EVARD PRECISION

SPANNTECHNIK | TIGHTENING

TYPE-EV

Pneumatischer Schraubstock / Pneumatic vice

Swiss Made

TYPE-EV

Pneumatischer Schraubstock

Der Gesamtplatzbedarf des Spannsystems bleibt immer gleich, unabhängig von der Grösse des Werkstücks und ermöglicht eine breite Spannungskapazität.

Pneumatic vice

The overall footprint of the clamping system remains the same independently of the size of the workpieces and allows a wide clamping capacity.

- Doppelwirkendes Spannsystem
- Einfache Wartung
- Einfache und präzise Positionierung der Backen
- Backenbreite 130 mm
- Grosse Spannweite
- Genaue Spannkraft bis 6 bars

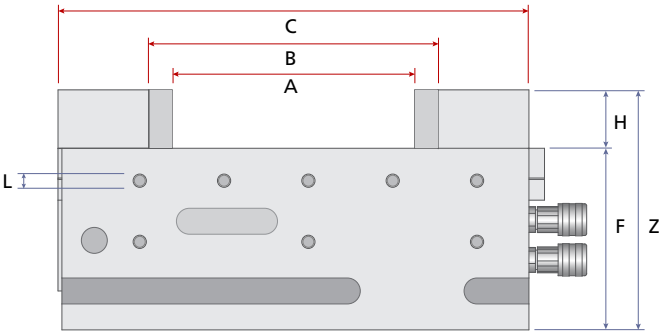
- Double-acting clamping system
- Easy maintenance
- Simple and precise positioning of the jaws
- Jaw width 130 mm
- Large span
- Exact resilience to 6 bars

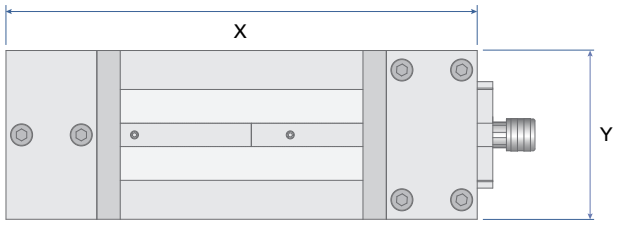
Grosse Spannweite
Die Gesamtgrösse des Spannsystems bleibt gleich, unabhängig des zu bearbeitenden Werkstücks und erlaubt eine grosse Spannweite

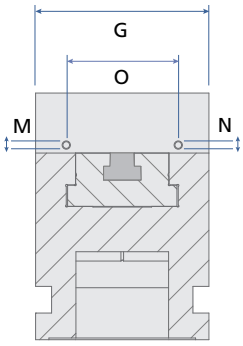
Large span
The total size of the clamping system remains the same, regardless of the workpiece to be machined and allows a large span.

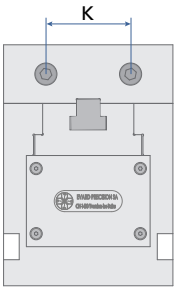
Genaue Spannkraft bis 6 bars
Alle Auflageflächen und Führungen sind gehärtet (55-60 HCR) und gleichgerichtet. Unsere Fertigungstoleranzen und die Montage garantieren eine hohe Spanngenauigkeit.

Exact resilience to 6 bars
All contact surfaces and guide surfaces are hardned (55-60 HCR) and rectified. Our manufacturing tolerances and assembly guarantee high clamping accuracy.





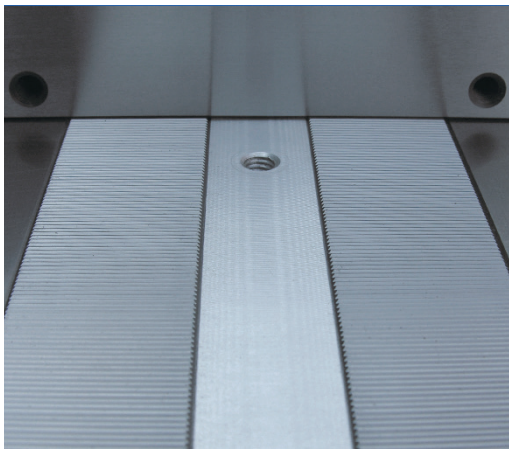




Typ / Type	Ref	EV130
Spannkraft bei 6 bar (Luft) Tightening force at 6 bars (air)	kg	2600
Gewicht / Weight	kg	45
Spannhub / Pneumatic stroke	mm	3
Öffnung mit glatter Backen Opening with smooth jaws	A	202
Öffnung ohne glatter Backen Opening without smooth jaws	B	248
Öffnung zwischen der Aussenseite der Backen Opening between the outside of the jaws	C	378
Gesamtlänge / Overall length	X	378
Gesamtbreite / Overall width	Y	130
Gesamthöhe / Overall height	Z	185
Höhe der flankierenden Oberfläche Height of the flanking surface	F	140
Festklemmhöhe / Tightening height	H	45
Breite der Spannbacken Width of the clamping jaws	G	130
Niedrigere Höhe der Kulisse Lower height of the slide	J	72
Befestigungsabstand der Befestigung der Backen Distance between centres	K	65
10 Befestigungsgewinde 10 mounting thread	L	M10
Befestigungsgewinde für Keile Mounting thread for wedges	M	M6
Befestigungshöhe der Keile Mounting height of the wedges	N	6
Lochabstand der Keile Hole spacing of wedges	O	84

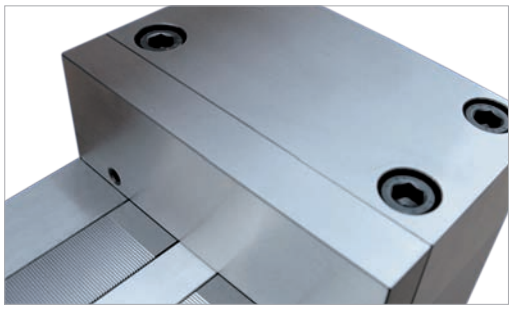
Doppelwirkendes Spannsystem
Das doppelt wirkende Spannsystem erlaubt, je nach Bearbeitung des Teiles, eine Fixierung durch bewegen der Spannbacken nach vorne oder nach hinten.

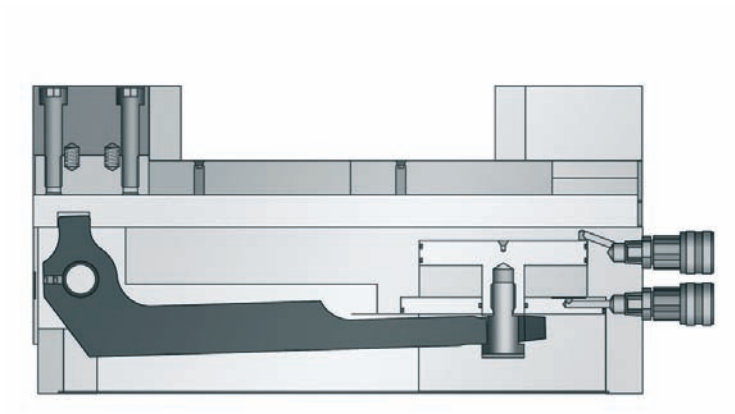
Double-acting clamping system
The double-acting clamping system allows, depending on the processing of the part, a fixation by moving the clamping jaws according to forward or backward.



Einfache Watung
Die Wartung zwischen den Arbeitsgängen wird durch ein revolutionäres Konzept erleichtert. Die Funktion des vollständig versteckten Kolben wird nicht durch Unreinheiten beeinträchtigt. Eine abnehmbare Abdeckung in T-Form verhindert ein eindringen der Spähne.

Easy maintenance
The maintenance between applications is facilitated by a revolutionary concept. The function of the completely hidden piston is not affected by impurities. A removable cover in T-shape prevents penetration of the shavings.



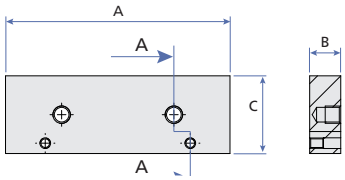


Einfache und präzise Positionierung der Backen
Die verzahnte Auflagefläche erlaubt eine einfache und präzise Positionierung der Backen. Die Verzahnung von 1 mm Abstand sind in gehärtete Flächen gefräst.

Simple and precise positioning of the jaws
The toothed bearing surface allows an easy and precise positioning of the jaws. The teeth of 1 mm distance are milled in hardened surfaces.

Glatte Aufsatzbacke
Gehärtet 60 HRC

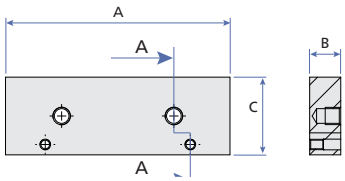
Smooth hartened jaw
Case-hardened, tempered to 60 HRC and grinded



Ref.	Anwendung / Application	A	B	C	Gewicht [g] / Weight [g]
130024	EV130	130	18	45	810

Weiche Aufsatzbacke
Ungehärtet, zur individuellen Bearbeitung

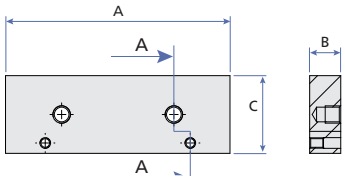
Soft jaw
Not tempered, for specific machining



Ref.	Anwendung / Application	A	B	C	Gewicht [g] / Weight [g]
130047	EV130	130	18	45	810

Geriffelte Backen
Gehärtet 60 HRC

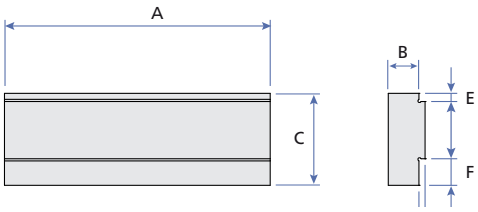
Striated hartened jaw
Case-hardened, tempered to 60 HRC and grinded



Ref.	Anwendung / Application	A	B	C	Gewicht [g] / Weight [g]
130046	EV130	130	18	45	790

Abgestufte Aufsatzbacke
Gehärtet 60 HRC

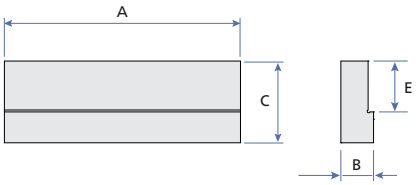
Staged jaw
Face-hardened, tempered 60 HRC and grinded



Ref.	Anwendung Application	A	B	C	D	E	F	Gew. [g] Wgt [g]
130022	EV130	130	18	45	3	4	13	750

Tiefe abgestufte Aufsatzbacke
Gehärtet 60 HRC

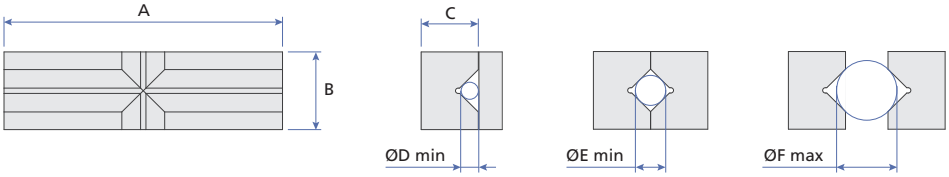
Large staged jaw
Face-hardened, tempered 60 HRC and grinded



Ref.	Anwendung Application	A	B	C	D	E	Gew. [g] Wgt [g]
130026	EV130	130	18	45	3	28	725

Prisma Backen 90°
Gehärtet 60 HRC

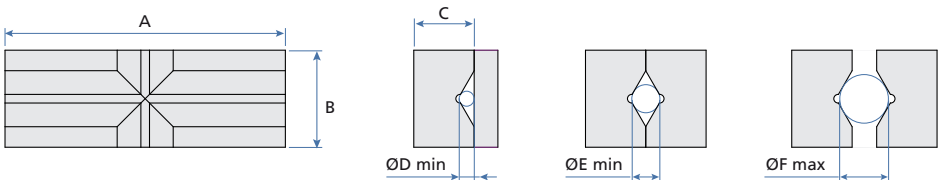
Prismatic jaw 90°
Case-hardened, tempered to 60 HRC and grinded



Ref.	Anwendung Application	A	B	C	D	E	F	Gew. [g] Wgt [g]
130021	EV130	50	45	28	8.5	14.5	28.6	1130

Prisma Backen 120°
Gehärtet 60 HRC

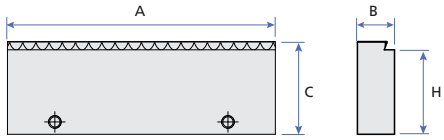
Prismatic jaw 120°
Case-hardened, tempered to 60 HRC and grinded



Ref.	Anwendung Application	A	B	C	D	E	F	Gew. [g] Wgt [g]
130037	EV130	130	45	24	8.5	14	44	1140

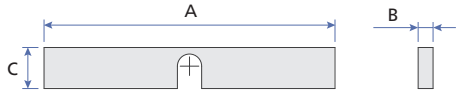
Aufsatzbacken mit Krallen
Gehärtet 60 HRC

Claw jaw
Tempered to 60 HRC and grinded



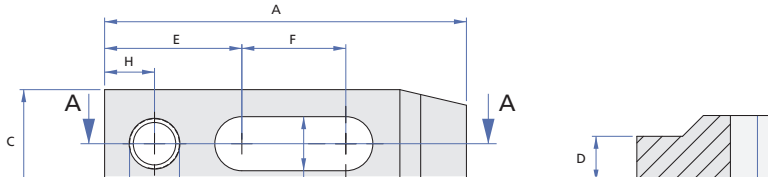
Ref.	Anwendung Application	A	B	C	H	Gew. [g] Wgt [g]]
130091	EV130	130	18	45	41	785

Auflage-Keil / Parallels

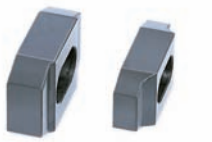


Ref.	Anwendung Application	A	B	C	H Festklemm H Tightening
130144	EV130	129.5	18	44	1
130142				42	3
130138				38	7
130134				34	11
130130				30	15
130126				26	19
130122				22	23
130118				18	27
130114				14	31

Bride / Attach

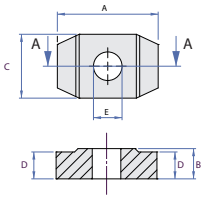


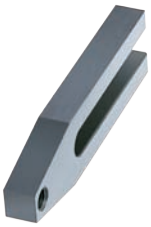
Ref.	Anwendung Application	A	B	C	D	E	F	G	H	I	Gew. [g] Wgt [g]
5002	EV130	98	19	40	16	40	33	17	13	M12	440



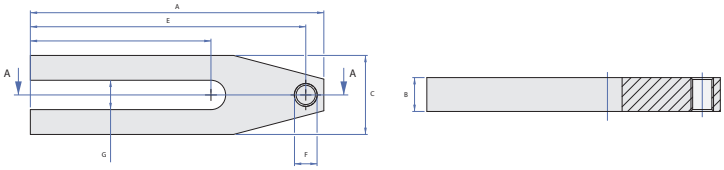
Doppelbride / Attach double

Ref.	Anwendung Application	A	B	C	D	E	Gew. [g] Wgt [g]
5002	EV130	70	18	38	16	17	255





Anschlagteil / Thrust



Ref.	Anwendung Application	A	B	C	D	E	G	Gew. [g] Wgt [g]
5005	EV130	130	13	35	80	122	M10	350

Schutz / Protection

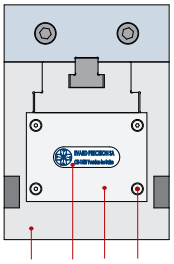
Ref.	Anwendung / Application
130096	EV130

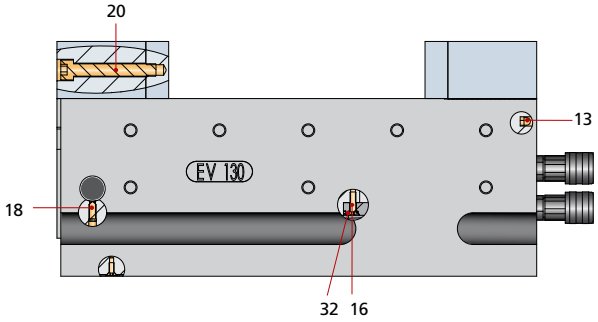
Zubehör / Accessories

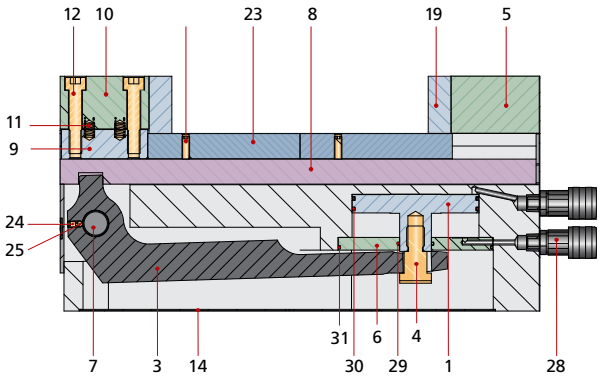
6002

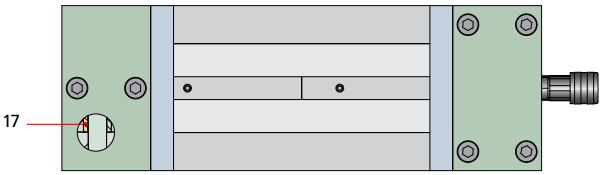
6003

Pos.	Artikel / Article	Q	EV130
1	Hauptgehäuse / Main body	1	EV130001
2	Hebel / Lever	1	EV130003
3	Spannbacke / /Fixing jaw	1	EV130002
4	Beweglische Backe / Mobile jaw	1	EV130005
5	Kulisse / Slide	1	EV130006
6	Zentriermutter 18 / Centering nut	1	EV130007
7	Flansch Kolben / Piston flange	1	EV130008
8	Kolben / Piston	1	EV130009
9	Vis à portée / Scope screws	1	EV130010
10	Hebelaxe / Lever's axle	1	EV130011
11	Verschlussplatte / Closing plate	1	EV130012
12	Zapfen 120 / Stopper 120	1	EV130013
13	Glatte Aufsatzbacke 60 HRC Smooth hartened jaw 60 HRC	2	EV130024
14	Schutz / Fender	1	EV130040
15	Rillenkugellager skf / ball bearing skf	2	HK2016
16	Din 7991 (BN20)	4	M4 x 8
17	Din 7991 (BN20)	8	M4 x 10
18	Din 7991 (BN20)	6	M5 x 18
19	Din 914 45H (BN25)	1	M5 x 6
20	Din 914 45H (BN25)	2	M6 x 16
21	Din 913 (BN24)	1	M5 x 6
22	EH 2204 (BN13364	2	M6 x 14
23	Din 912 (BN8) 12.9	6	M10 x 50
24	Din 912 (BN8) 12.9	4	M10 x 65
25	Oring	6	Ø 5 x 1,5
26	Oring	1	Ø 25 x 2
27	Oring	1	Ø 118 x 2
28	Oring	2	Ø 95 x 2,5
29	Feder / Spring	2	Ø8 x 16,5 x 1,1
30	Schmierstelle / Greasing point	2	L1 M6
31	Kupplung / Quick connection	2	LOS284









Spanntechnik | Tightening

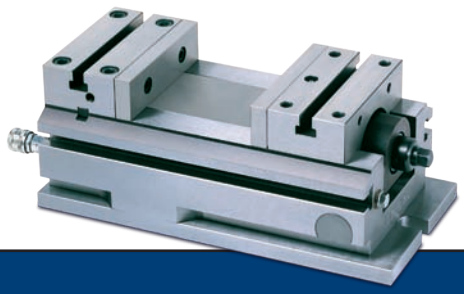
Die Lösung der Spanntechnik an herkömmlichen oder elektronischen Maschinen für horizontale-oder vertikale Bearbeitungszentren

Hergestellt in der Schweiz, werden unsere Produkte für ihre Qualität, ihre Zuverlässigkeit und ihre Präzision geschätzt.

Unser umfangreiches Warenangebot und unsere Flexibilität erlauben uns Standartprodukte oder Spezialanfertigungen zu liefern, gemäss Ihren Bedürfnissen.

Tightening solution intended for CNC or conventional metal forming equipment, vertical and horizontal working centre or robotized production.

Made in Switzerland, our products are recognized for their quality, their reliability and their precision.

Our extensive product range allows us not only to supply standard items but also to provide specifically requirement.

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