	28

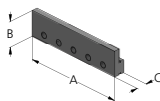
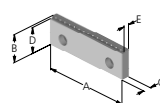
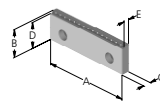
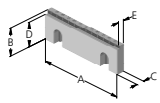
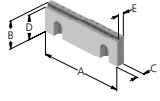
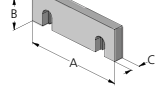
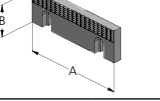
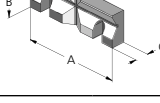
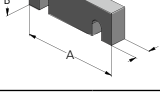
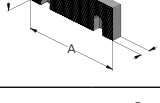
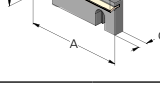
Masse (mm)
Dimensions (mm)

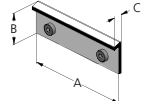
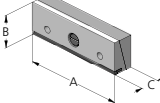
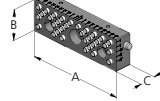
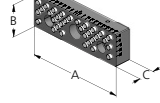
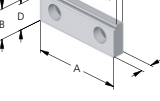
Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
D2 125 L-320	Doppelspanner Double vice	125	0-40	14.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.401.01
D2 125 L-390	Doppelspanner Double vice	125	0-40	17.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.402.01
D2 125 L-460	Doppelspanner Double vice	125	0-40	20.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.403.01
D2 125 L-530	Doppelspanner Double vice	125	0-40	24.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.404.01
D2 125 L-600	Doppelspanner Double vice	125	0-40	27.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.405.01
D2 125 L-670	Doppelspanner Double vice	125	0-40	30.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.406.01
D2 125 L-740	Doppelspanner Double vice	125	0-40	34.0	Doppelspanner ohne Systembacken Double vice without system jaws	DGM.125.407.01
Systembacke System jaw	Aluminium Blockbacken beweglich (pro Spanner 2 Stk.) Aluminium block jaws moveable (per vice, 2 pcs.)	125		0.9	Aluminium Blockbacken beweglich (pro Spanner 2 Stk.) Aluminium block jaws moveable (per vice, 2 pcs.)	CGA.125.005.01
Systembacke System jaw	Aluminium Mittelbacke (pro Spanner 1 Stk.) Aluminium middel jaw (per vice, 1 pc.)	125		1.5	Aluminium Mittelbacke (pro Spanner 1 Stk.) Aluminium middel jaw (per vice, 1 pc.)	DGA.125.305.01

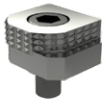
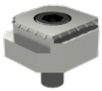
Das Spannmittel und die Systembacken müssen für diese Version jeweils separat zusammengestellt werden.
The clamping device and the system jaws have to be separately assembled for this version.

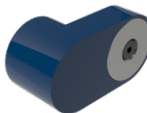
D2 Systembacken System jaws			
	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	Wendebacke grip beweglich H=28 inkl. Schrauben (1 Stk.) Reversible grip jaw moveable H=28 incl. screws (1 pc.)	C2 80/S2 80/D2 80	CGA.080.001.01
	Blockbacke beweglich H=28 inkl. Schrauben (1 Stk.) Block jaw moveable H=28 incl. screws (1 pc.)	C2 80/S2 80/D2 80	SGA.080.203.01
	Mittelbacke Stufe grip H=28 inkl. Schrauben (1 Stk.) Middle jaw grip H=28 incl. screws (1 pc.)	D2 80	DGA.080.301.01
	Mittelbacke glatt H=28 inkl. Schrauben (1 Stk.) Middle jaw smooth H=28 incl. screws (1 pc.)	D2 80	DGA.080.302.01
	Wendebacke grip beweglich H=40 inkl. Schrauben (1 Stk.) Reversible grip jaw moveable H=40 incl. screws (1 pc.)	S2 125/D2 125	SGA.125.101.01
	Blockbacke beweglich H=40 inkl. Schrauben (1 Stk.) Block jaw moveable H=40 incl. screws (1 pc.)	S2 125/D2 125	SGA.125.203.01
	Mittelbacke Stufe grip H=40 inkl. Schrauben (1 Stk.) Middle jaw stepped grip H=40 incl. screws (1 pc.)	D2 125	DGA.125.301.01
	Mittelbacke glatt H=40 inkl. Schrauben (1 Stk.) Middle jaw smooth H=40 incl. screws (1 pc.)	D2 125	DGA.125.302.01
	Aluminium Blockbacke beweglich inkl. Schrauben (1 Stk.) Aluminium block jaw moveable incl. screws (1 pc.)	C2 80/S2 80/D2 80	CGA.080.005.01
		C2 125/S2 125/D2 125	CGA.125.005.01
	Mittelbacke Aluminium inkl. Schrauben (1 Stk.) Middle jaw aluminium incl. screws (1 pc.)	D2 80	DGA.080.305.01
		D2 125	DGA.125.305.01
	Pendelplatte inkl. Schrauben (1 Stk.) Swivel plate incl. screws (1 pc.)	C2 80/S2 80/D2 80	CGA.080.007.01
		C2 125/S2 125/D2 125	CGA.125.007.01
	Mittelbacke Adapterplatte inkl. Schrauben (1 Stk.) Middle jaw adapter plate incl. screws (1 pc.)	D2 80	DGA.080.306.01
		D2 125	DGA.125.306.01

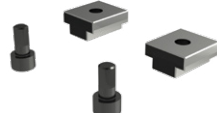
D2 Aufsatzbacken Top jaws									
	Bezeichnung Designation	Masse (mm) Dimensions (mm)					Passend zu Typ Suitable for type		Bestell-Nr. Order No.
		A	B	C	D	E	D2 80	D2 125	
	Standardbacke Oberfläche profiliert inkl. Schrauben (1 Stk.) Standard jaw profiled surface incl. screws (1 pc.)	125	40	11.5				X	MHS.125.545.01
	Stufenbacke 8 mm inkl. Schrauben (1 Stk.) Stepped jaw 8 mm incl. screws (1 pc.)	125	40	11.5	32	9.5		X	MHS.125.190.11
	Stufenbacke 17 mm inkl. Schrauben (1 Stk.) Stepped jaw 17 mm incl. screws (1 pc.)	125	40	11.5	23	9.5		X	MSA.125.188.11
	Stufenbacke beschichtet 5 mm inkl. Schrauben (1 Stk.) Stepped jaw coated 5 mm incl. screws (1 pc.)	80	28	10	23	7.5	X		DGA.080.012.11
		125	40	11.5	35	9.5		X	MSA.125.189.11
	Stufenbacke 18 mm und 3 mm grip inkl. Schrauben (1 Stk.) Stepped jaw 18 mm and 3 mm grip incl. screws (1 pc.)	125	40	21.5	22	37		X	MSA.125.167.11
	Stufenbacke breit 18 mm und 3 mm grip inkl. Schrauben (1 Stk.) Stepped jaw width 18 mm and 3 mm grip incl. screws (1 pc.)	125	40	24	22	37		X	MSA.125.168.11
	Stufenbacke grip 3 mm inkl. Schrauben (1 Stk.) Stepped grip jaw 3 mm incl. screws (1 pc.)	80	28	10	25	7	X		DGA.080.013.11
		125	40	11.5	37	9		X	MHS.125.172.12
	Stufenbacke grip 5 mm inkl. Schrauben (1 Stk.) Stepped grip jaw 5 mm incl. screws (1 pc.)	125	40	11.5	35	9		X	MHS.125.171.01
	Stufenbacke grip 8 mm inkl. Schrauben (1 Stk.) Stepped grip jaw 8 mm incl. screws (1 pc.)	125	40	11.5	32	9		X	MHS.125.170.12
	Stufenbacke grip 3 mm mit T-Nut inkl. Schrauben (1 Stk.) Stepped grip jaw 3 mm with t-slot incl. screws (1 pc.)	125	40	17.5	37	11.5		X	MSA.125.152.11
	Stufenbacke grip 5 mm mit T-Nut inkl. Schrauben (1 Stk.) Stepped grip jaw 5 mm with t-slot incl. screws (1 pc.)	125	40	17.5	35	11.5		X	MSA.125.151.11
	Stufenbacke grip 8 mm mit T-Nut inkl. Schrauben (1 Stk.) Stepped grip jaw 8 mm with t-slot incl. screws (1 pc.)	125	40	17.5	32	11.5		X	MSA.125.150.11

D2 Aufsatzbacken Top jaws									
	Bezeichnung Designation	Masse (mm) Dimensions (mm)					Passend zu Typ Suitable for type		Bestell-Nr. Order No.
		A	B	C	D	E	D2 80	D2 125	
	Positionierleiste (1 Stk.) für Stufenbacke grip mit T-Nut inkl. 2 Gewindestifte M8 Positioning strip (1 pc.) for stepped grip jaw with t-slot incl. 2 threads pins M8	125	32	13.5				X	MSA.125.155.01
	Stufenbacke carbide-grip 3 mm (1 Stk.) Stepped carbide-grip jaw 3 mm (1 pc.)	125	40	11.5	37	8		X	MSA.125.160.01
	Stufenbacke carbide-grip 5 mm (1 Stk.) Stepped carbide-grip jaw 5 mm (1 pc.)	125	40	11.5	35	8		X	MSA.125.161.01
	Stufenbacke grip 5 mm für Aluminium und Kunststoff (1 Stk.) Stepped grip jaw 5 mm for aluminium and plastic (1 pc.)	125	40	11.5	35	8		X	MHZ.125.094.11
	Stufenbacke Prägeprofil LANG (1 Stk.) Stepped jaw pre-stamp profile LANG (1 pc.)	125	40	11.5	37			X	MSA.125.153.01
	Backe geschliffen inkl. Schrauben (1 Stk.) Ground jaw incl. screws (1 pc.)	125	40	11.5				X	MHS.125.198.11
	Backe grip inkl. Schrauben (1 Stk.) Grip jaw incl. screws (1 pc.)	125	40	11.5				X	MHS.125.193.11
	Prismabacke 125 ø14-48 mm inkl. Schrauben (1 Stk.) Prismatic jaw 125 ø14-48 mm incl. screws (1 pc.)	125	40	17.5				X	MHS.125.191.11
	Backe weich (Stahl) inkl. Schrauben (1 Stk.) Soft jaw (Steel) incl. screws (1 pc.)	125	40	20				X	MHS.125.192.11
	Backe gehauen inkl. Schrauben (1 Stk.) Serrated jaw incl. screws (1 pc.)	125	40	12.2				X	MHS.125.199.11
	Federblatt-Niederzugbacke inkl. Schrauben (1 Stk.) Pull-down jaw with spring plate incl. screws (1 pc.)	125	40	11.5		19		X	MHS.125.196.01

D2 Aufsatzbacken Top jaws									
	Bezeichnung Designation	Masse (mm) Dimensions (mm)					Passend zu Typ Suitable for type		Bestell-Nr. Order No.
		A	B	C	D	E	D2 80	D2 125	
	Federblech-Niederzugbacke inkl. Schrauben (1 Stk.) Pull-down jaw with spring plate incl. screws (1 pc.)	80 125	24 35	9 10			X		MSA.080.194.01 MSA.125.196.01
	Präzisions-Niederzugbacke inkl. Schrauben (1 Stk.) Precision pull-down jaw incl. screws (1 pc.)	125	40	25				X	MSA.125.240.01
	Spannbacke mit Positionierstiften - Stift rechts inkl. Schrauben (1 Stk.) Clamping jaw with positioning pins - pen right incl. screws (1 pc.)	125	40	20				X	MSA.125.181.01
	Spannbacke mit Positionierstiften - Stift links inkl. Schrauben (1 Stk.) Clamping jaw with positioning pins - pen left incl. screws (1 pc.)	125	40	20				X	MSA.125.182.01
	Universal-Stufenbacke inkl. Schrauben (1 Stk.) Universal-stepped jaw incl. screws (1 pc.)	80	28	10	23	7.5	X		CGA.080.013.11

D2 Zubehör Accessories			
	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	6-fach Wendebacke inkl. Schraube für Adapter- und Pendelplatte (1 Stk.) 6-fold reversible jaw incl. screw for adapter- and swivel plate (1 pc.)	D2 80	GPA.000.041.01
		D2 125	GPA.000.041.01
	6-fach Wendebacke carbide-grip inkl. Schraube für Adapter- und Pendelplatte (1 Stk.) 6-fold reversible carbide-grip incl. screw for adapter- and swivel plate (1 pc.)	D2 80	GPA.000.046.01
		D2 125	GPA.000.046.01
		D2 160	GPA.000.046.01
	Werkstückanschlag für M8/M10 Workpiece stop for M8/M10	D2 80	MSA.000.275.01
		D2 125	MSA.000.275.01
	Werkstückanschlag für M8 Workpiece stop for M8	D2 80	FSA.000.010.01
		D2 125	FSA.000.010.01
	Werkstückunterlage für D2 80, Höhe ... (Satz à 2 Stk.) Workpiece supports for D2 80, height ... (set of 2 pcs.)	15 mm	SGA.080.315.01
		20 mm	DGA.080.420.01
	Werkstückunterlage für D2 125, Höhe ... (Satz à 2 Stk.) Workpiece supports for D2 125, height ... (set of 2 pcs.)	15 mm	DGA.125.415.01
		22 mm	DGA.125.422.01
		25 mm	DGA.125.425.01
		32.5 mm	DGA.125.432.01
	Drehmomentschlüssel 10 – 100 Nm, mit Vierkant-Antrieb ½" ohne Sechskant-Einsatz Torque wrench 10 – 100 Nm, with square-drive ½" without hexagonal-insert	D2 80	XNF.91101.010
		D2 125	XNF.91101.010
	Sechskant-Einsatz SW 12/½" Hexagonal insert SW 12/½"	D2 80	XNF.91104.012
	Sechskant-Einsatz SW 14/½" Hexagonal insert SW 14/½"	D2 125	XNF.91104.014
	Spannpratzen (2 Stk.) Clamping claws (2 pcs.)	D2 80	GPA.000.015.01
		D2 125	GPA.000.015.01
	Aufspannschrauben für Spannpratzen für T-Nut (Satz à 2 Stk.) Clamping screws for clamping claws for t-slot (set of 2 pcs.)	12 mm/M10	MAA.000.012.01
		14 mm/M12	MAA.000.014.01
		16 mm/M14	MAA.000.016.01
		18 mm/M16	MAA.000.018.01

D2 Zubehör Accessories			
	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	Magnet-Werkstückunterlagen Set (1 Set) Magnet-Workpiece support set (1 set.)	D2 80	CGA.080.031.01
		D2 125	SGA.125.031.01
	Magnet Anschlag klein 60 × 15 mm (1 Set) Magnet workpiece stop small 60 × 15 mm (1 set)	D2 80 + D2 125	XNF.41000.001
	Magnet Anschlag gross 115 × 15 mm (1 Set) Magnet workpiece stop big 115 × 15 mm (1 set)	D2 80 + D2 125	XNF.41000.005
	Verlängerung 68 × 30 mm (1 Set) Extension 68 × 30 mm (1 set)	D2 80 + D2 125	XNF.41000.004
	Abdeckung komplett ohne Mittelbacke (1 Stk.) Cover plate complete without middle jaw (1 pc.)	D2 125	DGA.125.307.01

D2 Zubehör Accessories			
	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	Passschrauben ø12f7 / M12 (2 Stk.) Fitting screws ø12f7 / M12 (2 pcs.)	D2 80	FSA.000.005.01
		D2 125	FSA.000.005.01
	Aufnahmebolzen inkl. Schrauben (1 Stk.) Alignment bolt incl. screws (1 pc.)	gredoc	NGA.000.001.01
	Aufspannschrauben für Grundkörper für T-Nut (Satz à 2 Stk.) Clamping screws for base body for t-slot (set of 2 pcs.)	12 mm / M10	NGA.020.012.01
		14 mm / M12	NGA.020.014.01
		16 mm / M14	NGA.020.016.01
		18 mm / M16	NGA.020.018.01
	Ausricht- und Zentrierset für D2 80/S2 80 und T-Nut (1 Stk.) Alignment and centring bolt for D2 80/S2 80 and t-slot (1 pc.)	12	SGA.080.412.01
		14	SGA.080.414.01
		16	SGA.080.416.01
		18	SGA.080.418.01
	Ausricht- und Zentrierset für D2 125/S2 125 und T-Nut (1 Stk.) Alignment and centring bolt for D2 125/S2 125 and t-slot (1 pc.)	14	KLA.100.014.01
		16	KLA.100.016.01
		18	KLA.100.018.01
	Verschlussstopfen für Gewinde (1 Stk.) Closing plug for thread (1 pc.)	D2 80	XNN.10704.459
		D2 125	XNN.10704.459
	Präzisions-Nutensteine mit Schrauben für T-Nut (Satz à 2 Stk.) Precision slot nuts with screws for t-slot (set of 2 pcs.)	12 mm / M6	MAA.110.012.01
		14 mm / M6	MAA.110.014.01
		16 mm / M6	MAA.110.016.01
		18 mm / M6	MAA.110.018.01
	gredoc Indexierbolzen für Handling mit gredoc (1 Stk.) gredoc indexing pin for handling with gredoc (1 pc.)		NGA.000.042.11
	Zylinderstift-Set ø12m6 L=24 mm für Spannmittel Montage (2 Stk.) Cylinder pin set ø12m6 L=24 mm for assembly clamping devices (2 pcs.)		NGA.000.022.01

