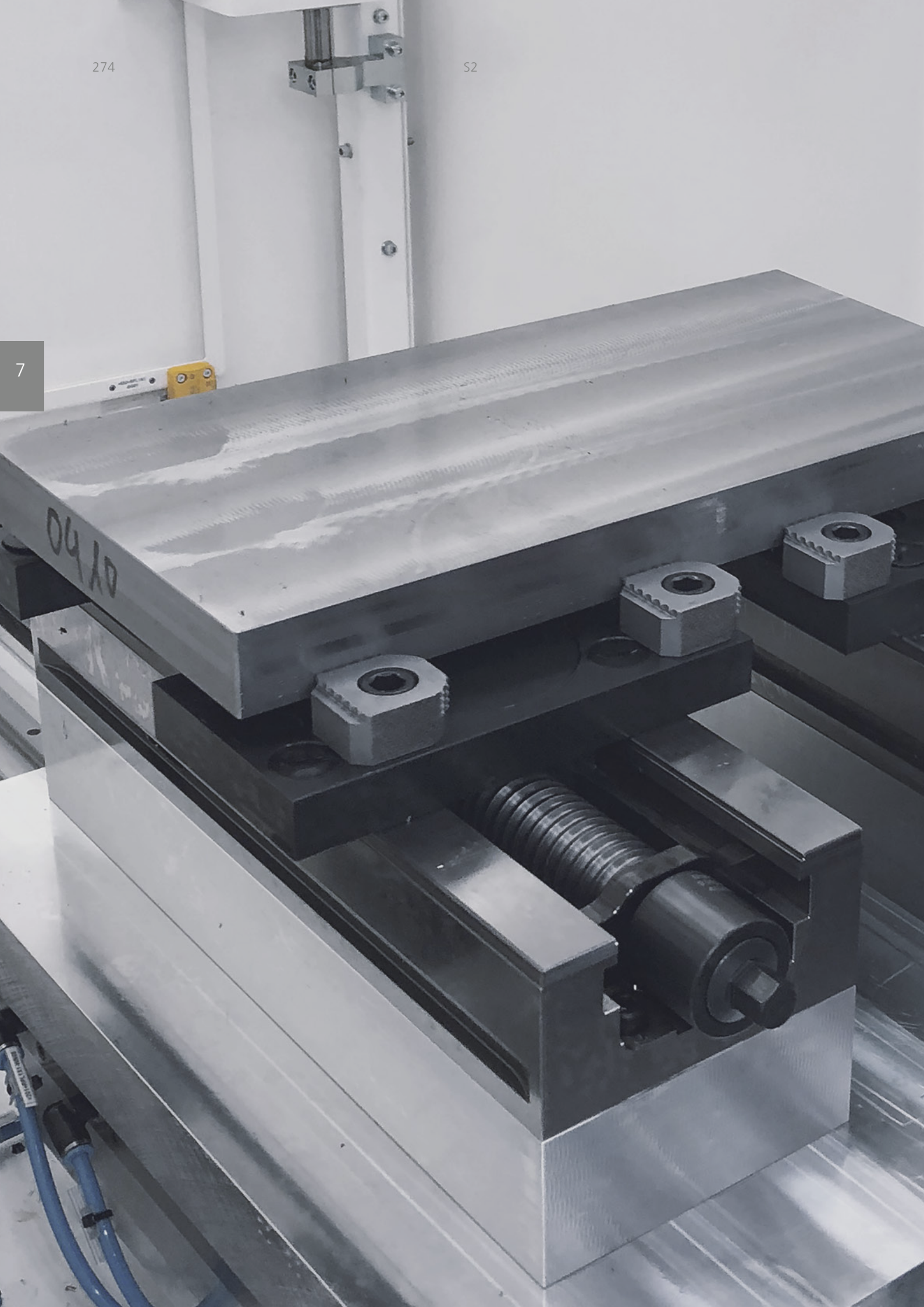




7

S2

Einfachspanner Single vise

**Hocheffizienter Allrounder für die
Roh- und Fertigteilbearbeitung**

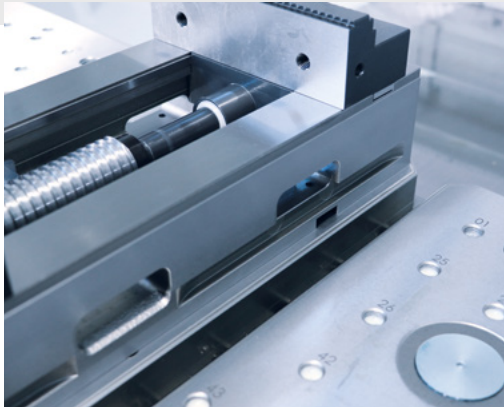
**The highly efficient all-rounder for
raw and finished part machining**

Die Einfachspanner S2 überzeugen mit Hebel-Schnellspannung, Schnelleinstellung des Spannbereichs, flacher Bauweise und geringem Gewicht.

The S2 single vises convince with lever quick clamping, rapid adjustment of the clamping area, slim design and low weight.

Ihre Nutzen

Your benefits



**mehrere Kühlschmiermittel-
abläufe für störungsfreies Arbeiten
und kontrollierten Abfluss**
multiple coolant drains for
trouble-free working and con-
trolled draining of the coolant



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

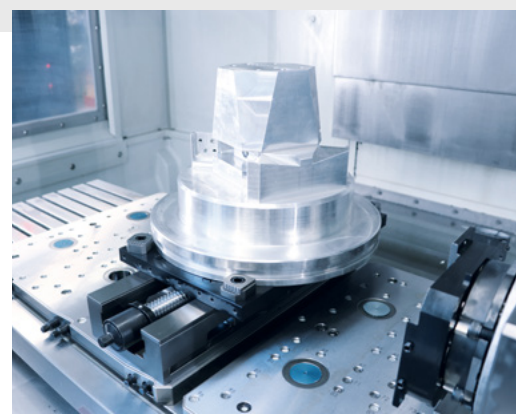


**hohe Spannkraft zwischen
5–50 kN mit geringem An-
zugs-Drehmoment**
high clamping forces between
5–50 kN with low tightening
torque

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



**schnelle und leichte
Demontage der Spindeleinheit**
quick and easy disassembly
of the spindle unit



**umfangreiches Baukasten
Backenprogramm**
extensive construction kit
jaw program

Systemübersicht S2

System overview S2

① Hohe Spannkraft und grosser Spannbereich

High clamping force and large clamping range

- Spannkraften von 25 kN (80)/40 kN (125)/50 kN (160)
- Spannbereich S2 80 0–192 mm
- Spannbereich S2 125 0–308 mm
- Spannbereich S2 125 XL 66–675 mm
- Spannbereich S2 160 0–434 mm
- Clamping forces up to 25 kN (80)/40 kN (125)/50 kN (160)
- Clamping range S2 80 0–192 mm
- Clamping range S2 125 0–308 mm
- Clamping range S2 125XL 66–675 mm
- Clamping range S2 160 0–434 mm

② Hohe Genauigkeit

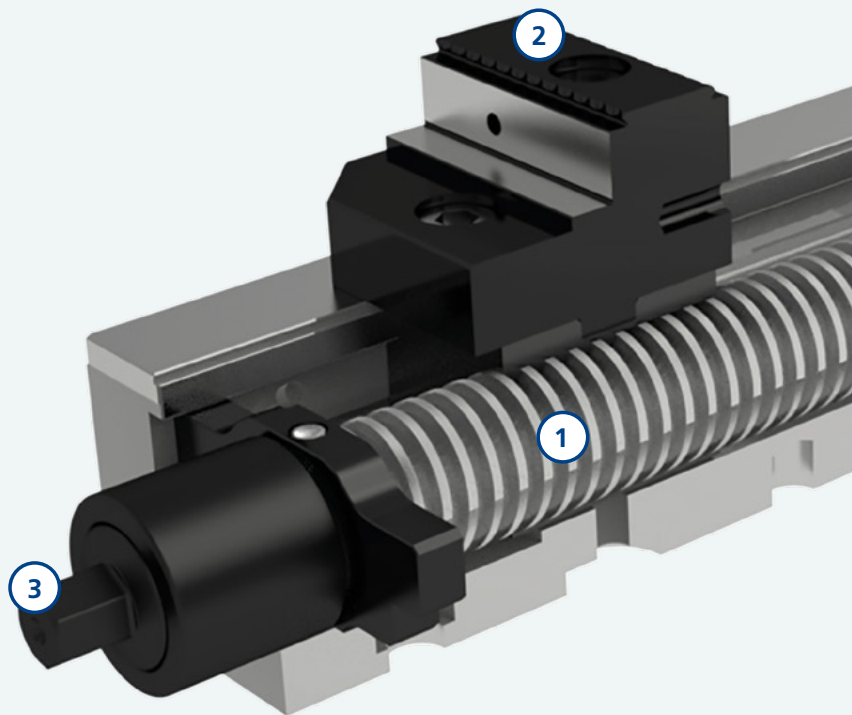
High precision

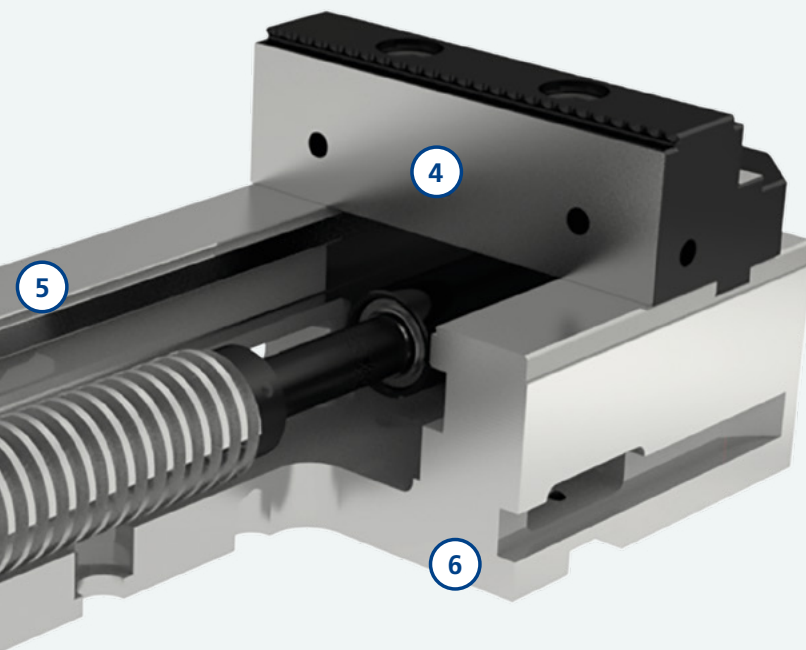
- Wiederholgenauigkeit ± 0.01 mm (80+125)/ ± 0.015 mm (160)
- Repeat accuracy ± 0.01 mm (80+125)/ ± 0.015 mm (160)

③ Hebel-Schnellspannung

Lever quick clamping

- Spannzeit unter 1 Sekunde
- kein Winkeltrieb notwendig
- Clamping time under 1 second
- no angle drive necessary





④ GRESSEL Baukasten
Backenprogramm
GRESSEL construction kit
jaw program

- Systembacken
- Aufsatzbacken
- System jaws
- Top jaws

⑤ Präziser Grundkörper
Precise base body

- verschleissfest
- Unterseite und Führungen geschliffen
- wear resistant
- Bottom and guides ground

⑥ Einfaches Aufspannen
Easy mounting

- schnell und direkt positioniert auch ohne Spannpratzen
- Einsatz aller gängigen Nullpunkt-Spannsysteme
- quickly and directly positioned even without clamping claws
- Application of all established zero point clamping systems

Baukasten

Construction kit



S2 80

Wendebacken grip
Reversible grip jaws

[Seite/page 287](#)



S2 125/S2 125 XL

Wendebacken grip
Reversible grip jaws

[Seite/page 292/293](#)



S2 160

Wendebacken grip
Reversible grip jaws

[Seite/page 298](#)



S2 80

Wendebacken grip Breite 40
Reversible grip jaws width 40

[Seite/page 291](#)



S2 125

Wendebacken grip Breite 65
Reversible grip jaws width 65

[Seite/page 297](#)



S2 80/S2 125/ S2 160

Blockbacken
Block jaws

[Seite/page 288/294/299](#)



S2 80/S2 125/ S2 160

Aluminium Aufsatzbacken
Aluminium top jaws

[Seite/page 289/295/300](#)



S2 80/S2 125/ S2 160

Adapter- und Pendelplatte
Adapter and swivel plate

[Seite/page 290/296/301](#)



S2 125 L-362 4V

Spanntürme
(Katalog Kapitel 18)
Tombstones
(catalog chapter 18)

[Seite/page 645](#)

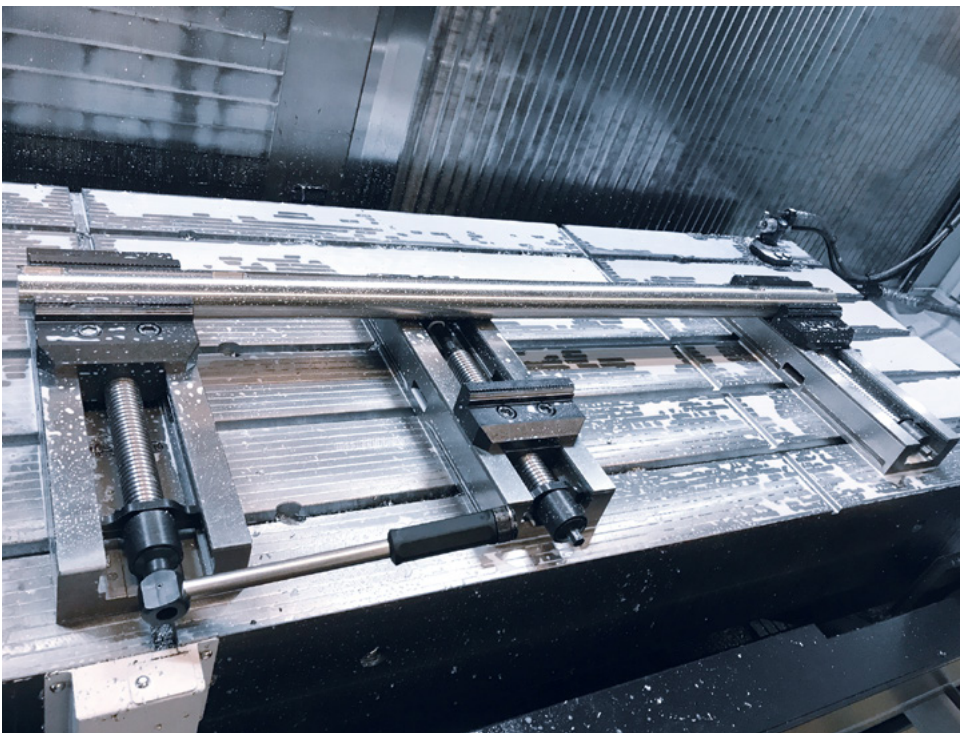
Anwendungen

Applications



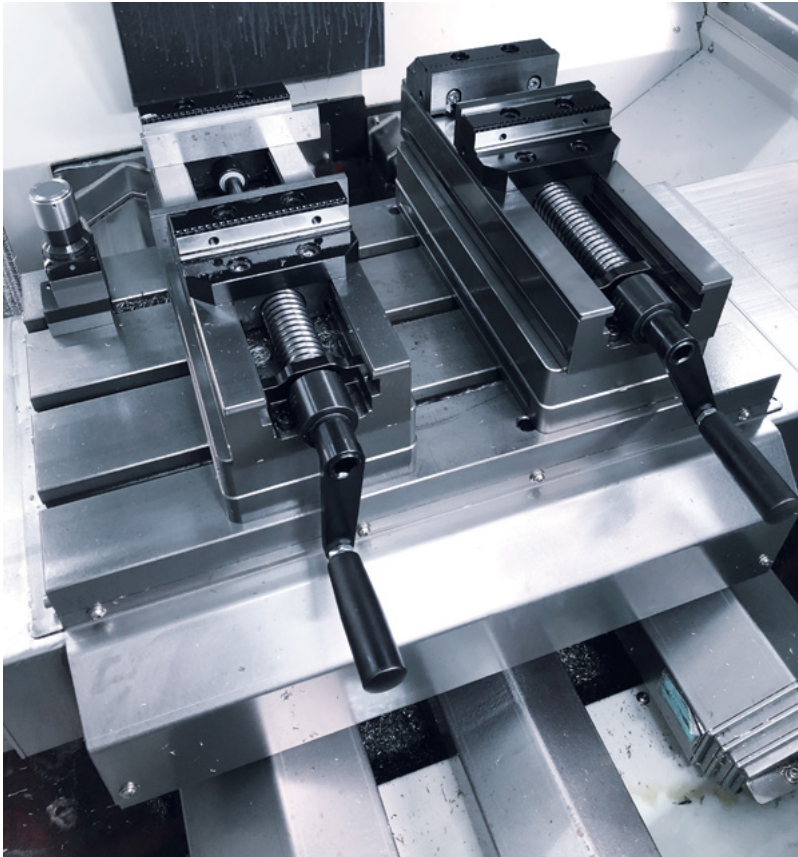
S2 125

Mit Pendelbackensystem zum Spannen von unförmigen Werkstücken
With swivel and adapter plate system to clamp bulky workpieces



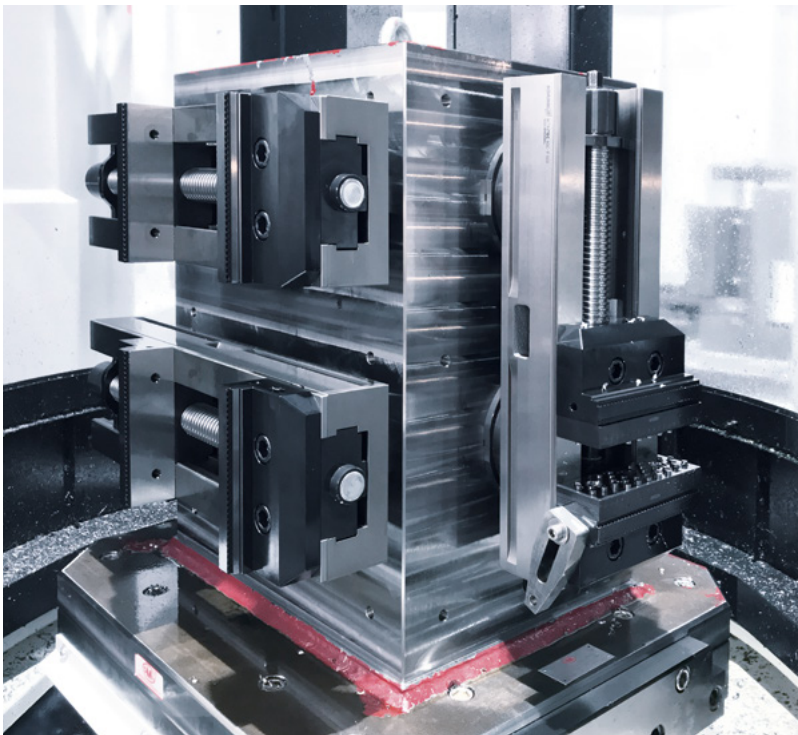
S2 160

3 Stück auf Maschinentisch zum Spannen von grossen Bauteilen
3 units on machine table to clamp large components



S2 125

2 Einfachspanner S2 125 montiert
auf einer Doppelkonsole
2 single vises S2 125 mounted
on a double console



S2 125

Mehrere S2 125 gespannt auf greloc
Modulen auf einem Spannturm
Several S2 125 clamped on greloc
moduls on a tombstone

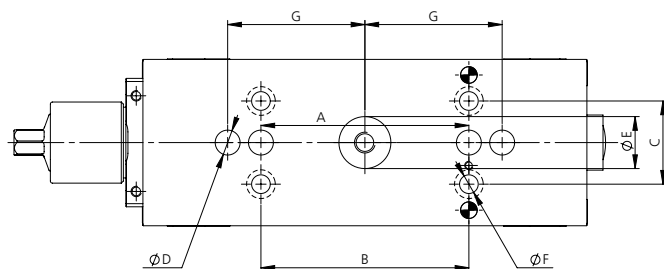


S2 125 + grepos-5X-S

Auf Paletten 400 × 400 in einer
Automationsanlage
On 400 × 400 pallets in an
automation system

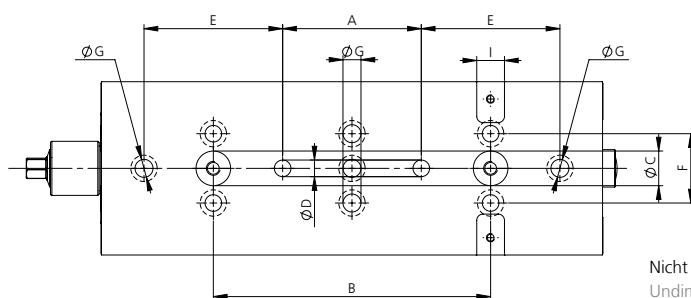
Standard Schnittstelle

Standard interface



Typ Type	$A_{\pm 0.015}$	B	C	$\varnothing D_{H7}$	$\varnothing E_{H6}$	$\varnothing F$	$G_{\pm 0.015}$
S2 80 L-214	100	100	40	12	25	9	66

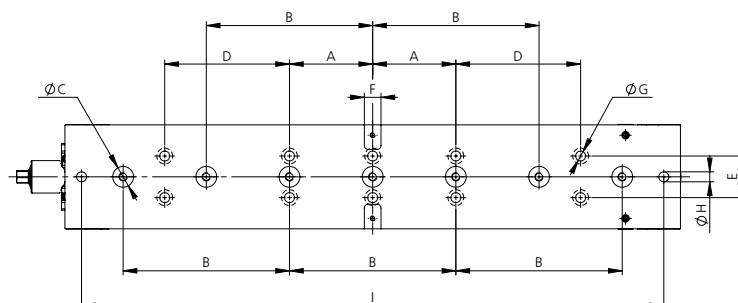
Masse (mm) Dimensions (mm)



Nicht vermasste Bohrungen $\varnothing H$ (4×)
Undimensioned bores $\varnothing H$ (4×)

Typ Type	$A_{\pm 0.015}$	$B_{\pm 0.015}$	$\varnothing C_{H6}$	$\varnothing D_{F7}$	E	$F_{\pm 0.02}$	$\varnothing G$	H_{F7}	I_{H7}
S2 125 L-362	100	200	25	12	100	50	13	12	20

Masse (mm) Dimensions (mm)

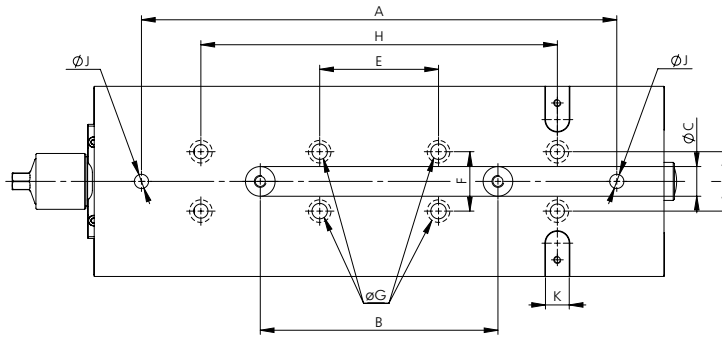


Typ Type	$A_{\pm 0.01}$	$B_{\pm 0.015}$	C_{H6}	$D_{\pm 0.015}$	$E_{\pm 0.02}$	F_{H7}	G_{G7}	H_{H7}	$I_{\pm 0.04}$
S2 125 L-740	100	200	25	150	50	20	$\varnothing 12$	$\varnothing 12$	700

Masse (mm) Dimensions (mm)

Standard Schnittstelle

Standard interface



Nicht vermasste Bohrungen ØD (4 x)
Undimensioned bores ØD (4 x)

Typ Type	A _{±0.015}	B _{±0.015}	ØC _{H6}	ØD _{F7}	E _{±0.1}	F _{±0.1}	ØG	H _{±0.015}	I _{±0.02}	ØJ _{H7}	K _{H7}
S2 160 L-480	400	200	25	12	100	50	13	300	50	12	20

Masse (mm) Dimensions (mm)

Technische Informationen

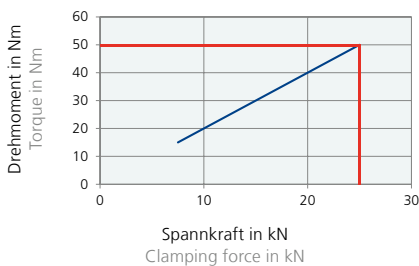
Technical information

1. Funktionsprinzip Einfachspanner S2 Functional principle single vise S2

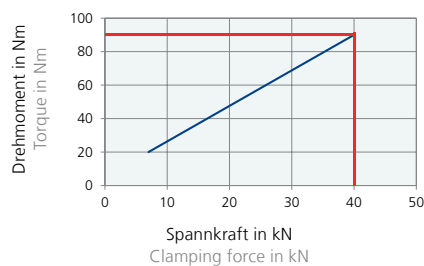


2. Spannkraften S2 Clamping forces S2

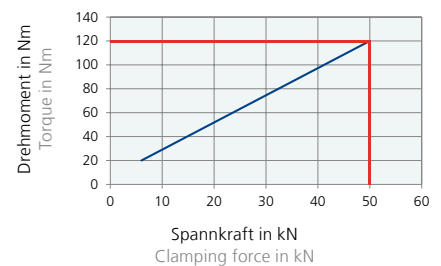
Anzugs-Drehmoment/Spannkraft S2 80
Clamping torque/clamping force S2 80



Anzugs-Drehmoment/Spannkraft S2 125
Clamping torque/clamping force S2 125



Anzugs-Drehmoment/Spannkraft S2 160
Clamping torque/clamping force S2 160



Baugröße Size	Max. Anzugs-Drehmoment Max. torque	Max. Spannkraft Max. clamping force
S2 80	50	25 kN
S2 125	90	40 kN
S2 160	120	50 kN

3. Aufspannen/Ausrichten Clamping/Alignment

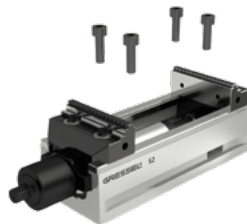
Die S2 bieten mehrere im Spanner integrierte Möglichkeiten der Befestigung auf dem Maschinentisch. Die Einfachspanner können zur Minimierung der Rüstzeit über die bereits vorbereitete gredoc Schnittstelle auf den gredoc Spannmodulen befestigt werden. Sie können aber auch direkt über Schrauben durch den Grundkörper aufgespannt werden. Alternativ können auch alle S2 Varianten mit Spannpratzen befestigt werden.

The S2 offers several options for mounting onto the machine table integrated in the vise itself. Single vises can be attached to prepared gredoc interfaces on gredoc clamping modules to minimise the setup time. However, they can also be clamped directly through the base body using screws. Alternatively all S2 variants can be attached using clamping claws.

S2 80



Befestigung mit Nullpunkt-Spannsystem
(1 Aufnahmebolzen + Verdrehsicherung)
Mounting with zero point clamping system
(1 alignment bolt + turn prevention lock)



Befestigung mit M8 Schrauben durch
den Grundkörper
Attached using M8 screws through
the base body



Befestigung mit 4 Spannpratzen
Attached using 4 clamping claws

S2 125/S2 160



Befestigung mit Nullpunkt-Spannsystem
(2 Aufnahmebolzen Stichmass 200)
Mounting with zero point clamping system
(2 alignment bolts 200 centre distance)



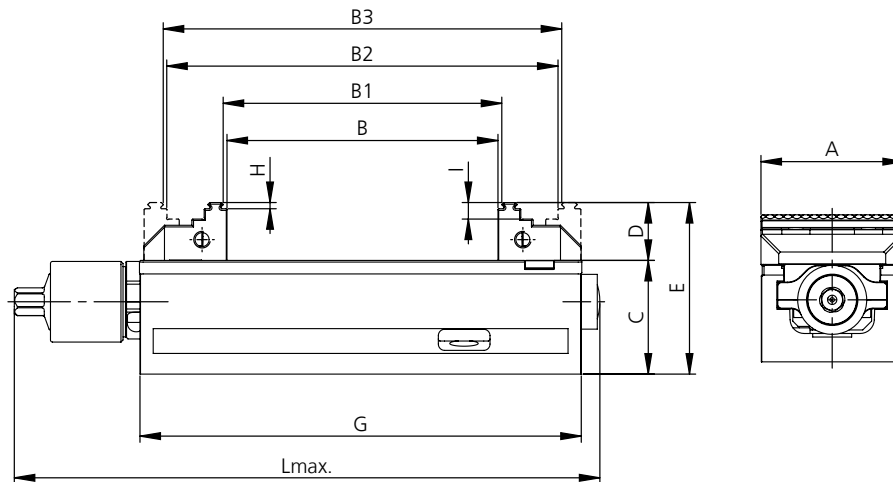
Befestigung mit M12 Schrauben und
Passschrauben durch den Grundkörper
Attachment with M12 screws through
the base body



Befestigung mit 4 Spannpratzen
Attached using 4 clamping claws

S2 80

mit Wendebacken grip
with reversible grip jaw



Typ Type	A	B	B1	B2	B3	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 80 L-214	80	0–130	4–134	5–188	63–192	55	28	83	214	3	8	284

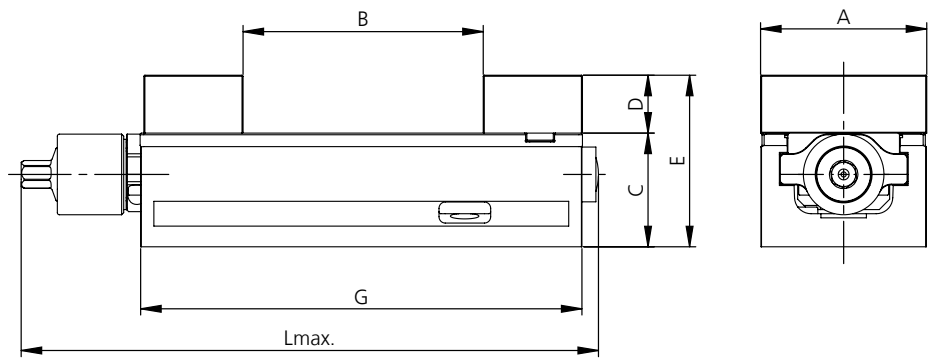
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 80 L-214	Einfachspanner Single vise	80	max. 25	5.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.080.202.01
Systembacke System jaw	Wendebacke grip fest H=28 (pro Spanner 1 Stk.) Reversible grip jaw fixed H=28 (per vise, 1 pc.)	80		0.5	Wendebacke grip fest H=28 inkl. Schrauben Reversible grip jaw fixed H=28 incl. screws	SGA.080.201.01
Systembacke System jaw	Wendebacke grip beweglich H=28 (pro Spanner 1 Stk.) Reversible grip jaw moveable H=28 (per vise, 1 pc.)	80		0.5	Wendebacke grip beweglich H=28 inkl. Schrauben Reversible grip jaw moveable H=28 incl. screws	CGA.080.001.01

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.

S2 80

mit Blockbacken
with block jaws



Typ	Type	A	B	C _{±0.01}	D	E	G	L _{max.}
S2 80	L-214	80	0 – 130	55	28	83	214	308

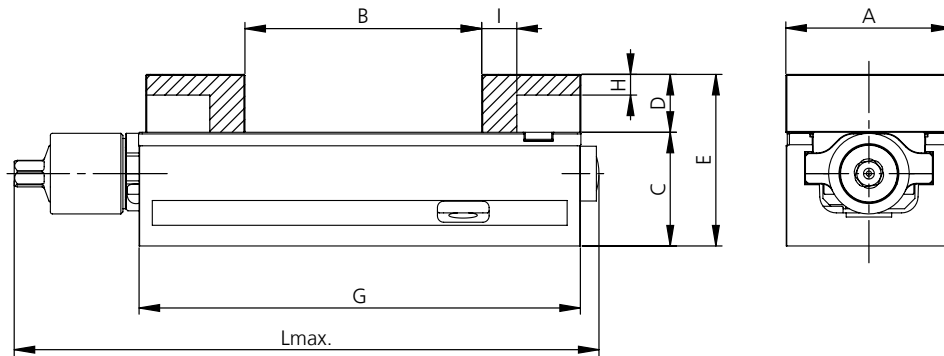
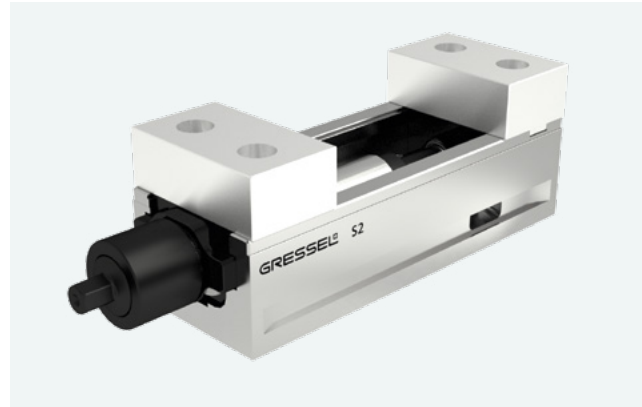
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 80 L-214	Einfachspanner Single vise	80	max. 25	5.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.080.202.01
Systembacke System jaw	Blockbacke beweglich H=28 (pro Spanner 1 Stk.) Block jaw moveable H=28 (per vise, 1 pc.)	80		0.7	Blockbacke beweglich H=28 inkl. Schrauben Block jaw moveable H=28 incl. screws	SGA.080.203.01
Systembacke System jaw	Blockbacke fest H=28 (pro Spanner 1 Stk.) Block jaw fixed H=28 (per vise, 1 pc.)	80		0.7	Blockbacke fest H=28 inkl. Schrauben Block jaw fixed H=28 incl. screws	SGA.080.202.01

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.

S2 80

mit Aluminium Aufsatzbacken
with aluminium top jaws



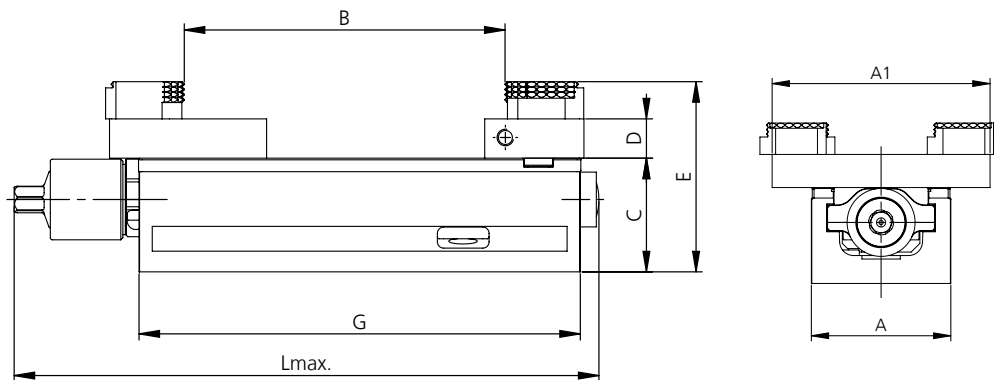
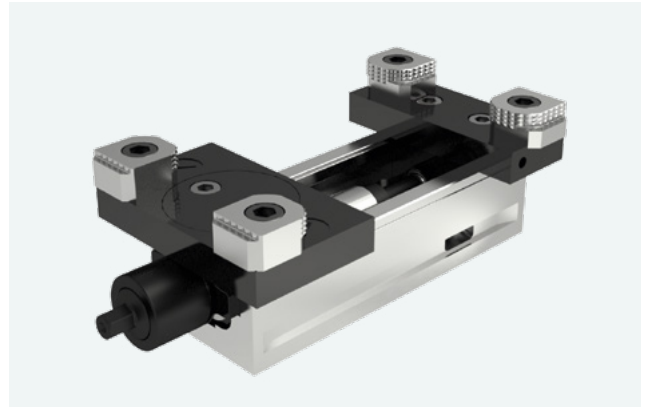
Typ Type	A	B	C _{±0.01}	D	E	G	H	I	L _{max.}	
S2 80 L-214	80	0–115	55	28	83	214	10	17	284	Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 80 L-214	Einfachspanner Single vise	80	max. 25	5.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.080.202.01
Systembacke System jaw	Aluminium Aufsatzbacke fest (pro Spanner 1 Stk.) Aluminium top jaw fixed (per vise, 1 pc.)	80		0.3	Aluminium Aufsatzbacke fest inkl. Schrauben Aluminium top jaw fixed incl. screws	SGA.080.205.01
Systembacke System jaw	Aluminium Aufsatzbacke beweglich (pro Spanner 1 Stk.) Aluminium top jaw moveable (per vise, 1 pc.)	80		0.3	Aluminium Aufsatzbacke beweglich inkl. Schrauben Aluminium top jaw moveable incl. screws	CGA.080.005.01

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.

S2 80

mit Pendel- und Adapterplatte
with swivel and adapter plate



Typ	Type	A	A1	B	C _{±0.01}	D	E	G	L _{max.}
S2 80 L-214		80	125	5–155	55	19	92	214	284

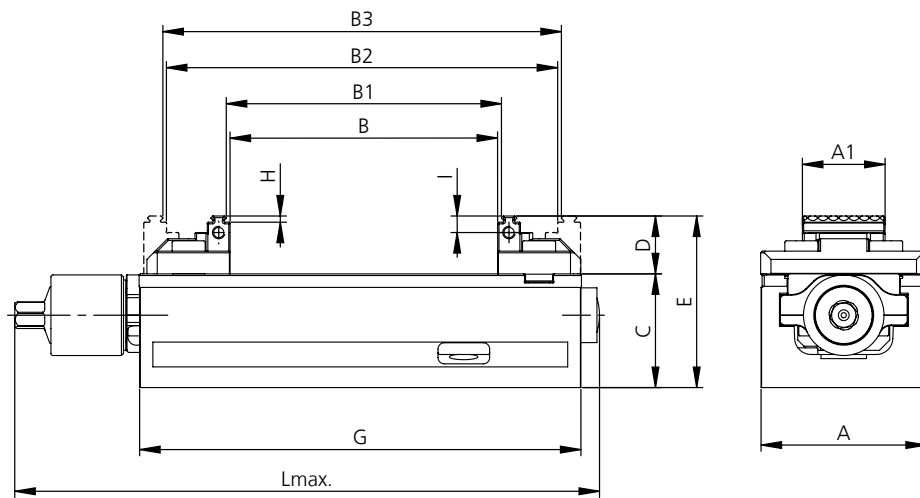
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 80 L-214	Einfachspanner Single vise	80	max. 25	5.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.080.202.01
Systembacke System jaw	Pendelplatte (pro Spanner 1 Stk.) Swivel plate (per vise, 1 pc.)	125		1.3	Pendelplatte inkl. Schrauben Swivel plate incl. screws	CGA.080.007.01
Systembacke System jaw	Adapterplatte (pro Spanner 1 Stk.) Adapter plate (per vise, 1 pc.)	125		0.8	Adapterplatte inkl. Schrauben Adapter plate incl. screws	SGA.080.206.01
Zubehör Accessories	6-fach Wendebacke (pro Spanner 4 Stk.) 6-fold reversible jaw (per vise, 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 vise, 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.

S2 80

mit Wendebacke grip Breite 40
with reversible grip jaw width 40



Typ Type	A	A1	B	B1	B2	B3	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 80 L-214	80	40	0–130	4–134	59–188	63–192	55	28	83	214	3	8	284

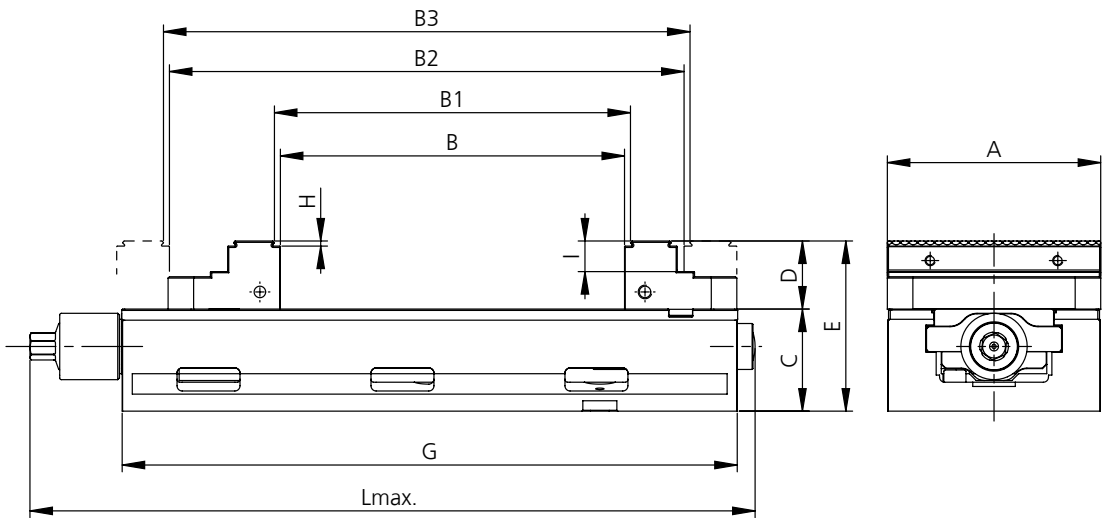
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 80 L-214	Einfachspanner Single vise	80	max. 25	5.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.080.202.01
Systembacke System jaw	Wendebacke grip Breite 40 fest (pro Spanner 1 Stk.) Reversible grip jaw width 40 fixed (per vise, 1 pc.)	40	max. 15	0.4	Wendebacke grip Breite 40 fest inkl. Schrauben Reversible grip jaw width 40 fixed incl. screws	SGA.080.212.01
Systembacke System jaw	Wendebacke grip Breite 40 beweglich (pro Spanner 1 Stk.) Reversible grip jaw width 40 moveable (per vise, 1 pc.)	40	max. 15	0.4	Wendebacke grip Breite 40 beweglich inkl. Schrauben Reversible grip jaw width 40 moveable incl. screws	CGA.080.012.01

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.

S2 125

mit Wendebacke grip
with reversible grip jaw



Typ	Type	A	B	B1	B2	B3	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 125	L-362	125	0–231	8–238	71–301	78–308	60	40	100	362	3	18	433

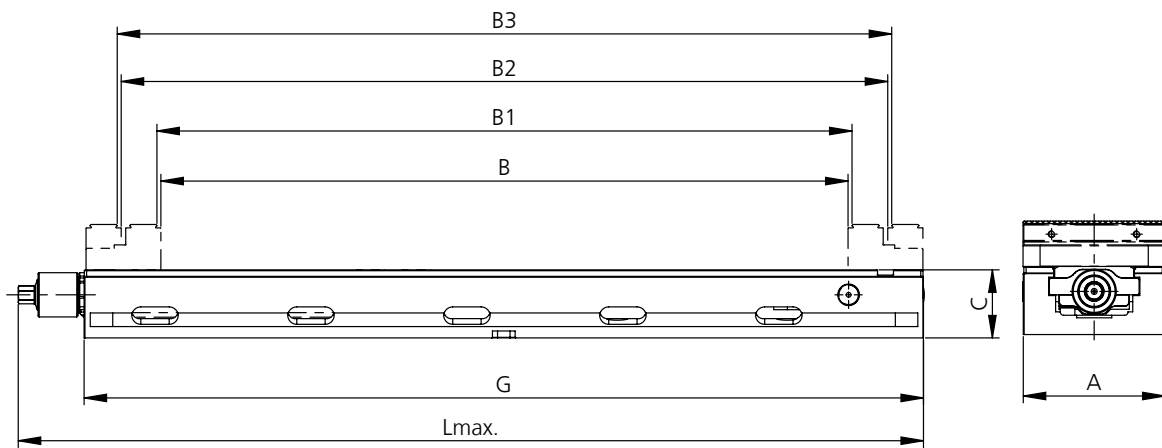
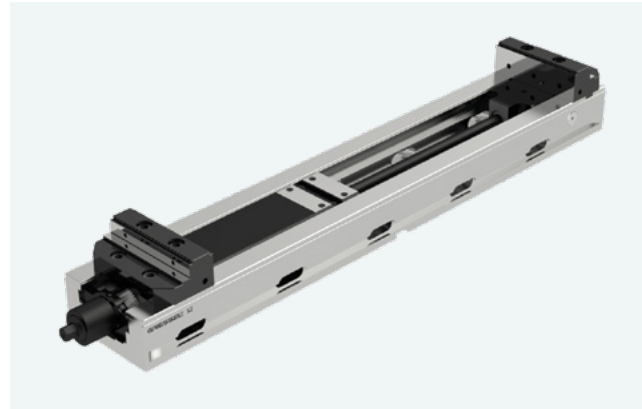
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 125 L-362	Einfachspanner Single vise	125	max. 40	15.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.202.01
Systembacke System jaw	Wendebacke grip fest (pro Spanner 1 Stk.) Reversible grip jaw fixed (per vise, 1 pc.)	125		1.8	Wendebacke grip fest inkl. Schrauben Reversible grip jaw fixed incl. screws	SGA.125.201.01
Systembacke System jaw	Wendebacke grip beweglich (pro Spanner 1 Stk.) Reversible grip jaw moveable (per vise, 1 pc.)	125		1.8	Wendebacke grip beweglich inkl. Schrauben Reversible grip jaw moveable incl. screws	SGA.125.101.01

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.

S2 125 XL

mit Wendebacke grip
with reversible grip jaw



Typ Type	A	B	B1	B2	B3	C _{±0.01}	G	L _{max.}
S2 125 L-740	125	66–605	74–612	137–675	144–682	60	740	798

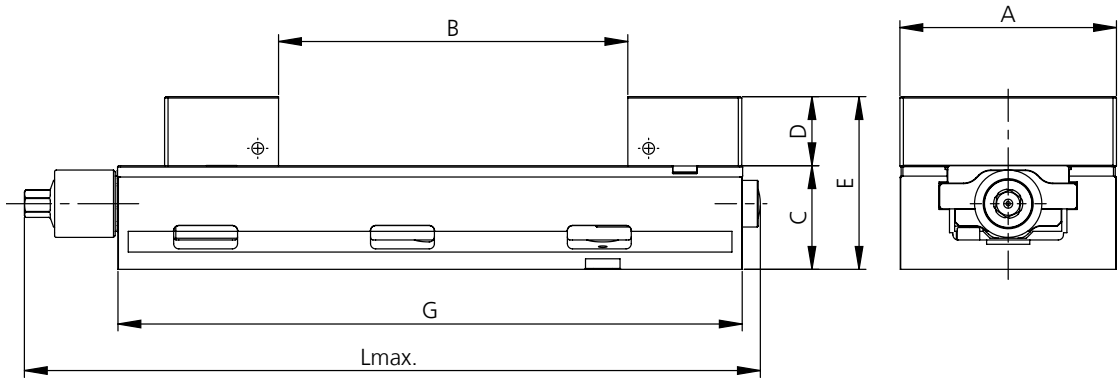
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 125 L-740	Einfachspanner Single vise	125	max. 40	30.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.222.01
Systembacke System jaw	Wendebacke grip fest (pro Spanner 1 Stk.) Reversible grip jaw fixed (per vise, 1 pc.)	125		1.8	Wendebacke grip fest inkl. Schrauben Reversible grip jaw fixed incl. screws	SGA.125.201.01
Systembacke System jaw	Wendebacke grip beweglich (pro Spanner 1 Stk.) Reversible grip jaw moveable (per vise, 1 pc.)	125		1.8	Wendebacke grip beweglich inkl. Schrauben Reversible grip jaw moveable incl. screws	SGA.125.101.01

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.

S2 125

mit Blockbacken
with block jaws



Typ	Type	A	B	C _{±0.01}	D	E	G	L _{max.}
S2 125 L-362		125	0–231	60	40	100	362	432
S2 125 L-740		125	67–605	60	40	100	740	798

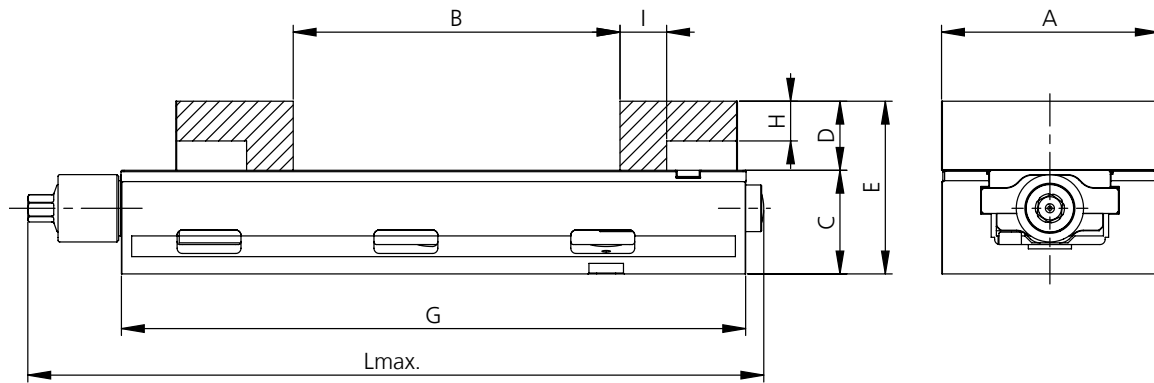
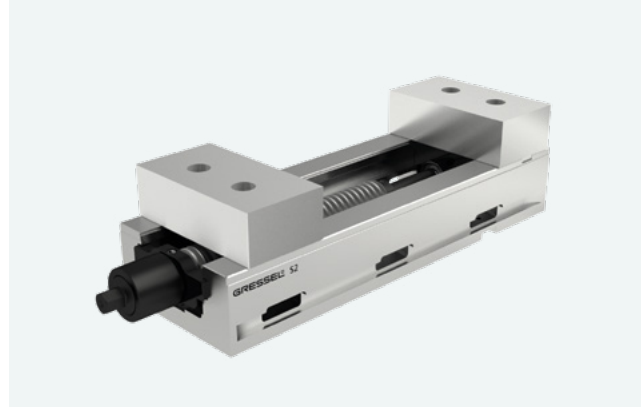
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 125 L-362	Einfachspanner Single vise	125	max. 40	15.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.202.01
S2 125 L-740	Einfachspanner Single vise	125	max. 40	30.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.222.01
Systembacke System jaw	Blockbacke beweglich H=40 (pro Spanner 1 Stk.) Block jaw moveable H=40 (per vise, 1 pc.)	125		2.6	Blockbacke beweglich H=40 inkl. Schrauben Block jaw moveable H=40 incl. screws	SGA.125.203.01
Systembacke System jaw	Blockbacke fest H=40 (pro Spanner 1 Stk.) Block jaw fixed H=40 (per vise, 1 pc.)	125		2.6	Blockbacke fest H=40 inkl. Schrauben Block jaw fixed H=40 incl. screws	SGA.125.202.01

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.

S2 125

mit Aluminium Aufsatzbacken
with aluminium top jaws



Typ Type	A	B	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 125 L-362	125	0–219	60	40	100	362	23	27	432
S2 125 L-740	125	54–592	60	40	100	740	23	27	798

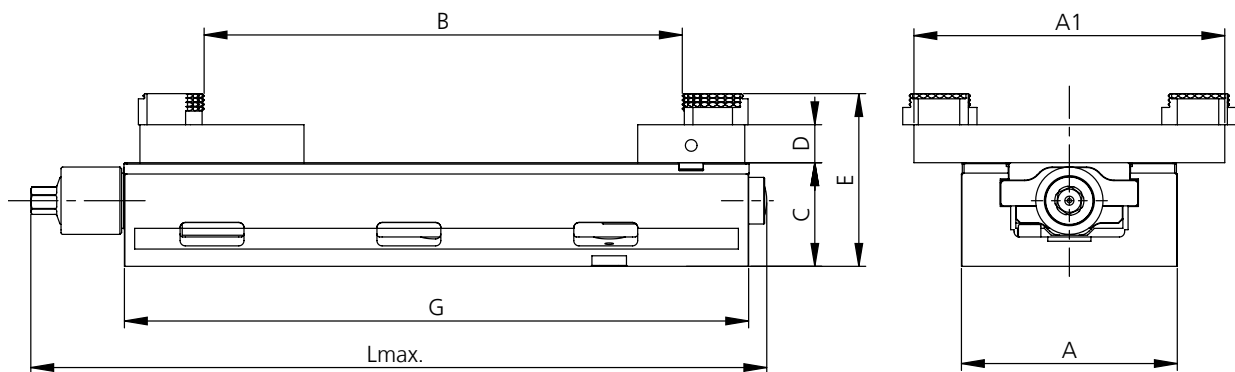
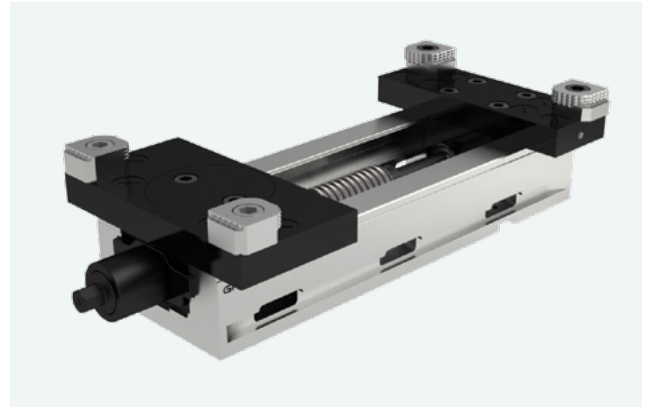
Masse (mm) Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 125 L-362	Einfachspanner Single vise	125	max. 40	15.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.202.01
S2 125 L-740	Einfachspanner Single vise	125	max. 40	30.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.222.01
Systembacke System jaw	Aluminium Aufsatzbacke fest (pro Spanner 1 Stk.) Aluminium top jaw fixed (per vise, 1 pc.)	125		1.0	Aluminium Aufsatzbacke fest inkl. Schrauben Aluminium top jaw fixed incl. screws	SGA.125.205.01
Systembacke System jaw	Aluminium Aufsatzbacke beweglich (pro Spanner 1 Stk.) Aluminium top jaw moveable (per vise, 1 pc.)	125		1.0	Aluminium Aufsatzbacken beweglich inkl. Schrauben Aluminium top jaws moveable incl. screws	CGA.125.005.01

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.

S2 125

mit Pendel- und Adapterplatte
with swivel and adapter plate



Typ	Type	A	A1	B	C _{±0.01}	D	E	G	L _{max.}
S2 125 L-362		125	180	4–306	60	22	100	362	432
S2 125 L-740		125	180	54–679	60	22	100	740	798

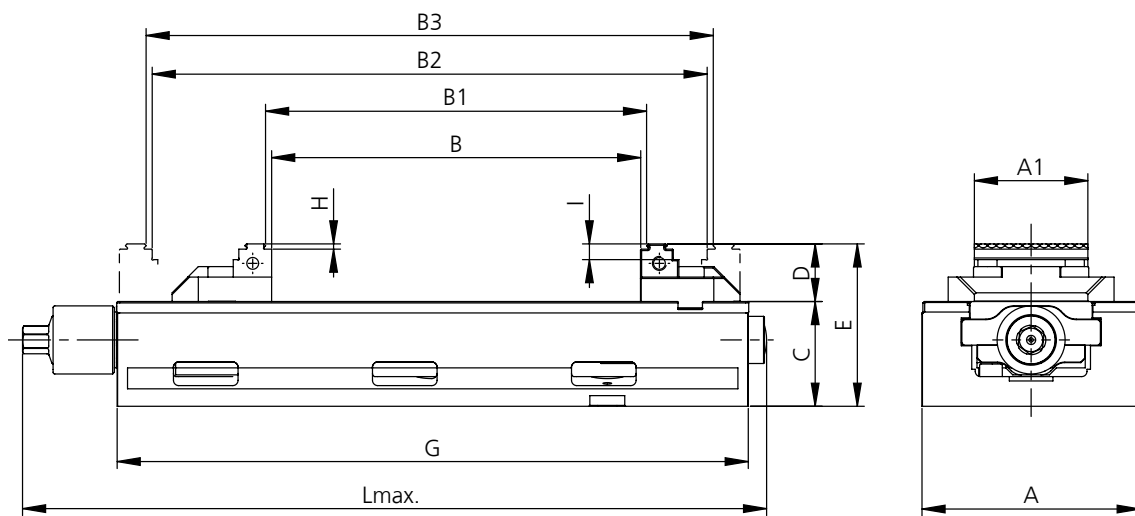
Masse (mm) Dimensions (mm)

Typ	Beschreibung	Backenbreite	Spannkraft	Gewicht	Lieferumfang	Bestell-Nr.
Type	Description	Jaw width	Clamp. force	Weight	Delivery details	Order No.
		mm	kN	kg		
S2 125 L-362	Einfachspanner Single vise	125	max. 40	15.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.202.01
S2 125 L-740	Einfachspanner Single vise	125	max. 40	30.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.222.01
Systembacke System jaw	Pendelplatte (pro Spanner 1 Stk.) Swivel plate (per vise, 1 pc.)	180		2.8	Pendelplatte inkl. Schrauben Swivel plate incl. screws	CGA.125.007.01
Systembacke System jaw	Adapterplatte (pro Spanner 1 Stk.) Adapter plate (per vise, 1 pc.)	180		2.0	Adapterplatte inkl. Schrauben Adapter plate incl. screws	SGA.125.206.01
Zubehör Accessories	6-fach Wendebacke (pro Spanner 4 Stk.) 6-fold reversible jaw (per vise, 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 vise, 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.

S2 125

mit Wendebacke grip Breite 65
with reversible grip jaw width 65



Typ	Type	A	A1	B	B1	B2	B3	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 125 L-362		125	65	0–240	8–247	77–317	84–324	60	33	93	362	3	9	432
S2 125 L-740		125	65	76–614	83–621	153–690	160–697	60	33	93	740	3	9	798

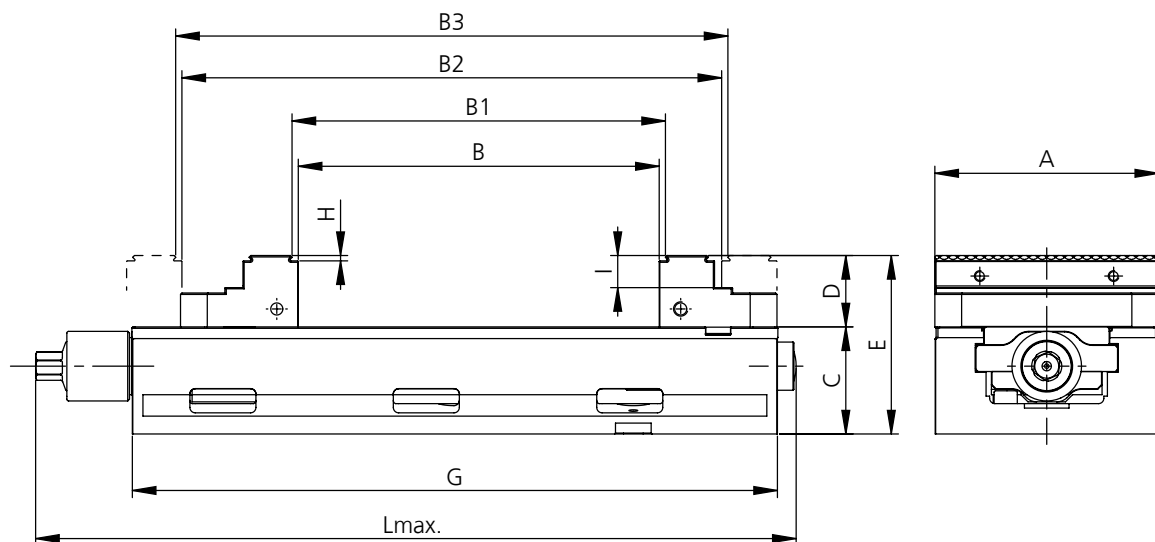
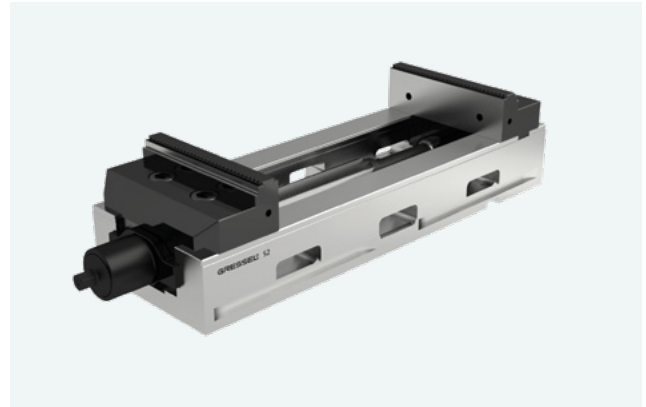
Masse (mm)
Dimensions (mm)

Typ	Beschreibung	Backenbreite	Spannkraft	Gewicht	Lieferumfang	Bestell-Nr.
Type	Description	Jaw width mm	Clamp. force kN	Weight kg	Delivery details	Order No.
S2 125 L-362	Einfachspanner Single vise	125	max. 40	15.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.202.01
S2 125 L-740	Einfachspanner Single vise	125	max. 40	30.0	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.125.222.01
Systembacke System jaw	Wendebacke grip Breite 65 fest (pro Spanner 1 Stk.) Reversible grip jaw width 65 fixed (per vise, 1 pc.)	65	max. 25	0.9	Wendebacke grip Breite 65 fest inkl. Schrauben Reversible grip jaw width 65 fixed incl. screws	SGA.125.212.01
Systembacke System jaw	Wendebacke grip Breite 65 beweglich (pro Spanner 1 Stk.) Reversible grip jaw width 65 moveable (per vise, 1 pc.)	65	max. 25	0.9	Wendebacke grip Breite 65 beweglich inkl. Schrauben Reversible grip jaw width 65 moveable incl. screws	CGA.125.012.01

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.

S2 160

mit Wendebacken grip
with reversible grip jaws



Typ Type	A	B	B1	B2	B3	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 160 L-480	160	0-310	8-317	117-427	125-434	70	50	120	480	3	10	559

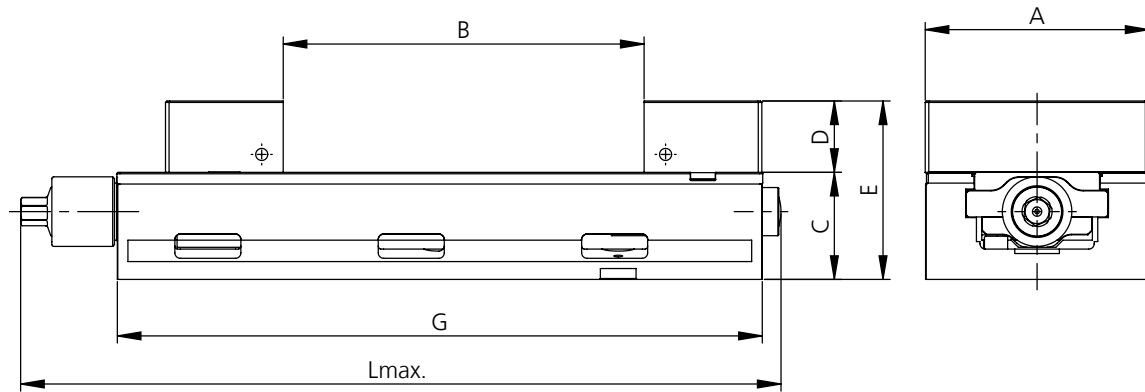
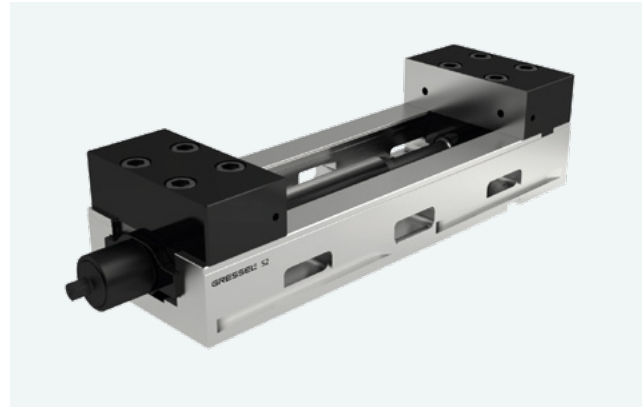
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 160 L-480	Einfachspanner Single vise	160	max. 50	28.5	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.160.202.01
Systembacke System jaw	Wendebacke grip fest (pro Spanner 1 Stk.) Reversible grip jaw fixed (per vise, 1 pc.)	160		3.2	Wendebacke grip fest inkl. Schrauben Reversible grip jaw fixed incl. screws	SGA.160.201.01
Systembacke System jaw	Wendebacke grip beweglich (pro Spanner 1 Stk.) Reversible grip jaw moveable (per vise, 1 pc.)	160		3.2	Wendebacke grip beweglich inkl. Schrauben Reversible grip jaw moveable incl. screws	CGA.160.001.01

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.

S2 160

mit Blockbacken
with block jaws



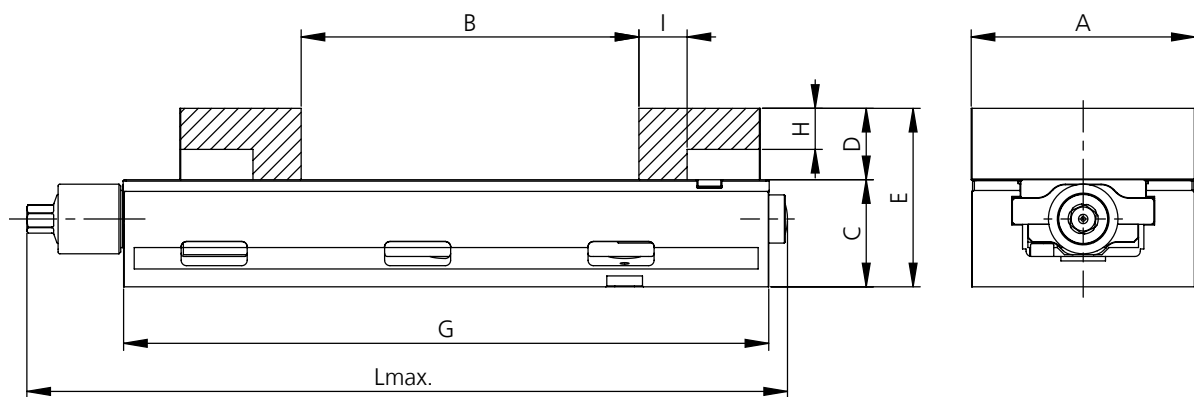
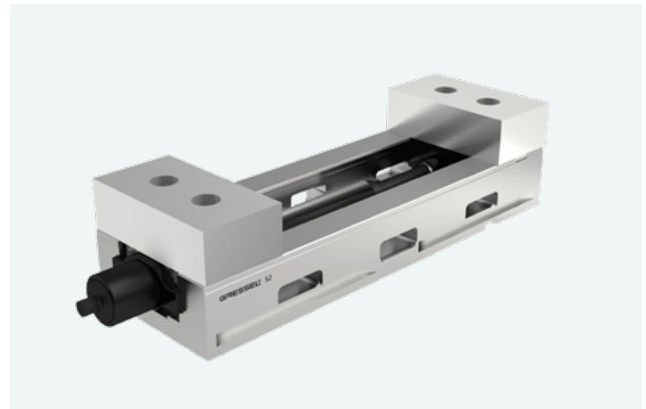
Typ	Type	A	B	C _{±0.01}	D	E	G	H	I	L _{max.}	Masse (mm) Dimensions (mm)
S2 160	L-480	160	0–312	70	50	120	480	23	30	559	

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 160 L-480	Einfachspanner Single vise	160	max. 50	28.5	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.160.202.01
Systembacke System jaw	Blockbacke beweglich H=50 (pro Spanner 1 Stk.) Block jaw moveable H=50 (per vise, 1 pc.)	160		4.8	Blockbacke beweglich H=50 inkl. Schrauben Block jaw moveable H=50 incl. screws	SGA.160.203.01
Systembacke System jaw	Blockbacke fest H=50 (pro Spanner 1 Stk.) Block jaw fixed H=50 (per vise, 1 pc.)	160		4.8	Blockbacke fest H=50 inkl. Schrauben Block jaw fixed H=50 incl. screws	SGA.160.202.01

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.

S2 160

mit Aluminium Aufsatzbacken
with aluminium top jaws



Typ Type	A	B	C _{±0.01}	D	E	G	H	I	L _{max.}
S2 160 L-480	160	0–309	70	50	120	480	23	30	559

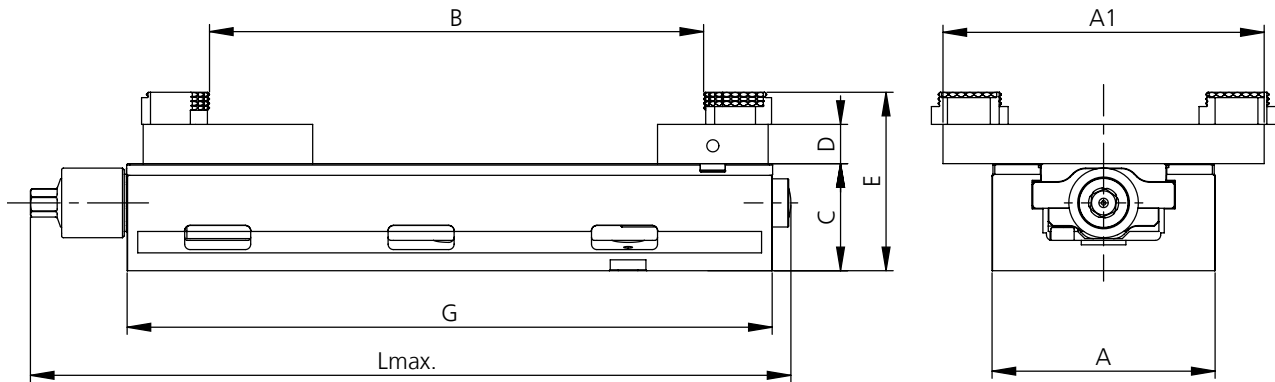
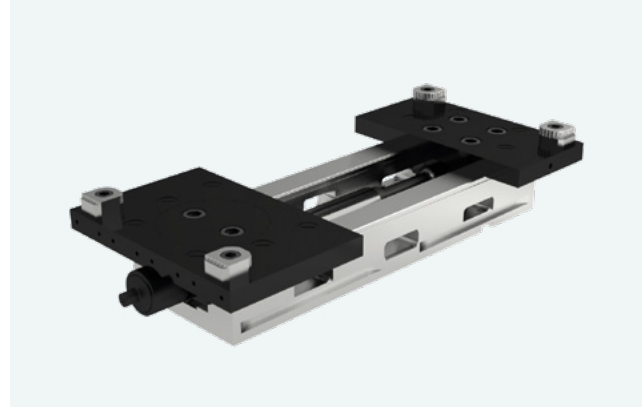
Masse (mm)
Dimensions (mm)

Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 160 L-480	Einfachspanner Single vise	160	max. 50	28.5	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.160.202.01
Systembacke System jaw	Aluminium Aufsatzbacke fest (pro Spanner 1 Stk.) Aluminium top jaw fixed (per vise, 1 pc.)	160		1.8	Aluminium Aufsatzbacke fest inkl. Schrauben Aluminium top jaw fixed incl. screws	SGA.160.205.01
Systembacke System jaw	Aluminium Aufsatzbacke beweglich (pro Spanner 1 Stk.) Aluminium top jaw moveable (per vise, 1 pc.)	160		1.8	Aluminium Aufsatzbacke beweglich inkl. Schrauben Aluminium top jaw moveable incl. screws	CGA.160.005.01

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.

S2 160

mit Pendel- und Adapterplatte
with swivel and adapter plate



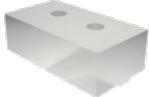
Typ	Type	A	A1	B	C _{±0.01}	D	E	G	L _{max.}
S2 160 L-480		160	256	11–463	70	22	110	480	559

Masse (mm)
Dimensions (mm)

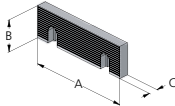
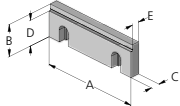
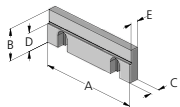
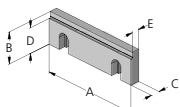
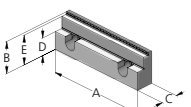
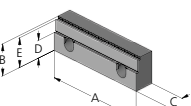
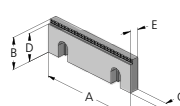
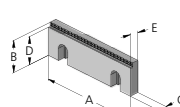
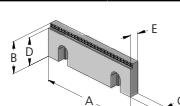
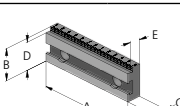
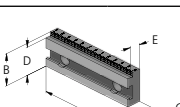
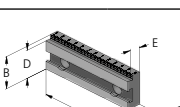
Typ Type	Beschreibung Description	Backenbreite Jaw width mm	Spannkraft Clamp. force kN	Gewicht Weight kg	Lieferumfang Delivery details	Bestell-Nr. Order No.
S2 160 L-480	Einfachspanner Single vise	160	max. 50	28.5	Einfachspanner ohne Systembacken Single vise without system jaws	SGM.160.202.01
Systembacke System jaw	Pendelplatte (pro Spanner 1 Stk.) Swivel plate (per vise, 1 pc.)	256		7.2	Pendelplatte inkl. Schrauben Swivel plate incl. screws	CGA.160.007.01
Systembacke System jaw	Adapterplatte (pro Spanner 1 Stk.) Adapter plate (per vise, 1 pc.)	256		5.3	Adapterplatte inkl. Schrauben Adapter plate incl. screws	SGA.160.206.01
Zubehör Accessories	6-fach Wendebacke (pro Spanner 4 Stk.) 6-fold reversible jaw (per vise, 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 vise, 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.

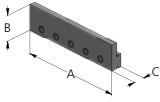
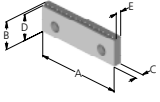
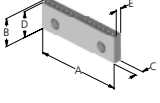
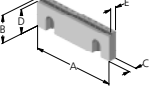
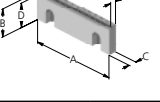
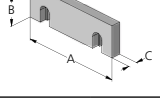
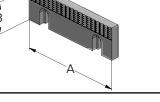
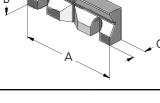
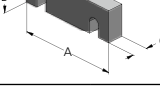
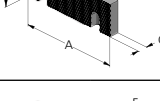
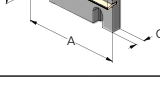
S2 Systembacken System jaws

	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	Wendebacke grip fest inkl. Schrauben (1 Stk.) Reversible grip jaw fixed incl. screws (1 pc.)	S2 80	SGA.080.201.01
		S2 125	SGA.125.201.01
		S2 160	SGA.160.201.01
	Wendebacke grip beweglich inkl. Schrauben (1 Stk.) Reversible grip jaw moveable incl. screws (1 pc.)	S2 80/C2 80/D2 80	CGA.080.001.01
		S2 125/D2 125	SGA.125.101.01
		S2 160/C2 160	CGA.160.001.01
	Blockbacke fest inkl. Schrauben (1 Stk.) Block jaw fix incl. screws (1 pc.)	S2 80	SGA.080.202.01
		S2 125	SGA.125.202.01
		S2 160	SGA.160.202.01
	Blockbacke beweglich inkl. Schrauben (1 Stk.) Block jaw moveable incl. screws (1 pc.)	S2 80/C2 80/D2 80	SGA.080.203.01
		S2 125/D2 125	SGA.125.203.01
		S2 160/C2 160	SGA.160.203.01
	Aluminium Aufsatzbacke fest inkl. Schrauben (1 Stk.) Aluminium top jaw fixed incl. screws (1 pc.)	S2 80	SGA.080.205.01
		S2 125	SGA.125.205.01
		S2 160	SGA.160.205.01
	Aluminium Aufsatzbacke beweglich inkl. Schrauben (1 Stk.) Aluminium top jaw moveable incl. screws (1 pc.)	S2 80/C2 80/D2 80	CGA.080.005.01
		S2 125/C2 125/D2 125	CGA.125.005.01
		S2 160/C2 160	CGA.160.005.01
	Pendelplatte inkl. Schrauben (1 Stk.) Swivel plate incl. screws (1 pc.)	S2 80/C2 80/D2 80	CGA.080.007.01
		S2 125/C2 125/D2 125	CGA.125.007.01
		S2 160/C2 160	CGA.160.007.01
	Adapterplatte inkl. Schrauben (1 Stk.) Adapter plate incl. screws (1 pc.)	S2 80	SGA.080.206.01
		S2 125	SGA.125.206.01
		S2 160	SGA.160.206.01
	Wendebacke grip Breite 40 fest inkl. Schrauben (1 Stk.) Reversible grip jaw width 40 fixed incl. screws (1 pc.)	S2 80	SGA.080.212.01
	Wendebacke grip Breite 40 beweglich inkl. Schrauben (1 Stk.) Reversible grip jaw width 40 moveable incl. screws (1 pc.)	S2 80/C2 80	CGA.080.012.01
	Wendebacke grip Breite 65 fest inkl. Schrauben (1 Stk.) Reversible grip jaw width 65 fixed incl. screws (1 pc.)	S2 125	SGA.125.212.01
	Wendebacke grip Breite 65 beweglich inkl. Schrauben (1 Stk.) Reversible grip jaw width 65 moveable incl. screws (1 pc.)	S2 125/C2 125	CGA.125.012.01

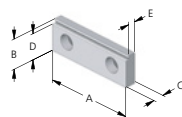
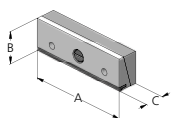
S2 Aufsatzbacken Top jaws

	Bezeichnung Designation	Masse (mm) Dimensions (mm)					Passend zu Typ Suitable for type			Bestell-Nr. Order No.
		A	B	C	D	E	S2 80	S2 125	S2 160	
	Standardbacke Oberfläche profiliert inkl. Schrauben (1 Stk.) Standard jaw Profiled surface incl. screws (1 pc.)	125	40	11.5				X		MHS.125.545.01
		160	50	13.5					X	MHS.160.545.01
	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
		160	50	13.5	42	10.5			X	MHS.160.190.11
	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
		160	50	13.5	45	10.5			X	MSA.160.189.11
	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 jaw grip 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
		160	50	13.5	47	11			X	MHS.160.172.12
	Stufenbacke grip 5 mm inkl. Schrauben (1 Stk.) Stepped jaw grip 5 mm incl. screws (1 pc.)	125	40	11.5	35	9		X		MHS.125.171.01
		160	50	13.5	45	11			X	MHS.160.171.01
	Stufenbacke grip 8 mm inkl. Schrauben (1 Stk.) Stepped jaw grip 8 mm incl. screws (1 pc.)	125	40	11.5	32	9		X		MHS.125.170.12
		160	50	13.5	42	11			X	MHS.160.170.12
	Stufenbacke grip 3 mm mit T-Nut inkl. Schrauben (1 Stk.) Stepped jaw grip 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 jaw grip 5 mm with t-slot incl. screws (1 pc.)	125	40	17.5	35	11.5		X		MSA.125.151.11
		160	50	20	45	13.5			X	MSA.160.151.11
	Stufenbacke grip 8 mm mit T-Nut inkl. Schrauben (1 Stk.) Stepped jaw grip 8 mm with t-slot incl. screws (1 pc.)	125	40	17.5	32	11.5		X		MSA.125.150.11
		160	50	20	42	13.5			X	MSA.160.150.11

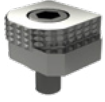
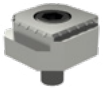
S2 Aufsatzbacken Top jaws

	Bezeichnung Designation	Masse (mm) Dimensions (mm)					Passend zu Typ Suitable for type			Bestell-Nr. Order No.
		A	B	C	D	E	S2 80	S2 125	S2 160	
	Positionierleiste (1 Stk.) für Stufenbacke grip mit T-Nut inkl. 2 Gewindestifte M8 Positioning strip (1 pc.) for Stepped jaw grip with t-slot incl. 2 threads pins M8	125	32	13.5				X		MSA.125.155.01
		160	32	13.5					X	MSA.160.155.01
	Stufenbacke carbide-grip 3 mm (1 Stk.) Stepped carbide-grip jaw 3 mm (1 pc.)	125	40	11.5	37	8.5		X		MSA.125.160.01
		160	50	13.5	47	10.5			X	MSA.160.160.01
	Stufenbacke carbide-grip 5 mm (1 Stk.) Stepped carbide-grip jaw 5 mm (1 pc.)	125	40	11.5	35	8.5		X		MSA.125.161.01
		160	50	15.5	45	10.5			X	MSA.160.161.01
	Stufenbacke grip 5 mm für Aluminium und Kunststoff (1 Stk.) Stepped jaw grip 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
		160	50	13.5					X	MHS.160.198.11
	Backe grip inkl. Schrauben (1 Stk.) Grip jaw incl. screws (1 pc.)	125	40	11.5				X		MHS.125.193.11
		160	50	13.5					X	MHS.160.193.11
	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
		160	50	19.5					X	MHS.160.191.11
	Backe weich (Stahl) inkl. Schrauben (1 Stk.) Soft jaw (steel) incl. screws (1 pc.)	125	40	20				X		MHS.125.192.11
		160	50	20					X	MHS.160.192.11
	Backe gehauen inkl. Schrauben (1 Stk.) Serrated jaw incl. screws (1 pc.)	125	40	12.2				X		MHS.125.199.11
		160	50	14.2					X	MHS.160.199.11
	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
		160	50	13.5					X	MHS.160.196.01

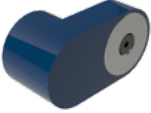
S2



S2 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.)	S2 80	GPA.000.041.01
		S2 125	GPA.000.041.01
		S2 160	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.)	S2 80	GPA.000.046.01
		S2 125	GPA.000.046.01
		S2 160	GPA.000.046.01
	Werkstückanschlag für M8/M10 Workpiece stop for M8/M10	S2 80	MSA.000.275.01
		S2 125	MSA.000.275.01
		S2 160	MSA.000.275.01
	Werkstückanschlag für M8 Workpiece stop for M8	S2 80	FSA.000.010.01
		S2 125	FSA.000.010.01
		S2 160	FSA.000.010.01
	Werkstückanschlag für M6 für Wendebacke grip Breite 40 für Wendebacke grip Breite 65 Workpiece stop for M6 for reversible grip jaw width 40 for reversible grip jaw width 65	S2 80	CGA.040.006.01
		S2 125	CGA.040.006.01
	Werkstückunterlage für S2 80, Höhe ... (Satz à 2 Stk.) Workpiece supports for S2 80, height ... (set of 2 pcs.)	15 mm	SGA.080.315.01
		20 mm	DGA.080.420.01
	Werkstückunterlage für S2 125, Höhe ... (Satz à 2 Stk.) Workpiece supports for S2 125, height ... (set of 2 pcs.)	11 mm	SGA.125.311.01
		25 mm	SGA.125.325.01
		32.5 mm	SGA.125.332.01
	Werkstückunterlage für S2 160, Höhe ... (Satz à 2 Stk.) Workpiece supports for S2 160, height ... (set of 2 pcs.)	26 mm	SGA.160.326.01
		39 mm	SGA.160.339.01
		42.5 mm	SGA.160.342.01
	Drehmomentschlüssel 10–100 Nm, mit Vierkant-Antrieb ½" ohne Sechskant-Einsatz Torque wrench 10–100 Nm, with square-drive ½" without hexagonal-insert	S2 80	XNF.91101.010
		S2 125	XNF.91101.010
	Drehmomentschlüssel 20–200 Nm, mit Vierkant-Antrieb ½" ohne Sechskant-Einsatz Torque wrench 20–200 Nm, with square-drive ½" without hexagonal-insert		
		S2 160	XNF.91101.040
	Sechskant-Einsatz SW 12 ½" Hexagonal insert SW 12 ½"	S2 80	XNF.91104.012
	Sechskant-Einsatz SW 14 ½" Hexagonal insert SW 14 ½"	S2 125	XNF.91104.014
		S2 160	XNF.91104.014

S2 Zubehör Accessories

	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	Spannhebel mit Gelenk mit Vierkant-Antrieb 1/2" ohne Sechskant-Einsatz Clamping lever articulated with square-drive, 1/2" without hexagonal-insert	S2 80	XNF.91105.010
		S2 125	XNF.91105.010
		S2 160	XNF.91105.010
	Magnet-Werkstückunterlagen Set (1 Set) Magnet-workpiece support set (1 set)	S2 80	CGA.080.031.01
		S2 125	SGA.125.031.01
		S2 160	MSA.160.101.01
	Magnet Anschlag klein 60 x 15 mm (1 Set) Magnet-workpiece stop small 60 x 15 mm (1 set)	S2 80 + S2 125 + S2 160	XNF.41000.001
	Magnet Anschlag gross 115 x 15 mm (1 Set) Magnet-workpiece stop large 115 x 15 mm (1 set)	S2 80 + S2 125 + S2 160	XNF.41000.005
	Verlängerung 68 x 30 mm (1 Set) Extension 68 x 30 mm (1 set)	S2 80 + S2 125 + S2 160	XNF.41000.004

S2 Zubehör Accessories

	Bezeichnung Designation	Passend zu Typ Suitable for type	Bestell-Nr. Order No.
	Spannpratzen (2 Stk.) Clamping claws (2 pcs.)	S2 80	GPA.000.015.01
		S2 125	GPA.000.015.01
		S2 160	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
	Passschrauben ø12f7 / M12 (2 Stk.) Fitting screws ø12f7 / M12 (2 pcs.)	S2 125	GPA.000.005.01
		S2 160	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
		22	KLA.100.022.01
	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

