



 ZSG 1

 CERATIZIT GROUP MNG mini

 ZSG mini

## New products for clamping technology

### **NEW** Mechanical Zero-point Clamping System – MNG mini



149-151

**MNG  
mini**

Weight-optimized consoles, pyramids and clamping towers integrated zero point clamping system for small clamping devices.

### **NEW** CentriClamp – ZSG mini



92-100

**ZSG  
mini**

The ZSG mini is ideal for clamping small workpieces.

### **NEW** PolyClamp – Verso



111-124

**Verso**

The new flexible multiple vice with quick jaw change system for many small and large workpieces.

Solid drilling and bore machining

- 1 HSS drilling
- 2 Solid carbide drilling
- 3 Indexable insert drilling
- 4 Reaming and Countersinking
- 5 Spindle Tooling

Threading

- 6 Taps and thread formers
- 7 Circular and Thread Milling
- 8 Thread turning

Turning

- 9 Turning Tools
- 10 Multifunctional Tools – EcoCut and FreeTurn
- 11 Grooving Tools

Milling

- 12 Miniature turning tools
- 13 HSS Milling Cutters
- 14 Solid Carbide milling cutters
- 15 Milling tools with indexable inserts

Clamping technology

- 16 Adaptors and Accessories
- 17 Workpiece clamping

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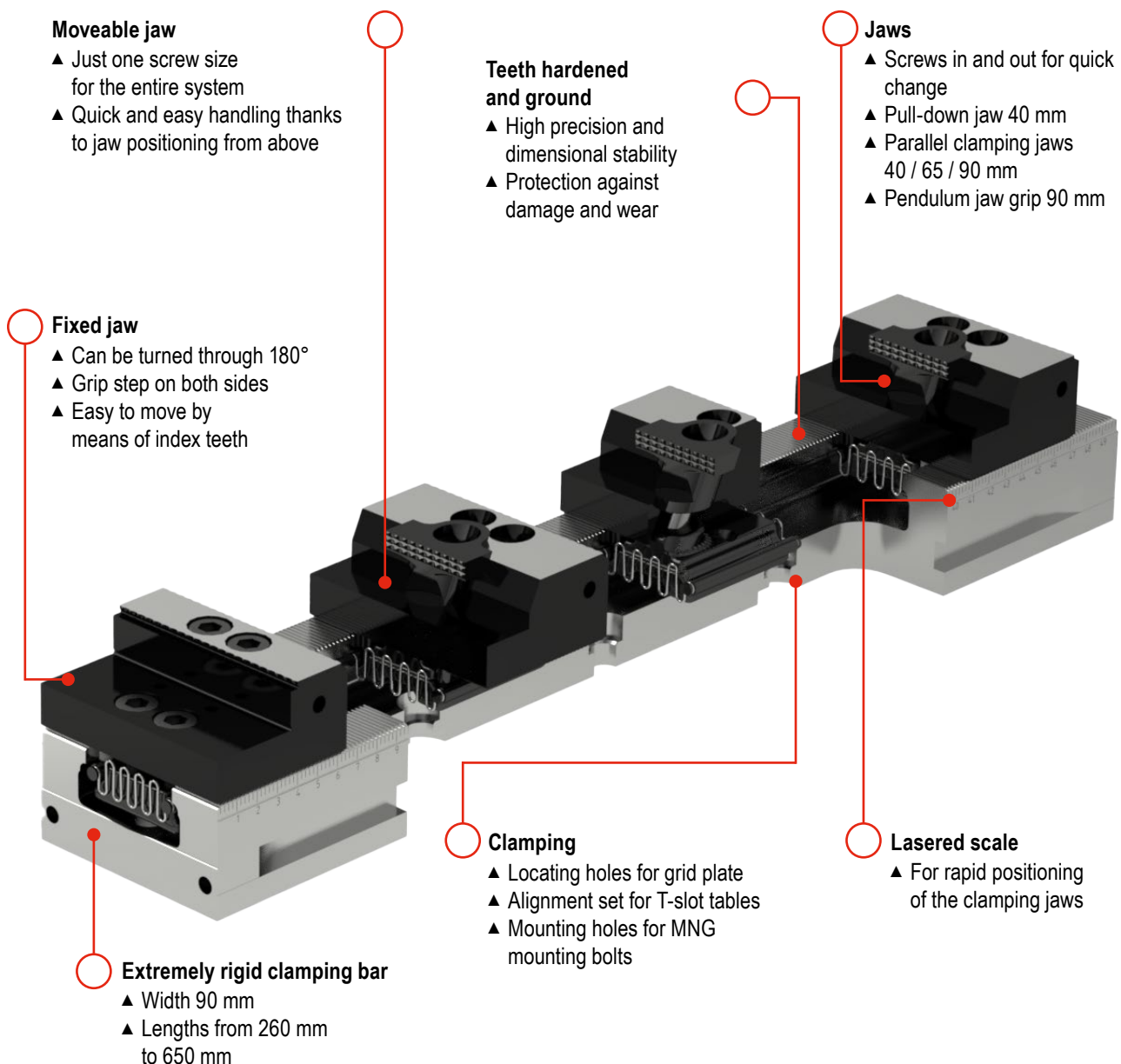
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## WNT \ Performance

Premium quality tools for high performance.

The premium quality tools from the **WNT Performance** product line have been designed for specific applications and are distinguished by their outstanding performance. If you make high demands on the performance of your production and want to achieve the very best results, we recommend the Premium tools in this product line.

## PolyClamp – Verso



## Clamping systems overview

### SoloClamp – Single clamping vice

- ▲ Power-assisted systems NCG, HDG 2 and H5G
- ▲ Fixed jaws as reference
- ▲ High repeatability
- ▲ Very good angular accuracy



High precision and force amplification

### CentriClamp – Centric vice

- ▲ symmetrical clamping
- ▲ very good accessibility for 5-sided machining
- ▲ part datum always centered
- ▲ high repeatability



High process security with encapsulated system

### PolyClamp – Multiple vice

- ▲ Faster set up times
- ▲ multifunctional use
- ▲ optimum utilization of the machine table
- ▲ high repeatability



Increased machine uptime

### Stationary three-jaw chuck – SBF 3

- ▲ Suitable for 3/5-axis machining of round components
- ▲ Compatible with PNG and MNG zero point clamping systems
- ▲ Wedge bar drive
- ▲ Hardened and stiff base body
- ▲ Optimised lubrication system



The perfect clamping situation for round components

### Clamping variants

- ▲ Zero point clamping systems
- ▲ Zero point clamping system grid plates
- ▲ MNG – Mechanical zero point clamping system
- ▲ PNG – Pneumatic zero point clamping system



Reduction in setup times

### Clamping Towers

- ▲ Double sided clamping tower
- ▲ Triangular clamping tower
- ▲ Cruciform clamping tower
- ▲ Cube clamping tower



Automation made easy







A variety of clamping towers can be found in our online shop at [cuttingtools.ceratizit.com](http://cuttingtools.ceratizit.com)



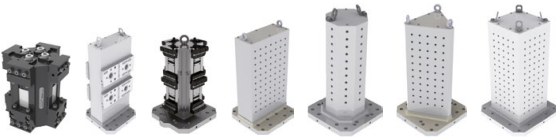
## Toolfinder clamping systems

Type	Description	3 axis	4 axis	5 axis	
SoloClamp – Single clamping vice	<b>NCG</b>  <ul style="list-style-type: none"> <li>▲ 160° quick clamping</li> <li>▲ rapid installation and removal of the spindle assembly</li> <li>▲ quick span adjustment</li> </ul>	✓	✓		
	<b>NCG 5A</b>  <ul style="list-style-type: none"> <li>▲ 160° quick clamping</li> <li>▲ for 5 axis machining</li> <li>▲ quick span adjustment</li> </ul>	✓		✓	
	<b>H5G</b>  <ul style="list-style-type: none"> <li>▲ fast handle clamping</li> <li>▲ 5 axis high power vice</li> <li>▲ 100% encapsulated</li> </ul>	✓		✓	
	<b>H5G -Z</b>  <ul style="list-style-type: none"> <li>▲ Fast handle clamping</li> <li>▲ 5-axis high power vice</li> <li>▲ 100% encapsulated</li> <li>▲ With movable fixed jaw</li> </ul>	✓		✓	
	<b>X5G -Z</b>  <ul style="list-style-type: none"> <li>▲ 100 % encapsulated</li> <li>▲ Optimum accessibility</li> <li>▲ 5- and 6-sided machining possible</li> <li>▲ Fast jaw changeover without tools</li> </ul>	✓		✓	
	<b>ESG 4</b>  <ul style="list-style-type: none"> <li>▲ 100 % encapsulated</li> <li>▲ Precision base body</li> <li>▲ High clamping force</li> <li>▲ Large clamping range</li> </ul>	✓	✓	✓	
	<b>ESG 5</b>  <ul style="list-style-type: none"> <li>▲ New version of the sealed centric vice ZSG 4 as single vice</li> <li>▲ Identical dimensions and function as the ZSG 4</li> </ul>	✓	✓	✓	
	<b>HDG 2</b>  <ul style="list-style-type: none"> <li>▲ mechanical power transmission</li> <li>▲ clamping force with only one turn of the handle</li> <li>▲ infinitely variable clamping force setting</li> </ul>	✓			
	CentriClamp – Centric vice	<b>ZSG 4</b>  <ul style="list-style-type: none"> <li>▲ ball bearing, backlash free spindle</li> <li>▲ high precision, clamping force and process security</li> <li>▲ repeatability ±0.01 mm</li> </ul>	✓	✓	✓
		<b>ZSG mini</b>  <ul style="list-style-type: none"> <li>▲ Fast jaw changeover without tools</li> <li>▲ compact and precise</li> <li>▲ optimum accessibility from all sides</li> <li>▲ stainless, hardened base body</li> </ul>	✓	✓	✓


	Jaw width in mm	Body length in mm	max. clamping range in mm	cubic workpieces	assymetrical workpieces	round workpieces	max. clamping force in kN	Page No.
	100 125 160	305 390 530	245 343 506	✓	✓	✓	30 40 40	10-21
	100 125	305 390	199 269	✓		✓	18 24	13-21
	125	300	249	✓	✓	✓	40	22-36
	125	330 430 500 630	396 466 578	✓	✓	✓	40	26-36
	125	330 430 500 630 800	80-210 80-310 80-380 80-510 80-688	✓	✓	✓	40	37
	80 125 160	214 362 480	192 308 434	✓	✓	✓	25 40 50	49-58
	80 125 160	130+190 160+235+300 280+480	63-171 84-281 125-448	✓	✓	✓	35 35 50	59-66
	100 125 160	342 400 544	278 338 470	✓		✓	30 40 60	68-71
	80 125 160	130+190 160+235+300 280+480	121-185 163-303 134-462	✓	✓	✓	25 40 50	72-90
	45 70	80 100	7-77	✓	✓	✓	16	92-100



## Toolfinder clamping systems

Type	Description	3 axis	4 axis	5 axis
PolyClamp – Multiple vice	<b>DSG 4</b>  <ul style="list-style-type: none"> <li>▲ Quick assembly and disassembly</li> <li>▲ Flexible clamping system</li> <li>▲ Can be converted into single vice</li> </ul>	✓	✓	✓
	<b>Verso</b>  <ul style="list-style-type: none"> <li>▲ Variable clamping system</li> <li>▲ Clamp several small and large components</li> <li>▲ Innovative multiple vice system</li> </ul>	✓	✓	✓
Stationary three-jaw chuck	<b>SBF 3</b>  <ul style="list-style-type: none"> <li>▲ Suitable for 3/5-axis machining of round components</li> <li>▲ Compatible with PNG and MNG zero point clamping systems</li> </ul>	✓		✓
	 <ul style="list-style-type: none"> <li>▲ Suitable for 3/5-axis machining of round components</li> <li>▲ Compatible with PNG and MNG zero point clamping systems</li> </ul>	✓		✓

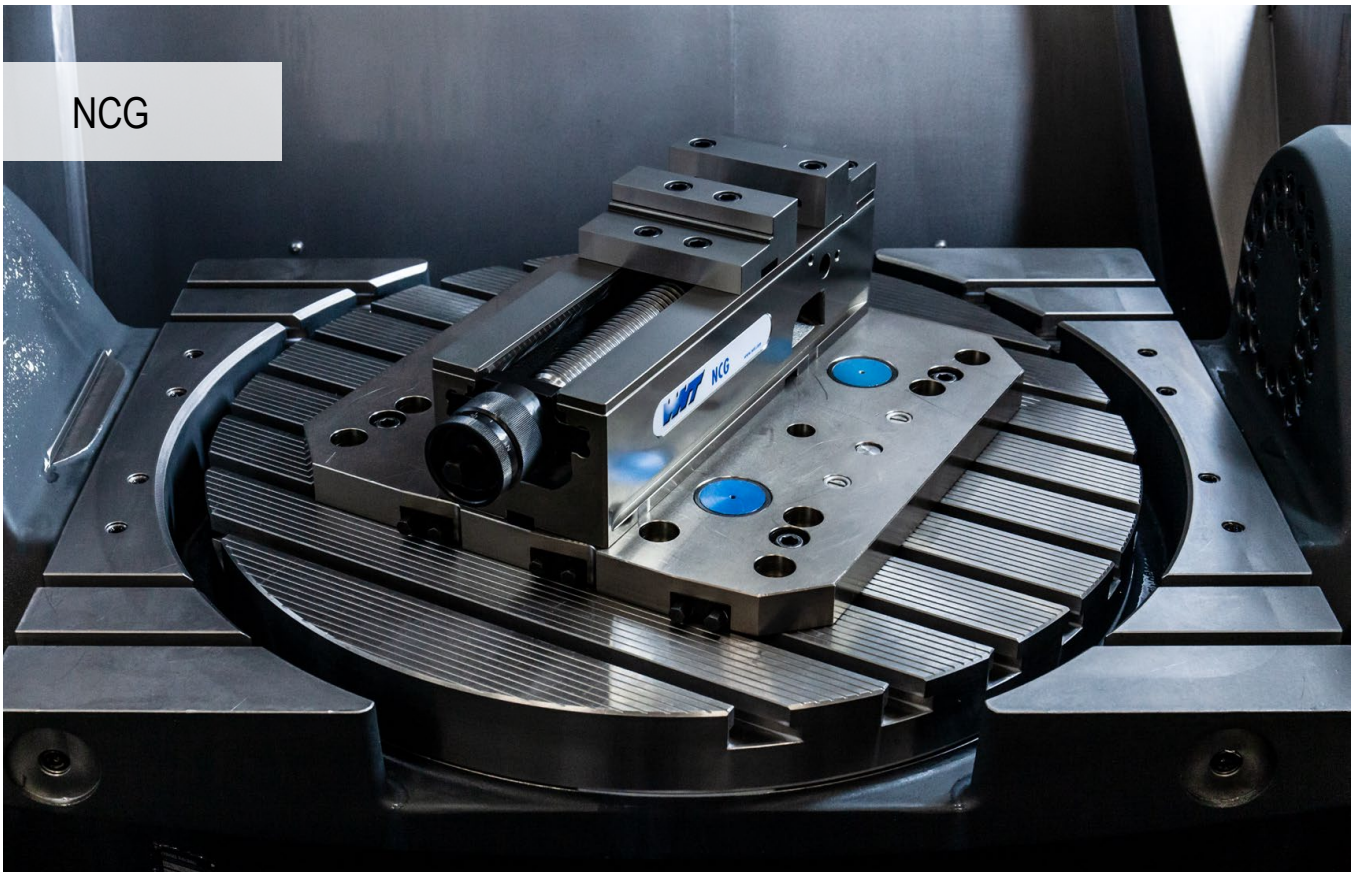
Type	Description
Zero point clamping systems	mechanical
	<b>MNG mini</b>  <ul style="list-style-type: none"> <li>▲ For workpiece clamping in the smaller dimension range</li> </ul>
pneumatic	<b>PNG</b>  <ul style="list-style-type: none"> <li>▲ Process security thanks to self-locking mechanism</li> </ul>
Clamping Towers	 <ul style="list-style-type: none"> <li>▲ Increased machine uptime</li> </ul>

## Manual machine vice

Drilling machine vice	<b>HSG</b>  <ul style="list-style-type: none"> <li>▲ fast jaw adjustment, compact and precise</li> </ul>
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Jaw width in mm	Body length in mm	max. clamping range in mm	cubic workpieces	assymetrical workpieces	round workpieces	max. clamping force in kN	Page No.
80	300	102	✓	✓	✓	25	101-110
125	320+390+460 530+600+670+740	114+149+184 219+254+289+324				40	
40 65 90	260 -650	524	✓	✓	✓	30	111-124
	Ø 200	SB-H jaws 6-180			✓	100	125-130
	Ø 315	SB-H jaws 12-420			✓	180	
mechanical		pneumatic		Comments			Page No.
	✓						134-148
	✓						149-151
			✓				152-163
	✓				This article can be found in our online shop at <a href="http://cuttingtools.ceratizit.com">cuttingtools.ceratizit.com</a>	 	
	✓						131-133





## Systematic clamping

Modular machine vice as system with clamping under tension.

Unique, patented fast handle clamping with mechanical power assist and minimum setup times.

### Your benefits:

- ▲ Quick adjustment using a crank handle
- ▲ Quick positioning with MNG on the machine table without an intermediate pallet
- ▲ Clamping force can be continuously adjusted 4 – 40 kN
- ▲ 160° quick clamping
- ▲ Quick and easy jaw change with 4 screws
- ▲ Easy cleaning thanks to rapid disassembly of the entire spindle unit
- ▲ Extensive modular jaw range



### Clamping/aligning:



Clamping with two dowel screws dia. 12<sub>H7</sub> / M12  
(NCG 100) Article no. 80 890 313 or dia. 16<sub>H5</sub> / M16  
(NCG 125 / 160) Article no. 80 890 314



Alignment through 20<sup>H7</sup> precision slot nuts in the base body and clamping with clamping claws



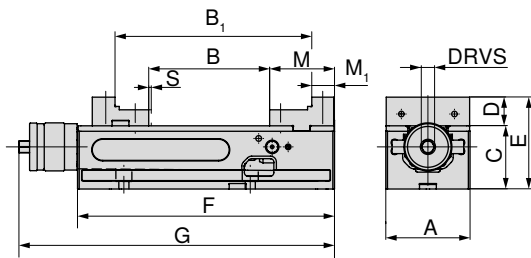
Alignment and clamping with MNG zero point clamping system (2-3 mounting bolts)

## SoloClamp – NCG

- ▲ NC-quick clamping vice with combi reversible jaw plus
- ▲ thanks to additional threads, top jaws with heights of 18 mm and 40 mm can be used

### Scope of supply:

NC-quick vice, including 4 clamping claws, 2 combi reversible jaw plus, clamping lever



80 890 ...

A	B	B <sub>1</sub>	C <sub>-0.02</sub>	D	E	F	G	M	M <sub>1</sub>	S	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg
125	0 - 212	96 - 307	100	39	139	390	457	89	39	3	14	4 - 40	34

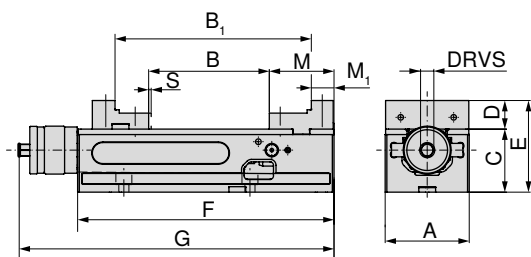
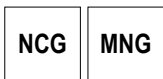
12500

## SoloClamp – NCG

- ▲ NC-quick clamping vice with combination jaw
- ▲ Fast 160° handle clamping
- ▲ Rapid installation and removal of the spindle assembly
- ▲ S = powerstroke

### Scope of supply:

NC-quick vice, including 4 clamping claws, 2 combi reversible jaws (one side stepped, one side smooth), clamping lever



80 890 ...

A	B	B <sub>1</sub>	C <sub>-0.02</sub>	D	E	F	G	M	M <sub>1</sub>	S	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg
100	0 - 155	91 - 245	75	34	109	305	374	77	27	2,5	14	4 - 30	19
125	0 - 212	96 - 307	100	39	139	390	457	89	39	3	14	4 - 40	34
160	0 - 314	113 - 426	115	49	164	530	600	108	52	3	14	4 - 40	68

602

627

662

### Vice guide

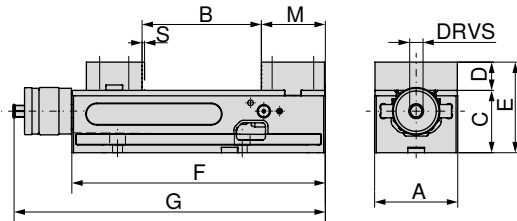
Underside Dimensions	14	System accessories	16-21
MNG-/PNG zero point clamping system	134-163	General accessories	164-183

## SoloClamp – NCG

- ▲ NC-quick clamping vice with standard jaw
- ▲ Fast 160° handle clamping
- ▲ Rapid installation and removal of the spindle assembly
- ▲ S = powerstroke

### Scope of supply:

NC-quick vice, including 4 clamping claws, 2 standard reversible jaws (one side smooth, one side serrated), clamping lever



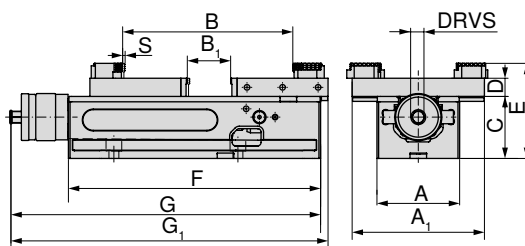
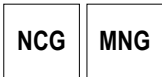
A	B	C <sub>-0.02</sub>	D	E	F	G	M	S	DRVS	MXC	WT	80 890 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg	
100	0 - 155	75	34	109	305	374	77	2,5	14	4 - 30	19,5	600
125	0 - 212	100	39	139	390	457	89	3	14	4 - 40	35,0	625
160	0 - 314	115	49	164	530	600	108	3	14	4 - 40	70,0	660

## SoloClamp – NCG

- ▲ NC-quick clamping vice with adapter and pendulum jaws
- ▲ fast 160° lever clamping
- ▲ rapid installation and removal of the spindle assembly
- ▲ S = powerstroke
- ▲ simple raw part clamping
- ▲ free positioning of the 6-face reversible jaw which can be found in the accessories

### Scope of supply:

NC-quick vice (type NCG base body) with 1 fixed adapter plate and 1 pendulum jaw, clamping lever, 4 clamping claws, without 6-face indexable jaws



A	A <sub>1</sub>	B	B <sub>1</sub>	C <sub>-0.02</sub>	D	E	F	G	G <sub>1</sub>	S	DRVS	MXC	WT	80 890 ...
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg	
100	160	10 - 230	0 - 77	75	22	115	305	374	383	2,5	14	4 - 30	19	636
125	192	16 - 343	0 - 152	100	22	140	390	457	478	3	14	4 - 40	34	637
160	256	15 - 506	0 - 237	115	22	155	530	600	631	3	14	4 - 40	68	638

### Vice guide

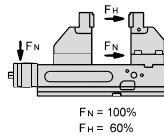
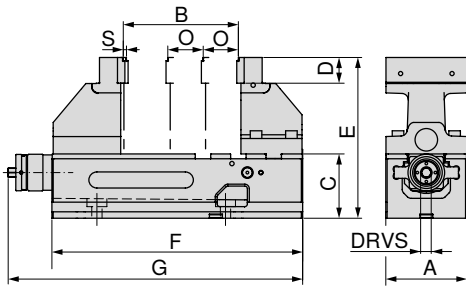
Underside Dimensions	14	System accessories	16-21
MNG-/PNG zero point clamping system	134-163	General accessories	164-183

# SoloClamp – NCG 5A

- ▲ NC quick vice 5A with high support jaws
- ▲ Fast 160° handle clamping
- ▲ Rapid installation and removal of the spindle assembly
- ▲ S = powerstroke
- ▲ Ideally suited to 5-axis machining due to optimum accessibility
- ▲ Reversible jaws for clamping range extension
- ▲ 100 mm base body has 2 slots for moving the fixed jaw
- ▲ 125 mm base body has 3 slots for moving the fixed jaw

**Scope of supply:**

NC quick clamping vice incl. 2 high base jaws, 2 'grip' stepped jaws 5 mm, 1 clamping lever, 4 clamping claws



80 890 ...

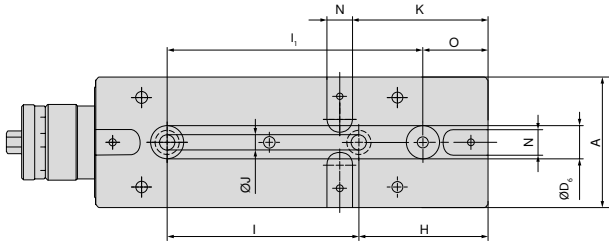
A	B	C	D	E	F	G	O	S	DRVS	MXC	WT	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg	
100	6 - 127	75	35	200	305	374	50	2,5	14	4 - 18 (30)	21,5	605
125	6 - 179	100	40	250	390	457	55	3	14	4 - 24 (40)	42,0	635

*Vice guide*

Underside Dimensions	14	Structural dimension tables for the different jaws	15
System accessories	16-21	MNG-/PNG zero point clamping system	134-163
General accessories	164-183		

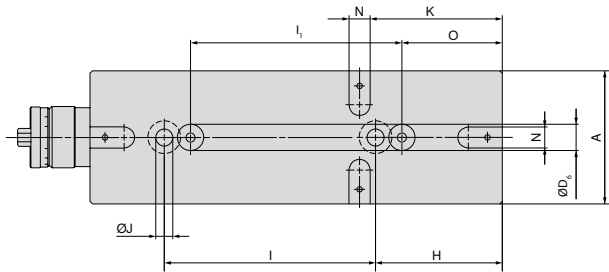
## NCG underside dimensions

Base width 100 mm



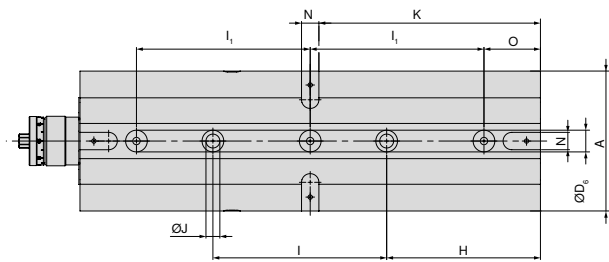
A	H	I <sub>±0,015</sub>	J <sub>F7</sub>	K	N <sub>H7</sub>	O	I <sub>1±0,015</sub>	D <sub>6 H7</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
100	100	150	12	105	20	50	200	25

Base width 125 mm



A	H	I <sub>±0,015</sub>	J <sub>F7</sub>	K	N <sub>H7</sub>	O	I <sub>1±0,015</sub>	D <sub>6 H7</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	120	200	16	125	20	95	200	25

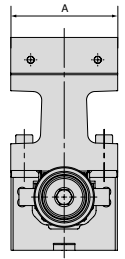
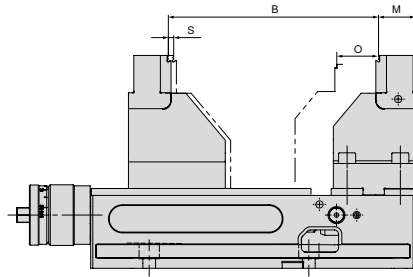
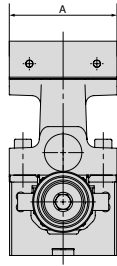
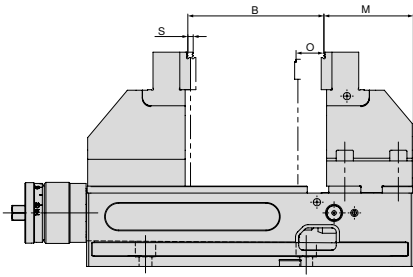
Base width 160 mm



A	H	I <sub>±0,015</sub>	J <sub>F7</sub>	K	N <sub>H7</sub>	O	I <sub>1±0,015</sub>	D <sub>6 H7</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
160	177	200	16	255	20	65	200	25

## NCG 5A structural dimension table for different jaw positions

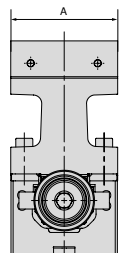
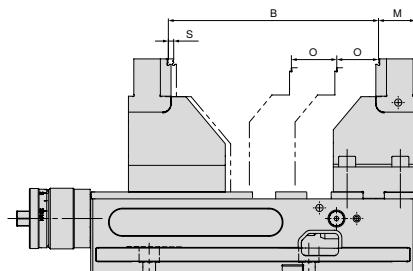
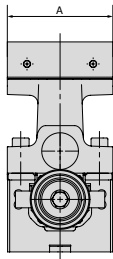
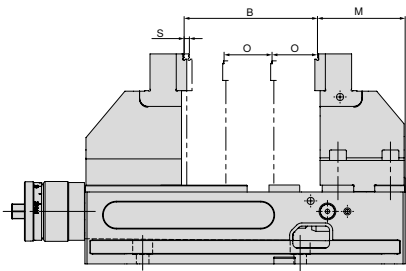
### NCG 5A 100 mm



A mm	B mm	M mm	O mm	S mm
100	6 - 127	84,5	50	2,5

A mm	B mm	M mm	O mm	S mm
100	97 - 199	34,5	50	2,5

### NCG 5A 125 mm



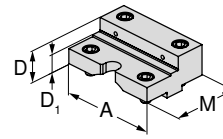
A mm	B mm	M mm	O mm	S mm
125	6 - 182	91	55	3

A mm	B mm	M mm	O mm	S mm
125	117 - 269	36	55	3

## System jaws overview

### Combi reversible jaw plus, fixed

- ▲ For the extension of the clamping range
- ▲ Jaws hardened
- ▲ includes fixing bolts
- ▲ price per piece

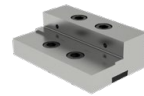
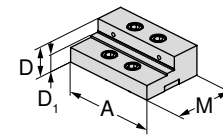


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		39,8	22			88		

80 890 35100	●	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG

### Combi reversible jaw plus, movable

- ▲ For the extension of the clamping range
- ▲ Jaws hardened
- ▲ includes fixing bolts
- ▲ price per piece

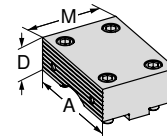


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		39,8	22			82		

80 890 35200	●	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG

### Standard reversible jaw, fixed

- ▲ 1 side smooth, 1 side grooved
- ▲ includes fixing bolts
- ▲ price per piece

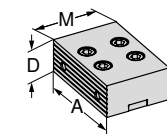


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100	100		34				76		
125	125		39				88		
160	160		49				108		

80 890 323	●	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 890 324	●											
80 890 325	●											

### Standard reversible jaw, movable

- ▲ 1 side smooth, 1 side grooved
- ▲ includes fixing bolts
- ▲ price per piece



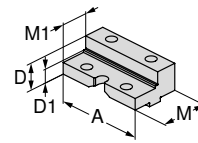
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100	100		34				67		
125	125		39				82		
160	160		49				108		

80 890 327	●	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 890 328 <td>●</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	●											
80 890 329 <td>●</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	●											

## System jaws overview

### Combi reversible jaw, fixed

- ▲ For the extension of the clamping range
- ▲ Jaws hardened
- ▲ includes fixing bolts
- ▲ price per piece

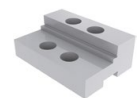
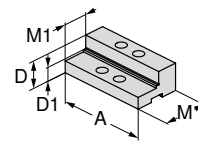


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100	100		34	23			76	50	
125	125		39	25			88	50	
160	160		49	28			108	56	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 890 343	●										
80 890 344	●										
80 890 342	●										

### Combi reversible jaw, movable

- ▲ For the extension of the clamping range
- ▲ Jaws hardened
- ▲ includes fixing bolts
- ▲ price per piece

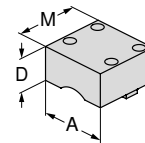


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100	100		34	23			67	40	
125	125		39	25			82	45	
160	160		49	28			108	56	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 890 347	●										
80 890 348	●										
80 890 346	●										

### Soft jaw, steel, fixed

- ▲ Material: 16MnCr5
- ▲ For producing shaped jaws (hardenable)
- ▲ Without fixing screws
- ▲ Price per piece

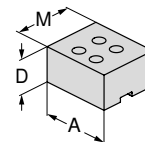


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100	100		50				95		
125	125		50				110		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 890 763	●										
80 890 764	●										

### Soft jaw, steel, movable

- ▲ Material: 16MnCr5
- ▲ For producing shaped jaws (hardenable)
- ▲ Without fixing screws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100	100		50				85		
125	125		50				100		

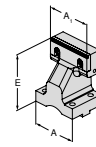
	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 890 767	●										
80 890 768	●										



## System jaws overview

### 5A carrier jaw, fixed

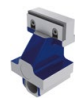
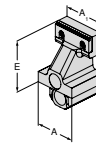
- ▲ Price per piece
- ▲ With stepped grip jaw, 5 mm



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100	100	100				125				80 890 364	•										
125	125	125				150				80 890 366	•										

### 5A carrier jaw, movable

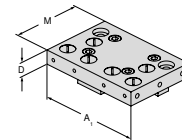
- ▲ Price per piece
- ▲ With stepped grip jaw, 5 mm



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100	100	100				125				80 890 365	•										
125	125	125				150				80 890 367	•										

### Fixed adaptor jaw

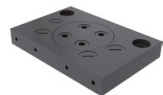
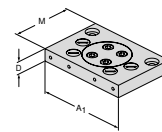
- ▲ for holding 6-way reversible jaws
- ▲ price per piece
- ▲ incl. 6 cover screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100	100	160	22				110			80 890 321	•										
125	125	192	22				130			80 890 337	•										
160	160	256	22				170			80 890 339	•										

### Pendulum jaw, movable

- ▲ for holding 6-way reversible jaws
- ▲ price per piece
- ▲ incl. 6 cover screws (with A = 100 mm, 4 pieces)

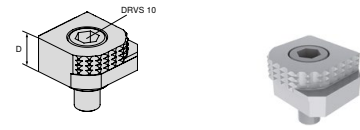


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100	100	160	22				110			80 890 322	•										
125	125	192	22				130			80 890 338	•										
160	160	256	22				170			80 890 340	•										

## System jaws overview

### 6 function indexable jaw

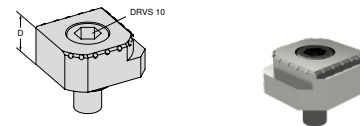
- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲  $M_{max} = 60 \text{ Nm}$
- ▲ Including fixation screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HGG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
18										80 892 246	●	●	●	●				●		●	●	

### 6x indexable jaw, carbide grip

- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HGG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
18										80 890 35300	●	●	●	●				●		●	●	

## System accessories overview

### Spindle body

▲ For the conversion of the NCG 5AC into an NCG vice

NCG
NCG  
5A



80 890 ...

for width mm	
100	385
125	387
160	389

### Carrying handle

▲ for simple and safe transporting

Scope of supply:

1 piece Hand grip including fixing bolts

NCG
NCG  
5AC



80 890 ...

for width mm	
100/125	685

### Drawbar extension

▲ For connecting 2 NCG vices

NCG
NCG  
5A



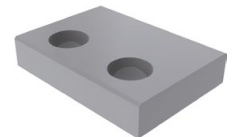
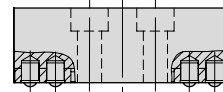
80 890 ...

for width mm	B mm	
100	305 - 460	460
125	390 - 602	470

### Protection plate

▲ For standard moving and combi reversible jaw

NCG

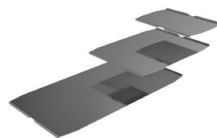


80 890 ...

for width mm	
100	010
125	012
160	013

### Cover plate set

NCG
NCG  
5AC



80 890 ...

for width mm	
100	442
125	443
160	444

### Spring Loaded Locator

NCG



80 890 ...

for width mm	
100/125	008
160	014

## System accessories overview

### Clamping lever

▲ including control accessories

NCG	NCG 5A
H5G	



for width mm		DRVS mm	80 890 ...
100/125/160		14	501

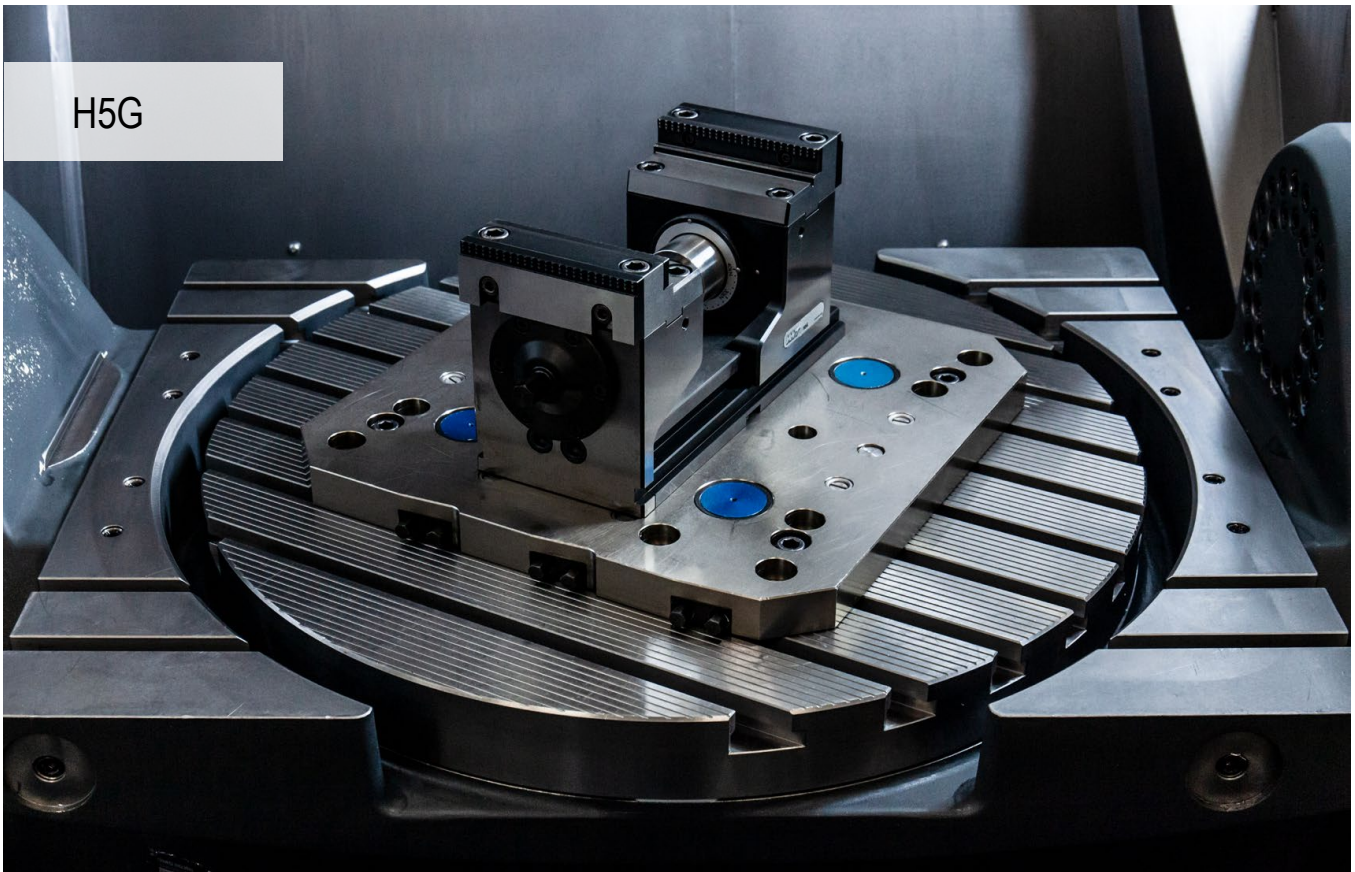
### High-speed operation device

▲ For faster span adjustment with removable grip

NCG	NCG 5AC
-----	------------



for width mm		80 890 ...
100		550
125/160		551



## 5-axis-optimised clamping system

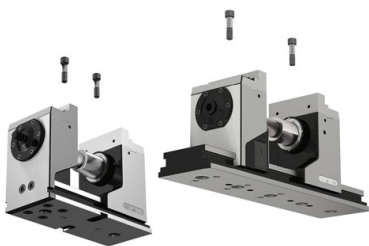
The power-assisted clamping system for 'real' 5-axis complete and simultaneous machining. 1 and 2-sided machining with clamping under tension and 40 kN directly on the workpiece.

### Your benefits:

- ▲ Quick conversion – adjustment of entire clamping range in just a few seconds
- ▲ Quick positioning with MNG on the machine table without an intermediate plate
- ▲ Clamping force can be continuously adjusted 4 – 40 kN
- ▲ 160° quick clamping
- ▲ Rotate jaws – quick and easy jaw change with 4 screws
- ▲ Easy cleaning, spindle fully protected
- ▲ Extensive modular jaw range



### Clamping/aligning:



Clamping with two dowel screws dia. 12<sub>17</sub> / M12  
Article no. 80 895 019



Alignment through 20<sup>H7</sup> precision slot nuts in the base body (H5G) and alignment sets 14 / 16 / 18 in the machine table's T-slot. Clamping with clamping claws.



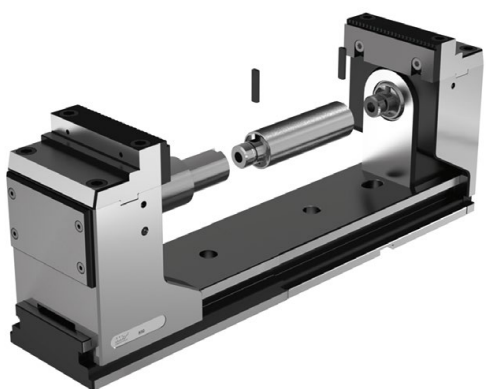
Alignment and clamping with MNG zero point clamping system (2-3 mounting bolts).  
**Optional:** Positioning and fixing holes at the customer's request.

## Alignment of extension base body:



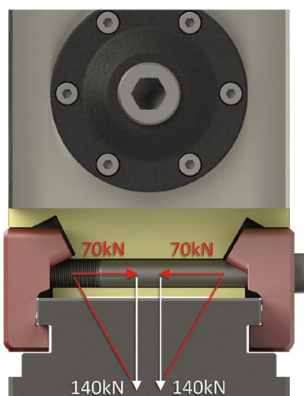
- ▲ Loosely mount the extension base body
- ▲ Distance to basic base body 0.2 – 10 mm
- ▲ Slide movable supporting jaw overlapping onto both base bodies
- ▲ Align the extension base body so it is parallel with the basic base body
- ▲ Secure the extension base body

## Fitting the drawbar extension:



- ▲ Fit the extension base body (see alignment above)
- ▲ Screw the drawbar extension onto the spindle
- ▲ Insert the first anti-twist protection
- ▲ Slide the movable supporting jaw onto the extension base body
- ▲ Connect the extended drawbar to the fixed supporting jaw
- ▲ Insert the second anti-twist protection

## Movable fixed jaw functional principle:



Double-acting screw = double the force  
angled surfaces = double the force

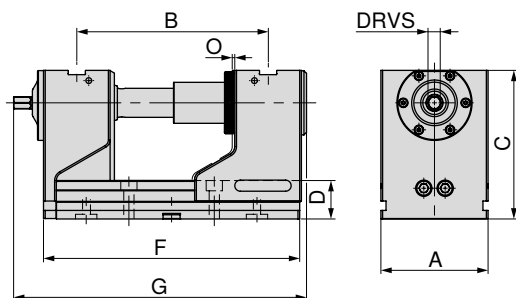
In the case of the H5G-Z and H5G-Z-S, both supporting jaws can be moved as desired. The movable fixed jaw can be clamped on any position on the base body via 1 or 2 screws (1 = H5G-Z / 2 = H5G-Z-S) (tighten screw with 90 Nm). The clamping force of the fixed jaw is almost identical to that of the H5G which is secured with four screws.

## SoloClamp – H5G

- ▲ 5-axis vice with quick adjustment, 174 mm height
- ▲ Crank handle quick clamping
- ▲ Vice with quick span adjustment
- ▲ 100 % encapsulated
- ▲ Vice with longitudinal and transverse grooves 20 H7 and alignment holes Ø 12 F7

### Scope of supply:

Vice incl. 4 clamping claws, hand crank and clamping wrench



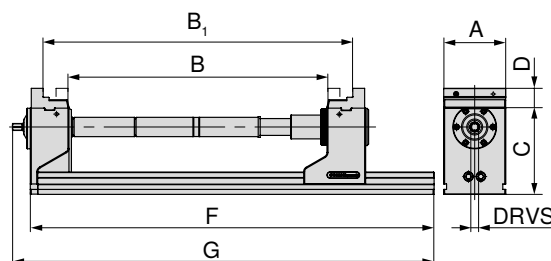
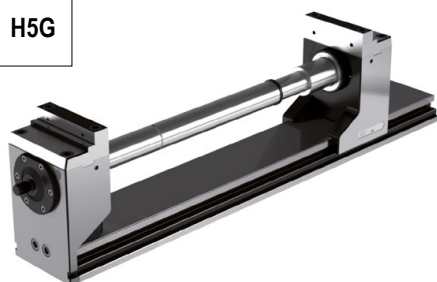
80 898 ...

A	B	C	D	F	G	O	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	mm	mm	kN	kg
125	97 - 223	174	45	300	336,5	1	14	40	30,2

125

## SoloClamp – H5G

- ▲ 5 axis high power vice, long version, 174 mm height



A	C	D	F	G	DRVS	Clamping force
mm	mm	mm	mm	mm	mm	kN
125	174	40	815	851	14	40

B	B <sub>1</sub>	Article no.
0 - 126	123 - 251	80 898 125
125 - 252	248 - 374	80 898 125 + 80 898 826 + 80 898 725
250 - 376	372 - 499	80 898 125 + 80 898 827 + 80 898 725
375 - 501	498 - 624	80 898 125 + 80 898 826 + 80 898 827 + 80 898 725
500 - 626	622 - 749	80 898 125 + 2 x 80 898 827 + 80 898 725



The H5G 125 mm can be extended by a maximum of 250 mm with 2 extensions. The extension results in approximately 10% loss of clamping force. Base plate available in long version with the desired hole pattern **on request**.

### Vice guide

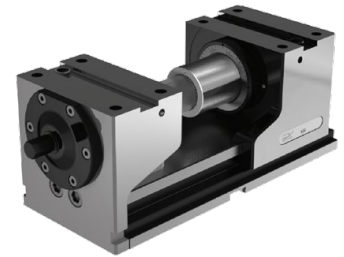
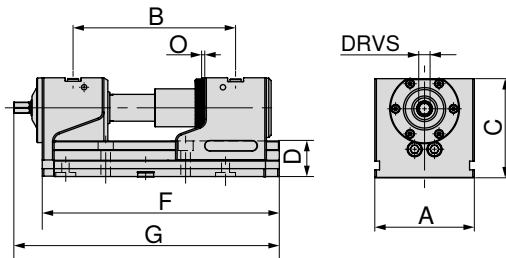
Underside Dimensions	27	Structural dimension tables for the different jaws	28-32
System accessories	33-36	MNG-/PNG zero point clamping system	134-163
General accessories	164-183		

## SoloClamp – H5G-S

- ▲ 5-Axis vice with quick adjustment, 125 mm height
- ▲ Crank handle quick clamping
- ▲ Vice with quick span adjustment
- ▲ 100 % encapsulated
- ▲ Length F = 300 mm with Ø 25 H7 centering
- ▲ Length F = 265 mm with Ø 32 H6
- ▲ Vice with longitudinal and transverse grooves 20 H7 and alignment holes Ø 12 F7

### Scope of supply:

Vice incl. 4 clamping claws, hand crank and clamping wrench



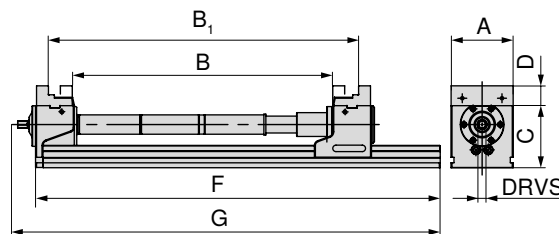
80 898 ...

A	B	C	D	F	G	O	DRVS	MXC	WT	
mm	mm	mm	mm	mm	mm	mm	mm	kN	kg	
125	97 - 186	125	45	265	301,5	1	14	40	21,0	123 <sup>1)</sup>
125	97 - 223	125	45	300	336,5	1	14	40	22,6	124

1) not standardised

## SoloClamp – H5G-S

- ▲ 5 axis high power vice, long version, 125 mm height



A	C	D	F	G	DRVS	Clamping force
mm	mm	mm	mm	mm	mm	kN
125	125	40	815	851	14	40

B	B <sub>1</sub>	Article no.
0 – 126	123 – 250	80 898 124
125 – 251	248 – 374	80 898 124 + 80 898 826 + 80 898 725
250 – 376	372 – 499	80 898 124 + 80 898 827 + 80 898 725
375 – 501	498 – 624	80 898 124 + 80 898 826 + 80 898 827 + 80 898 725
500 – 626	622 – 749	80 898 124 + 2 x 80 898 827 + 80 898 725



The H5G-S 125 mm can be extended by a maximum of 250 mm with 2 extensions. The extension results in approximately 10% loss of clamping force. Base plate available in long version with the desired hole pattern **on request**.

### Vice guide

Underside Dimensions	27	Structural dimension tables for the different jaws	28–32
System accessories	33–36	MNG-/PNG zero point clamping system	134–163
General accessories	164–183		

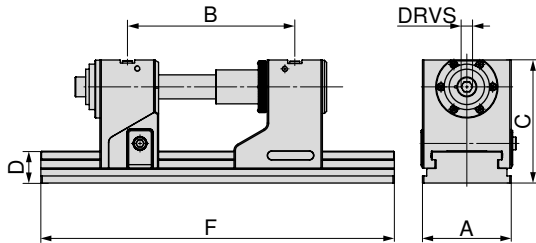


## SoloClamp – H5G-Z

- ▲ 5-Axis vice with movable fixed jaw, 174 mm height
- ▲ Crank handle quick clamping
- ▲ Vice with quick span adjustment
- ▲ 100 % encapsulated
- ▲ Clamping on the machine table is possible with MNG/PNG, or directly through the base body

**Scope of supply:**

Incl. clamping key with hexagonal pin insert



80 907 ...

A	B ±0.015	C	D	F	DRVS	MXC	WT	
mm	mm	mm	mm	mm	mm	kN	kg	
125	131 - 246	174	45	330	14	40	32,5	12800
125	131 - 352	174	45	430	14	40	36,0	125
125	131 - 422	174	45	500	14	40	38,5	126
125	131 - 552	174	45	630	14	40	43,0	127



→ Page 36

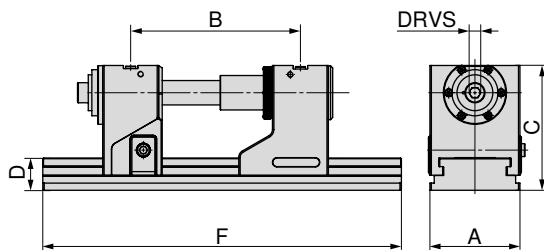
Here you will find the additional drawbar extensions that must be used to reach the maximum clamping ranges.

## SoloClamp – H5G-Z-S

- ▲ 5-Axis vice with movable fixed jaw, 125 mm height
- ▲ Crank handle quick clamping
- ▲ Vice with quick span adjustment
- ▲ 100 % encapsulated
- ▲ Clamping on the machine table is possible with MNG/PNG, or directly through the base body

**Scope of supply:**

Incl. clamping key with hexagonal pin insert

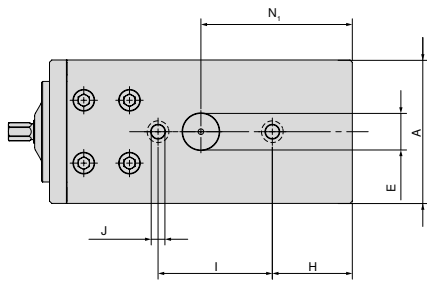


80 907 ...

A	B ±0.015	C	D	F	DRVS	MXC	WT	
mm	mm	mm	mm	mm	mm	kN	kg	
125	131 - 246	125	45	330	14	40	24,5	22500
125	131 - 352	125	45	430	14	40	28,5	22600
125	131 - 422	125	45	500	14	40	30,5	22700
125	131 - 552	125	45	630	14	40	35,5	22800

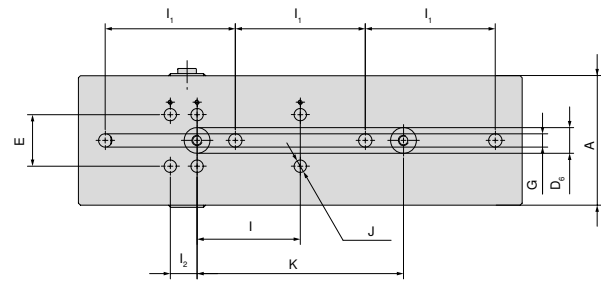
## H5G/H5G-Z underside dimensions

Base width 125 mm and 265 mm length



A	E <sub>H6</sub>	H	I <sub>±0,015</sub>	J <sub>F7</sub>	N <sub>1</sub>
mm	mm	mm	mm	mm	mm
125	32	70	100	12	132,5

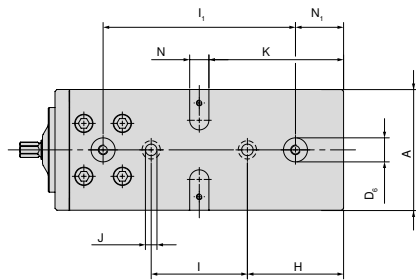
Base width 125 mm and 430 mm length



A	E <sub>±0,01</sub>	I <sub>1 ±0,3</sub>	I <sub>2</sub>	I <sub>±0,015</sub>	K <sub>±0,015</sub>	J <sub>H7</sub>	G	D <sub>6 H6</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	50	126	26	100	200	12	13	25

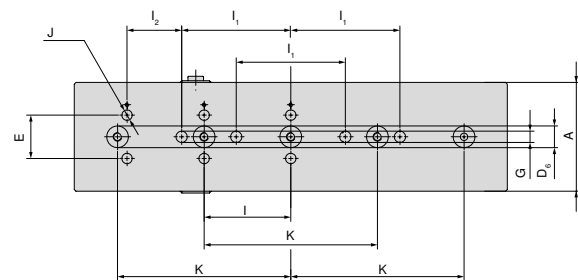
**1** H5G with 265 mm length is not compatible with MNG

Base width 125 mm and length 300 mm



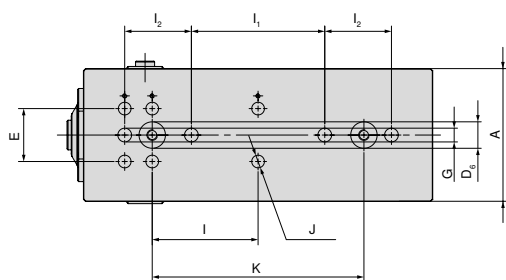
A	D <sub>6 H7</sub>	H	I <sub>±0,015</sub>	J <sub>F7</sub>	K	N <sub>H7</sub>	I <sub>1 ±0,015</sub>	N <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	25	100	100	12	140	20	200	50

Base width 125 mm and 500 mm length



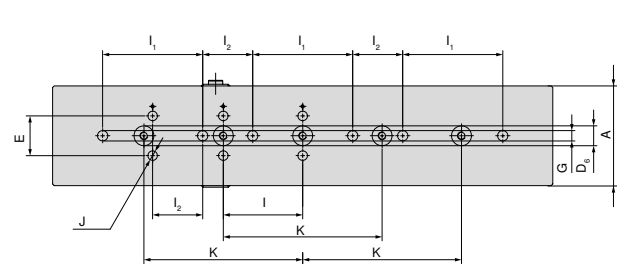
A	E <sub>±0,01</sub>	I <sub>1 ±0,3</sub>	I <sub>±0,015</sub>	K <sub>±0,015</sub>	I <sub>2</sub>	G	D <sub>6 H6</sub>	J <sub>H7</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	50	126	100	200	63	13	25	12

Base width 125 mm and 330 mm length



A	E <sub>±0,01</sub>	I <sub>±0,015</sub>	I <sub>2</sub>	I <sub>1 ±0,3</sub>	D <sub>6 H6</sub>	J <sub>H7</sub>	K <sub>±0,015</sub>	G
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	50	100	26	126	25	12	200	13

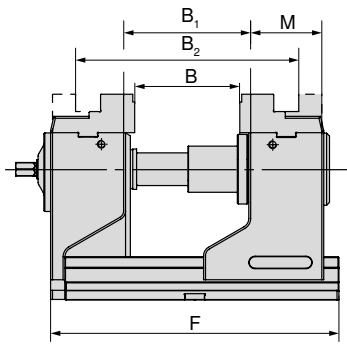
Base width 125 mm and 630 mm length



A	E <sub>±0,01</sub>	I <sub>1 ±0,3</sub>	I <sub>2</sub>	I <sub>±0,015</sub>	K <sub>±0,015</sub>	G	D <sub>6 H6</sub>	J <sub>H7</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	50	126	63	100	200	13	25	12

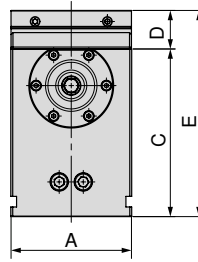
# H5G/H5G-S – Structural dimension table for the different jaws

With combi jaws



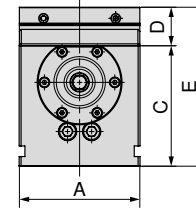
F	B	B <sub>1</sub>	B <sub>2</sub>	M	Article no.
mm	mm	mm	mm	mm	System jaws
265	0 - 89	22 - 112	123 - 212	76	<b>80 898 225</b>
300	0 - 126	22 - 149	123 - 249	76	<b>80 898 225</b>

H5G



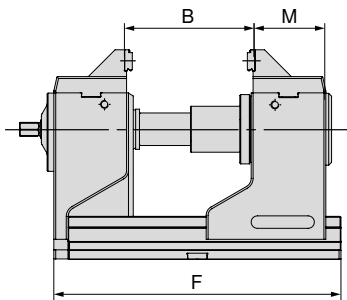
A	C	D	E
mm	mm	mm	mm
-	-	-	-
125	174	40	214

H5G-S



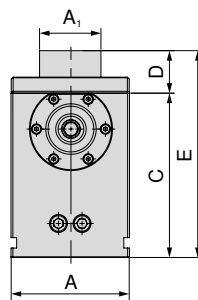
A	C	D	E
mm	mm	mm	mm
125	125	40	165
125	125	40	165

With 5A top jaws, jaw width 65 mm



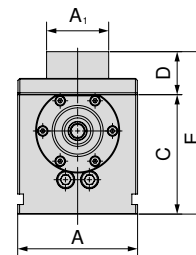
F	B	M	Article no.
mm	mm	mm	System jaws
265	16 - 105	79,5	<b>80 898 325</b>
300	16 - 142	79,5	<b>80 898 325</b>

H5G



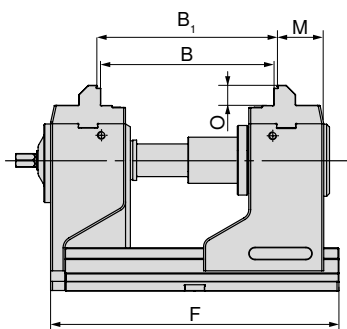
A	A <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
-	-	-	-	-
125	65	174	45	219

H5G-S



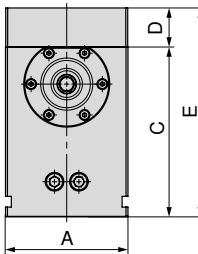
A	A <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
125	65	125	45	170
125	65	125	45	170

With 5A top jaws, jaw width 125 mm



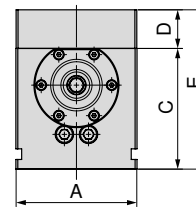
F	B	B <sub>1</sub>	O	M	Article no.
mm	mm	mm	mm	mm	System jaws
265	74 - 162	80 - 168	21	49	<b>80 907 300</b>
300	74 - 199	80 - 205	21	49	<b>80 907 300</b>

H5G



A	C	D	E
mm	mm	mm	mm
-	-	-	-
125	174	40	214

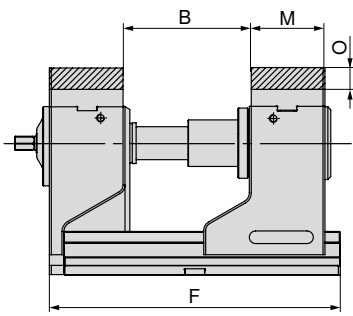
H5G-S



A	C	D	E
mm	mm	mm	mm
125	125	40	165
125	125	40	165

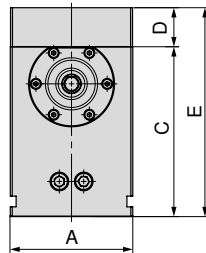
# H5G/H5G-S – Structural dimension table for the different jaws

with soft jaws



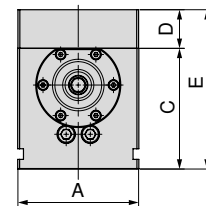
F	B	O	M	Article no.
mm	mm	mm	mm	System jaws
265	23 - 112	22	76	<b>80 898 625</b>
300	23 - 149	22	76	<b>80 898 625</b>

H5G



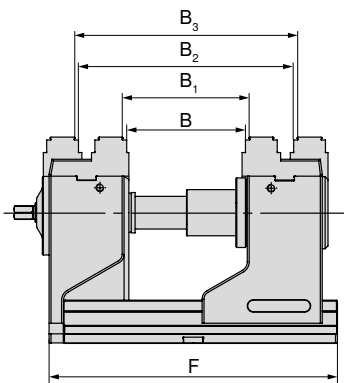
A	C	D	E
mm	mm	mm	mm
-	-	-	-
125	174	40	214

H5G-S



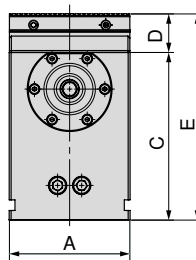
A	C	D	E
mm	mm	mm	mm
125	125	40	165
125	125	40	165

With indexable jaws, grip 3 mm



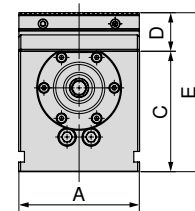
F	B	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	Article no.
mm	mm	mm	mm	mm	System jaws
265	17 - 106	23 - 112	117 - 206	123 - 212	<b>80 898 35000</b>
300	17 - 140	23 - 146	117 - 240	123 - 246	<b>80 898 35000</b>

H5G



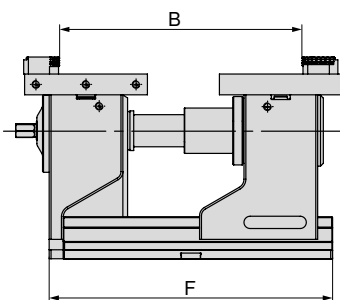
A	C	D	E
mm	mm	mm	mm
-	-	-	-
125	174	40	214

H5G-S



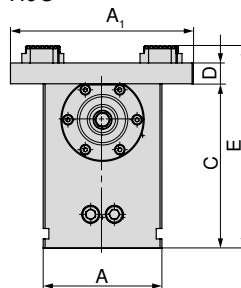
A	C	D	E
mm	mm	mm	mm
125	125	40	165
125	125	40	165

With pendulum and adapter plate



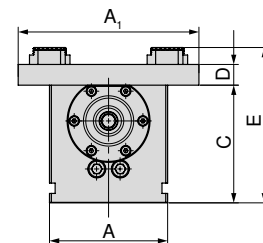
F	B	Article no.
mm	mm	System jaws
265	17 - 236	<b>80 898 525 + 80 898 425</b>
300	17 - 274	<b>80 898 525 + 80 898 425</b>

H5G



A	A <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
-	-	-	-	-
125	192	174	22	214

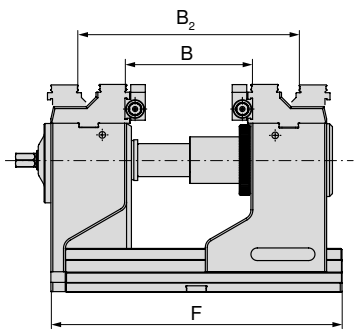
H5G-S



A	A <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
125	192	125	22	165
125	192	125	22	165

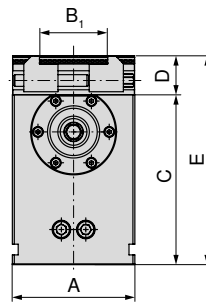
## H5G/H5G-S – Structural dimension table for the different jaws

With 6-face jaw system



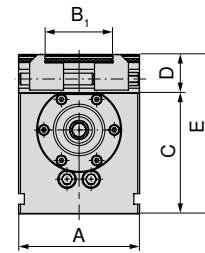
F	B	B <sub>2</sub>	O	M	Article no.
mm	mm	mm	mm	mm	System jaws
265	39-115	119-191	22	76	<b>80 898 230</b>
300	39-152	119-228	22	76	<b>80 898 230</b>

H5G



A	B <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
-	-	-	-	-
125	37-101	174	40	214

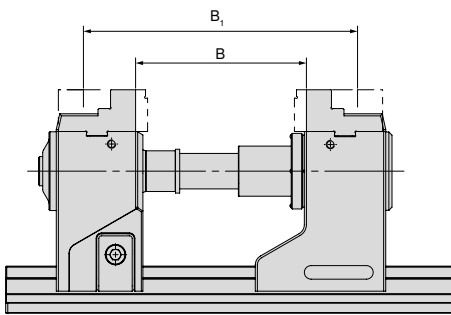
H5G-S



A	B <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
125	37-101	125	40	165
125	37-101	125	40	165

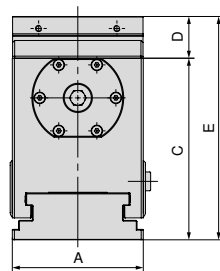
## H5G-Z/-S structural dimension table for the different jaws

With combi jaws



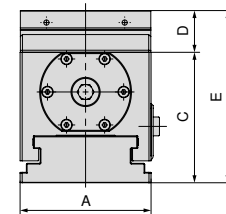
Variant	B	B <sub>1</sub>	Article no.
	mm	mm	System jaws
H5G-Z	57-182	157-282	<b>80 898 225</b>
H5G-Z-S	47-172	147-272	<b>80 898 225</b>

H5G-Z



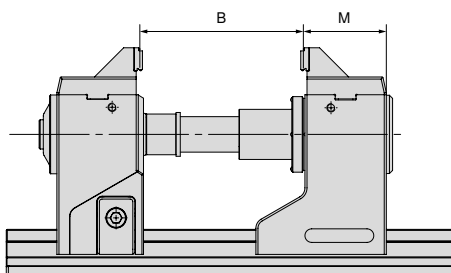
A	C	D	E
mm	mm	mm	mm
125	174	40	214
-	-	-	-

H5G-Z-S



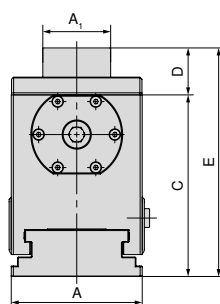
A	C	D	E
mm	mm	mm	mm
-	-	-	-
125	125	40	165

With 5A stepped top jaws



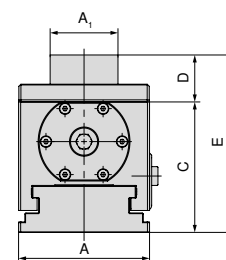
Variant	B	M	Article no.
	mm	mm	System jaws
H5G-Z	50-175	74	<b>80 898 325</b>
H5G-Z-S	40-165	74	<b>80 898 325</b>

H5G-Z



A	A <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
125	65	174	45	214
-	-	-	-	-

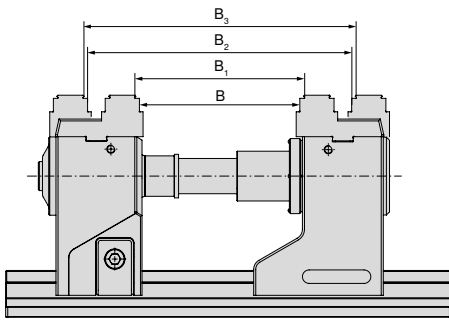
H5G-Z-S



A	A <sub>1</sub>	C	D	E
mm	mm	mm	mm	mm
-	-	-	-	-
125	65	125	45	165

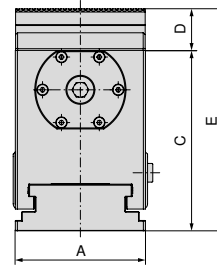
## H5G-Z/-S structural dimension table for the different jaws

With indexable jaw grip 3 mm and 16 mm smooth step



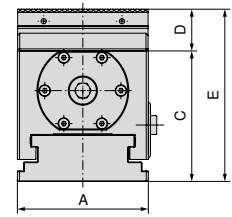
Variant	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	Article no. System jaws
H5G-Z	48-173	54-179	148-273	154-279	2 x <b>80 898 35000</b>
H5G-Z-S	38-173	44-169	138-263	144-269	2 x <b>80 898 35000</b>

H5G-Z



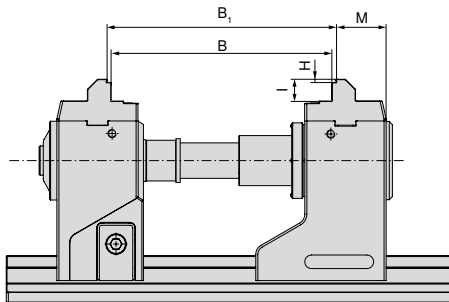
A mm	C mm	D mm	E mm
125	174	40	214
-	-	-	-

H5G-Z-S



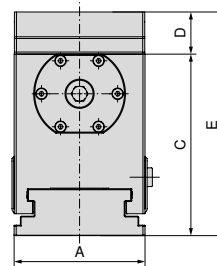
A mm	C mm	D mm	E mm
-	-	-	-
125	125	40	165

With 5A top jaw, jaw width 125 mm



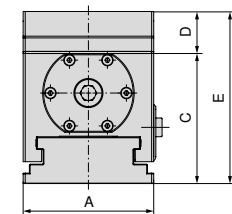
Variant	B mm	B <sub>1</sub> mm	H mm	I mm	M mm	Article no. System jaws
H5G-Z	105-230	111-236	3	21	48,7	2 x <b>80 907 300</b>
H5G-Z-S	95-220	101-226	3	21	48,7	2 x <b>80 907 300</b>

H5G-Z



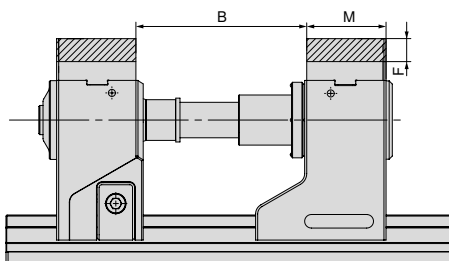
A mm	C mm	D mm	E mm
125	174	40	214
-	-	-	-

H5G-Z-S



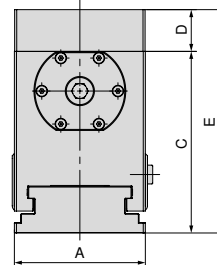
A mm	C mm	D mm	E mm
-	-	-	-
125	125	40	165

with soft jaws



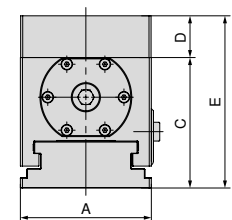
Variant	B mm	F mm	M mm	Article no. System jaws
H5G-Z	57-182	22	76	<b>80 898 625</b>
H5G-Z-S	47-172	22	76	<b>80 898 625</b>

H5G-Z



A mm	C mm	D mm	E mm
125	174	40	214
-	-	-	-

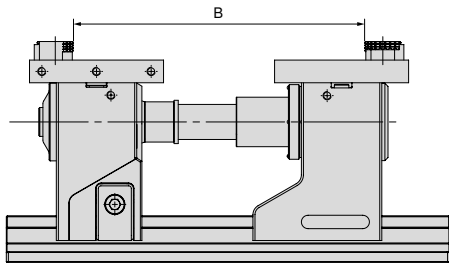
H5G-Z-S



A mm	C mm	D mm	E mm
-	-	-	-
125	125	40	165

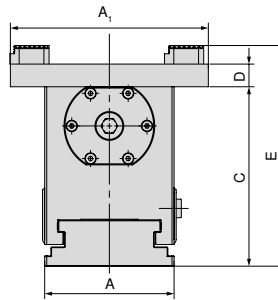
# H5G-Z/-S structural dimension table for the different jaws

With pendulum and adapter plate



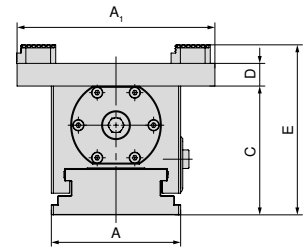
Variant	B mm	Article no. System jaws
H5G-Z	11 - 300	<b>80 898 525 + 80 898 425</b>
H5G-Z-S	11 - 290	<b>80 898 525 + 80 898 425</b>

H5G-Z



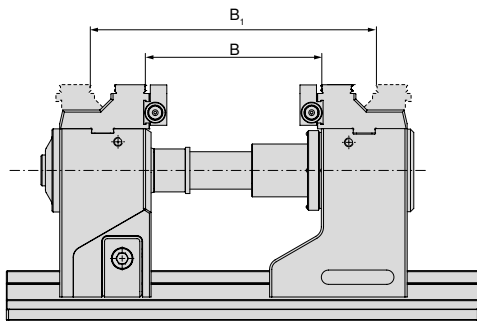
A mm	A <sub>1</sub> mm	C mm	D mm	E mm
125	192	174	40	214
-	-	-	-	-

H5G-Z-S



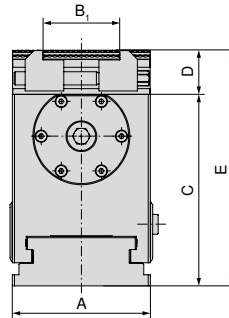
A mm	A <sub>1</sub> mm	C mm	D mm	E mm
-	-	-	-	-
125	192	125	40	165

With 6-face jaw system



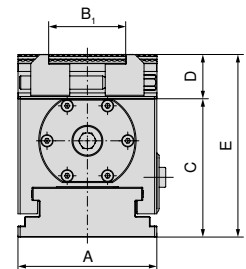
Variant	B mm	B <sub>2</sub> mm	Article no. System jaws
H5G-Z	52 - 177	152 - 277	<b>80 898 230</b>
H5G-Z-S	42 - 167	142 - 267	<b>80 898 230</b>

H5G-Z



A mm	B <sub>1</sub> mm	C mm	D mm	E mm
125	37 - 101	174	40	214
-	-	-	-	-

H5G-Z-S



A mm	B <sub>1</sub> mm	C mm	D mm	E mm
-	-	-	-	-
125	37 - 101	125	40	165

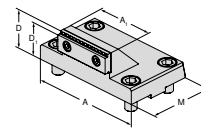


Clamping ranges also apply to 500 mm and 630 mm base bodies. Extended clamping ranges with drawbar extension possible. The specified clamping ranges can sometimes only be achieved using top jaws.

## System jaws overview

### 5A stepped top jaw

- ▲ including 125/65 mm attachment and 3 mm grip step
- ▲ price per piece



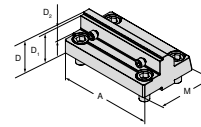
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125	65	45	42			76		

80 898 325

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	●									

### 5A – Top jaw

- ▲ Improved accessibility through tapered rear section
- ▲ Price per piece



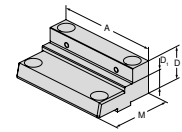
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40	37	18		78		

80 907 300

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	●									

### Combi reversable jaw

- ▲ to extend the clamping range
- ▲ Price per piece



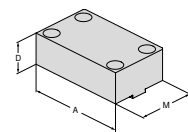
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40	22			76		

80 898 225

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	●									

### Soft Alu-jaw

- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40				76		

80 898 625

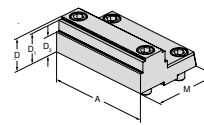
NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	●									



## System jaws overview

Indexable jaw, grip 3 mm, 16 mm smooth step, on both sides

▲ Price per piece



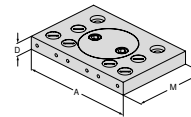
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40	37	24		82,5		

80 898 35000	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
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## Pendulum jaw, movable

▲ to accommodate 6-way reversible jaws

▲ Price per piece



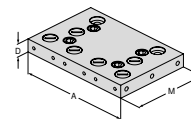
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	192		22				130		

80 898 525	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
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## Adapter plate

▲ to accommodate 6-way reversible jaws

▲ Price per piece

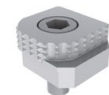
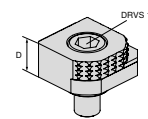


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	192		22				130		

80 898 425	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
------------	-----	---------------	------------	-------	-------	-------	-------	----------	-------	-------	-----

## 6 function indexable jaw

- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲ M<sub>max</sub> = 60 Nm
- ▲ Including fixation screws



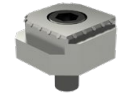
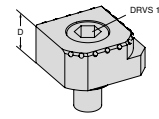
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
			18						

80 892 246	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
------------	-----	---------------	------------	-------	-------	-------	-------	----------	-------	-------	-----

## System jaws overview

### 6x indexable jaw, carbide grip

- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
			18						

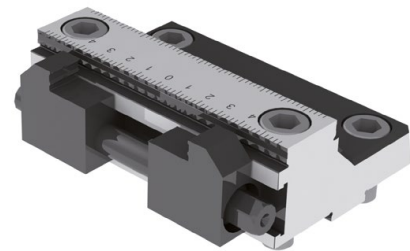
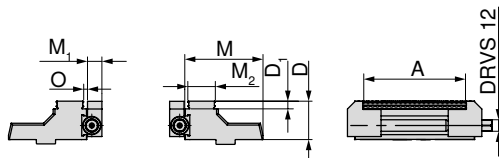
80 890 35300	•	•	•	•	•	•	•	•	•	•	
	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG

## 6 face jaw system for 125 mm jaw width

### Scope of supply:

2 System jaws with 2 pairs of transverse jaws in T-slot guidance incl. fixing screws

**H5G  
-S**



for width mm	A mm	D mm	D <sub>1</sub> mm	M mm	M <sub>1</sub> mm	M <sub>2</sub> mm	O mm	WT kg
125	37 - 101	40	8	81,5	15	28,7	3,2	4,5

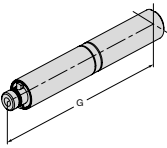

80 898 ...

230

## System accessories overview

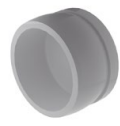
### Drawbar

▲ Incl. anti-rotation

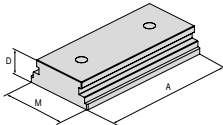
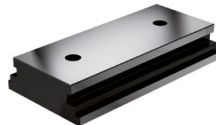
H5G	H5G -S			<b>80 898 ...</b>
H5G -Z				
<b>G</b> mm				
125				826
250				827

### Protection plugs

▲ Price per piece


H5G -Z		<b>80 907 ...</b>
<b>D<sub>1</sub></b> mm		
19		501

### Base plate to extend

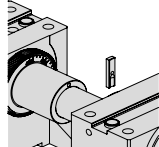

H5G			<b>80 898 ...</b>
<b>A</b> mm	<b>D</b> mm	<b>M</b> mm	
250	45	125,5	725

### Clamping lever

▲ including control accessories

NCG	NCG 5A		<b>80 890 ...</b>
H5G			
<b>DRVS</b> mm			
14			501

### Anti-twist plate

H5G	H5G -S			<b>80 898 ...</b>
H5G -Z	H5G -Z-S			
				024


### Clamping Handle with Joint

▲ without socket

H5G -Z	H5G -Z-S		<b>80 891 ...</b>
ESG 4	ESG mini		
ZSG 4			
<b>Square</b>			
1/2"			600

### Hand crank

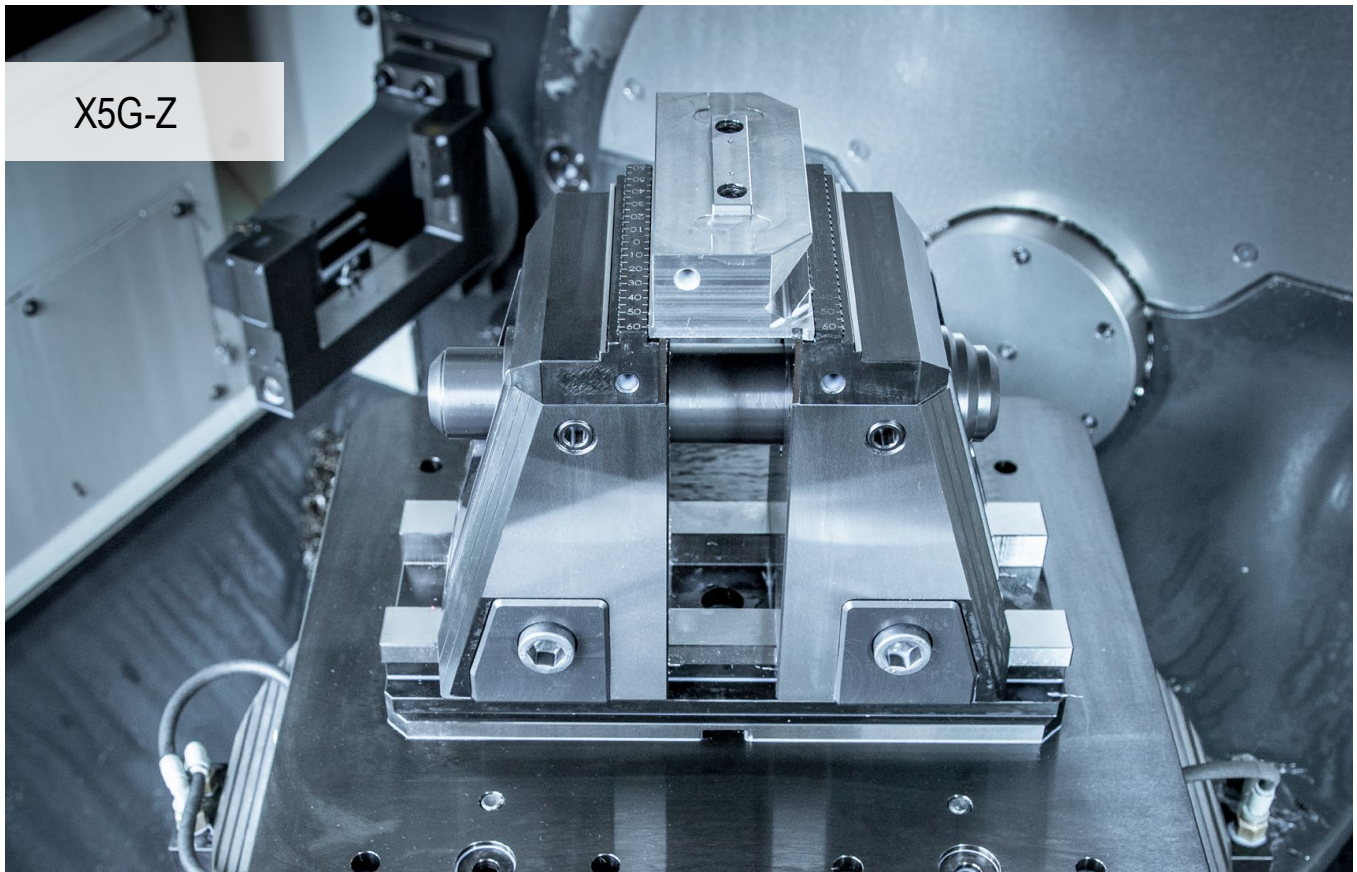
▲ for fast adjustment

	H5G-Z X5G-Z	H5G-S H5G-Z-S	H5G	
	<b>80 907 ...</b>	<b>80 898 ...</b>	<b>80 898 ...</b>	
<b>DRVS</b> mm				
14	500	026	025	

### Socket

▲ Suitable for 1/2" or 3/8" square drive

H5G -Z	ESG mini		<b>80 877 ...</b>
MSG 2	Verso		
MNG			
<b>Square</b>	<b>DRVS</b> mm		
1/2"	14		214



## 5-axis machining to perfection

Maximum ease of handling and integrated pull-down action for 6-sided machining. X5G-Z is the new 5-axis vice from CERATIZIT. All the advantages that ensure optimum and simple 5- and 6-sided machining combined in a single clamping device.

### Your benefits:

- ▲ Either 5 and 6-axis machining thanks to clamping of one or both supporting jaws
- ▲ Fast jaw changeover without tools
- ▲ Optimum accessibility from all sides and large base clamping stroke of 130 mm
- ▲ Fully encapsulated, mechanical spindle
- ▲ Integrated, internal elastomer damping to minimise vibrations
- ▲ Extensive modular jaw range



### Clamping/aligning:



Clamping with two dowel screws dia. 12<sub>H7</sub> / M12 and clamping screws **Article no. 80 895 019**



Alignment through 20<sup>H7</sup> precision slot nuts in the base body in the machine table's T-slot. Clamping with clamping claws.



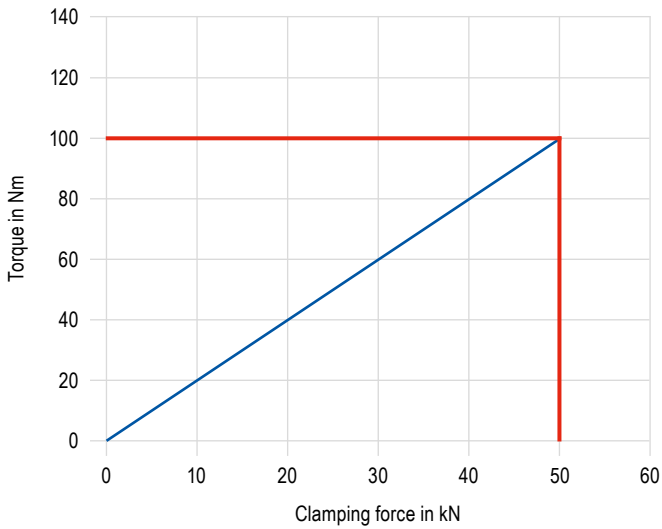
Alignment and clamping with MNG zero point clamping system (2-3 mounting bolts). **Optional:** Positioning and fixing holes at the customer's request.

Clamping force:

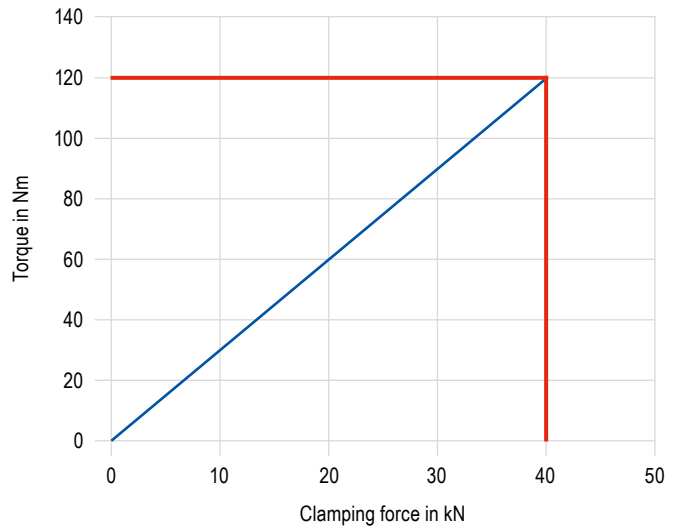
Size		Max. tightening torque in Nm	max. clamping force in kN
X5G-Z	Blank clamping	100	50
X5G-Z	Precision clamping	120	40
X5G-Z-S	Blank clamping	100	50
X5G-Z-S	Precision clamping	120	34

X5G-Z tightening torque/clamping force

Blank clamping

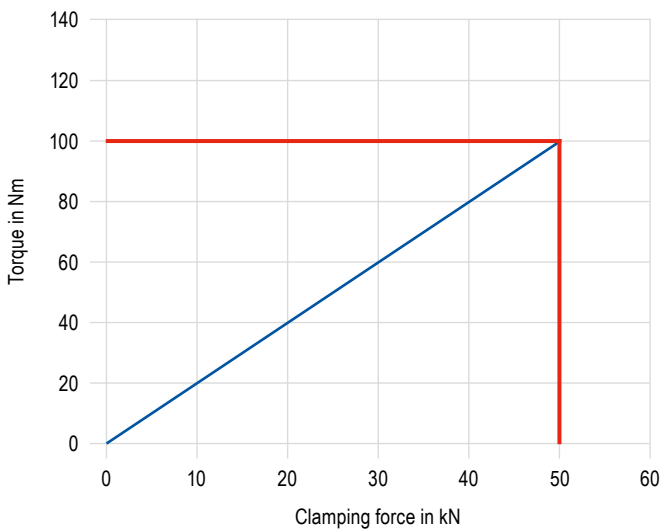


Precision clamping

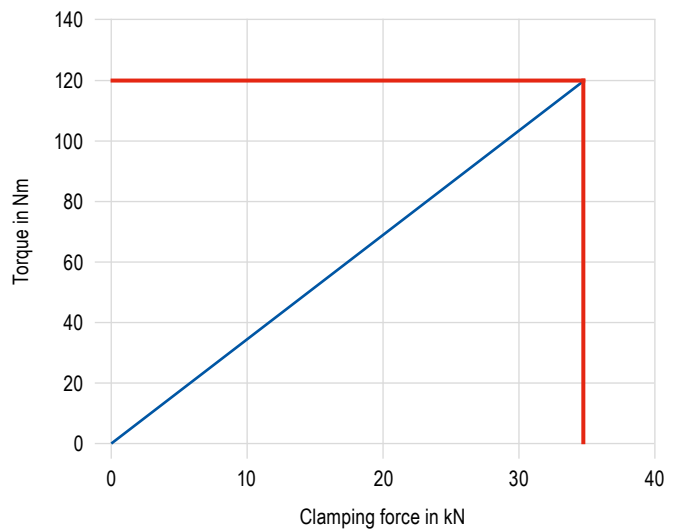


X5G-Z-S tightening torque/clamping force

Blank clamping

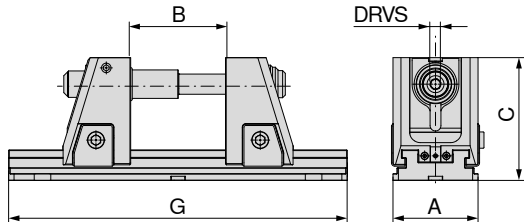
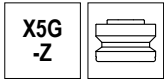


Precision clamping



## SoloClamp – X5G-Z

- ▲ Mechanical 5-axis vice with movable fixed jaws, 181 mm height
- ▲ Without system jaws
- ▲ Optimum accessibility
- ▲ 5- and 6-sided machining possible
- ▲ Fast jaw changeover
- ▲ Clamping on the machine table is possible with MNG/PNG, or directly through the base body



80 908 ...

A	B	C	G	DRVS	MXC	WT	
mm	mm	mm	mm	mm	kN	kg	
125	4 - 134	181	330	14	40	33,2	52500
125	4 - 234	181	430	14	40	36,1	52600
125	4 - 304	181	500	14	40	38,1	52700
125	4 - 434	181	630	14	40	41,8	52800
125	4 - 604	181	800	14	40	46,6	52900

Basic clamping stroke 130 mm

→ **Page 48**  
Here you will find the additional drawbar extensions that must be used to reach the maximum clamping ranges.

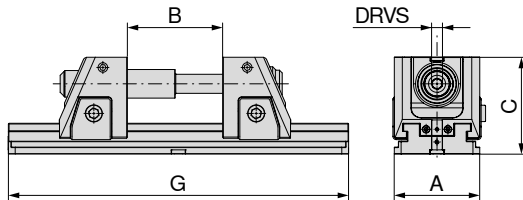
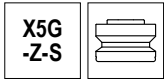
→ **Page 42–44**  
Here you will find the structural dimension tables for the different jaws.

### Vice guide

Underside Dimensions	41	System accessories	45
MNG-/PNG zero point clamping system	134–163	General accessories	164–183

# SoloClamp – X5G-Z-S

- ▲ Mechanical 5-axis vice with movable fixed jaws, 142 mm height
- ▲ Without system jaws
- ▲ Optimum accessibility
- ▲ 5- and 6-sided machining possible
- ▲ Fast jaw changeover
- ▲ Clamping on the machine table is possible with MNG/PNG, or directly through the base body



80 908 ...

A	B	C	G	DRVS	MXC	WT	
mm	mm	mm	mm	mm	kN	kg	
125	4 - 134	142	330	14	40	27,3	42500
125	4 - 234	142	430	14	40	30,2	42600
125	4 - 304	142	500	14	40	32,2	42700
125	4 - 434	142	630	14	40	35,9	42800
125	4 - 604	142	800	14	40	40,7	42900

Basic clamping stroke 130 mm

→ **Page 48**  
Here you will find the additional drawbar extensions that must be used to reach the maximum clamping ranges.

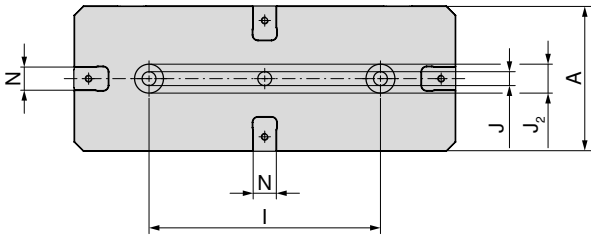
→ **Page 42–44**  
Here you will find the structural dimension tables for the different jaws.

*Vice guide*

Underside Dimensions	41	System accessories	45
MNG-/PNG zero point clamping system	134–163	General accessories	164–183

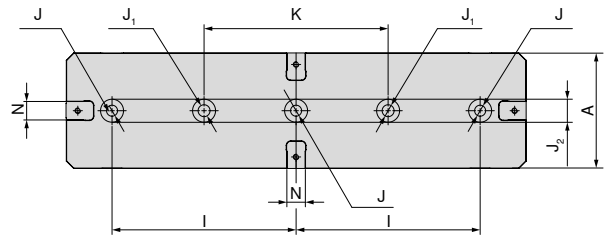
### X5G-Z/-S underside dimensions

Base width 125 mm and 330 mm length



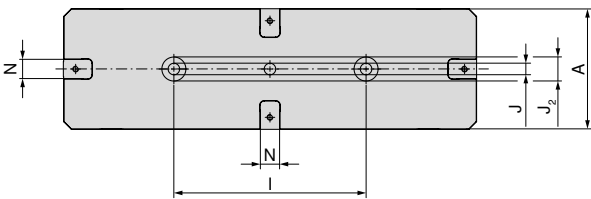
A	I <sub>±0.02</sub>	J <sub>H7</sub>	J <sub>2 H6</sub>	N <sub>H7</sub>
mm	mm	mm	mm	mm
125	200	12	25	20

Base width 125 mm and 630 mm length



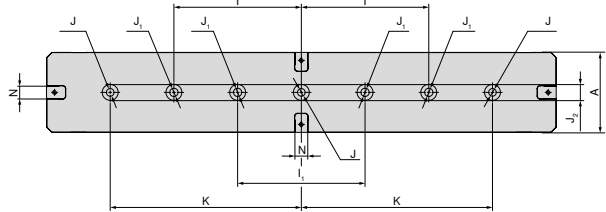
A	I <sub>±0.02</sub>	J <sub>H7</sub>	J <sub>1</sub>	J <sub>2 H6</sub>	K <sub>±0.02</sub>	N <sub>H7</sub>
mm	mm	mm	mm	mm	mm	mm
125	200	12	13	25	200	20

Base width 125 mm and 430 mm length



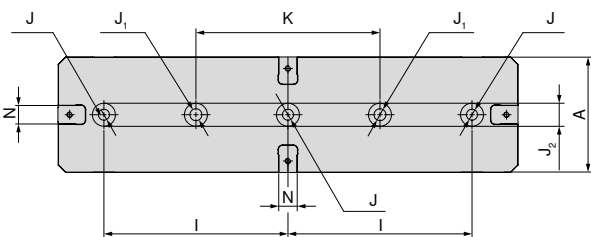
A	I <sub>±0.02</sub>	J <sub>H7</sub>	J <sub>2 H6</sub>	N <sub>H7</sub>
mm	mm	mm	mm	mm
125	200	12	25	20

Base width 125 mm and 800 mm length



A	I <sub>±0.02</sub>	I <sub>1 ±0.02</sub>	J <sub>H7</sub>	J <sub>1</sub>	J <sub>2 H6</sub>	K <sub>±0.02</sub>	N <sub>H7</sub>
mm	mm	mm	mm	mm	mm	mm	mm
125	200	200	12	13	25	300	20

Base width 125 mm and 500 mm length

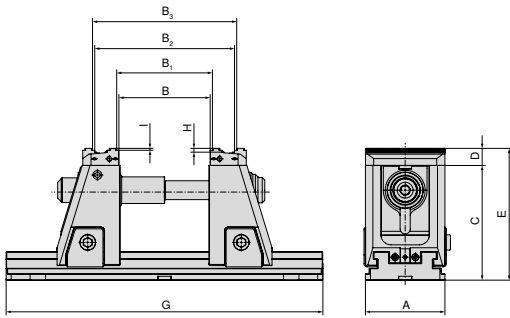


A	I <sub>±0.02</sub>	J <sub>H7</sub>	J <sub>1</sub>	J <sub>2 H6</sub>
mm	mm	mm	mm	mm
125	200	12	13	25



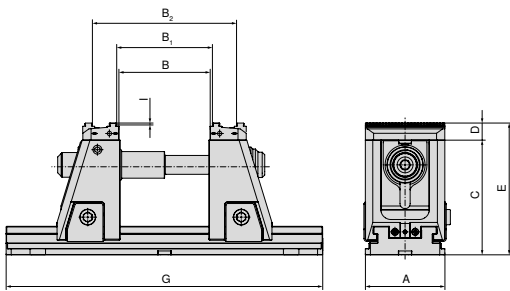
# X5G-Z/-S structural dimension table for the different jaws

With indexable jaws, grip 3 mm



Type	Drawbar 430 mm 80 908 80000	Drawbar 500 mm 80 908 80100	Drawbar 630 mm 80 908 80200	Drawbar 800 mm 80 908 80300	A	B	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	C	D	E	G	H	I
80 908 52500					125	5-134	12-141	80-210	88-217	181	27	208	330	6	3
80 908 42500					125	5-134	12-141	80-210	88-217	142	27	169	330	6	3
80 908 52600	1 x				125	5-234	12-241	80-310	88-317	181	27	208	430	6	3
80 908 42600	1 x				125	5-234	12-241	80-310	88-317	142	27	169	430	6	3
80 908 52700	1 x	1 x			125	5-304	12-311	80-380	88-387	181	27	208	500	6	3
80 908 42700	1 x	1 x			125	5-304	12-311	80-380	88-387	142	27	169	500	6	3
80 908 52800	1 x	1 x	1 x		125	5-434	12-441	80-510	88-517	181	27	208	630	6	3
80 908 42800	1 x	1 x	1 x		125	5-434	12-441	80-510	88-517	142	27	169	630	6	3
80 908 52900	1 x	1 x	1 x	1 x	125	5-604	12-611	80-680	88-687	181	27	208	800	6	3
80 908 42900	1 x	1 x	1 x	1 x	125	5-604	12-611	80-680	88-687	142	27	169	800	6	3

With indexable jaws, grip 5 mm



Type	Drawbar 430 mm 80 908 80000	Drawbar 500 mm 80 908 80100	Drawbar 630 mm 80 908 80200	Drawbar 800 mm 80 908 80300	A	B	B <sub>1</sub>	B <sub>2</sub>	C	D	E	G	I
80 908 52500					125	5-134	12-141	88-217	181	27	208	330	5
80 908 42500					125	5-134	12-141	88-217	142	27	169	330	5
80 908 52600	1 x				125	5-234	12-241	88-317	181	27	208	430	5
80 908 42600	1 x				125	5-234	12-241	88-317	142	27	169	430	5
80 908 52700	1 x	1 x			125	5-304	12-311	88-387	181	27	208	500	5
80 908 42700	1 x	1 x			125	5-304	12-311	88-387	142	27	169	500	5
80 908 52800	1 x	1 x	1 x		125	5-434	12-441	88-517	181	27	208	630	5
80 908 42800	1 x	1 x	1 x		125	5-434	12-441	88-517	142	27	169	630	5
80 908 52900	1 x	1 x	1 x	1 x	125	5-604	12-611	88-687	181	27	208	800	5
80 908 42900	1 x	1 x	1 x	1 x	125	5-604	12-611	88-687	142	27	169	800	5

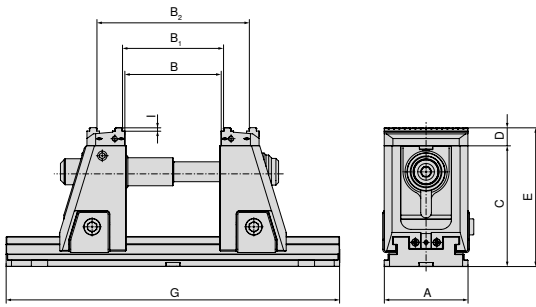


→ Page 48

Here you will find the suitable drawbar extensions.

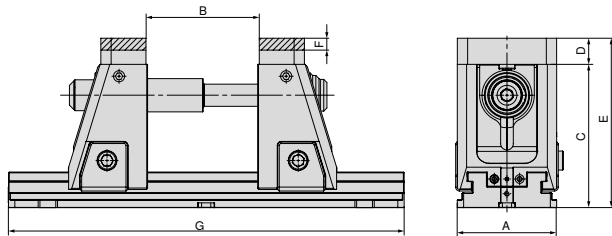
# X5G-Z/-S structural dimension table for the different jaws

With stepped jaws, carbide grip 5 mm



Type	Drawbar 430 mm 80 908 80000	Drawbar 500 mm 80 908 80100	Drawbar 630 mm 80 908 80200	Drawbar 800 mm 80 908 80300	A	B	B <sub>1</sub>	B <sub>2</sub>	C	D	E	G	I
80 908 52500					125	5-134	12-141	88-217	181	27	208	330	5
80 908 42500					125	5-134	12-141	88-217	142	27	169	330	5
80 908 52600	1 x				125	5-234	12-241	88-317	181	27	208	430	5
80 908 42600	1 x				125	5-234	12-241	88-317	142	27	169	430	5
80 908 52700	1 x	1 x			125	5-304	12-311	88-387	181	27	208	500	5
80 908 42700	1 x	1 x			125	5-304	12-311	88-387	142	27	169	500	5
80 908 52800	1 x	1 x	1 x		125	5-434	12-441	88-517	181	27	208	630	5
80 908 42800	1 x	1 x	1 x		125	5-434	12-441	88-517	142	27	169	630	5
80 908 52900	1 x	1 x	1 x	1 x	125	5-604	12-611	88-687	181	27	208	800	5
80 908 42900	1 x	1 x	1 x	1 x	125	5-604	12-611	88-687	142	27	169	800	5

With soft jaws, steel



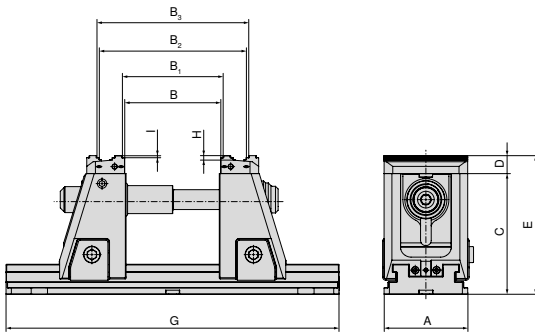
Article no.  
System jaws

2 x 80 909 31200

Type	Drawbar 430 mm 80 908 80000	Drawbar 500 mm 80 908 80100	Drawbar 630 mm 80 908 80200	Drawbar 800 mm 80 908 80300	A	B	C	D	E	F	G
80 908 52500					125	4-134	181	33	214	15	330
80 908 42500					125	4-134	142	33	175	15	330
80 908 52600	1 x				125	4-234	181	33	214	15	430
80 908 42600	1 x				125	4-234	142	33	175	15	430
80 908 52700	1 x	1 x			125	4-304	181	33	214	15	500
80 908 42700	1 x	1 x			125	4-304	142	33	175	15	500
80 908 52800	1 x	1 x	1 x		125	4-434	181	33	214	15	630
80 908 42800	1 x	1 x	1 x		125	4-434	142	33	175	15	630
80 908 52900	1 x	1 x	1 x	1 x	125	4-604	181	33	214	15	800
80 908 42900	1 x	1 x	1 x	1 x	125	4-604	142	33	175	15	800

# X5G-Z/-S structural dimension table for the different jaws

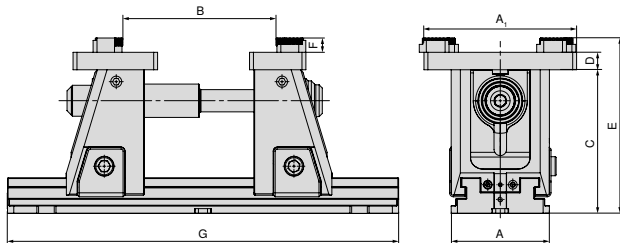
With indexable jaws embossed profile



Article no.  
System jaws  
2 x **80 908 31200**

Type	Drawbar 430 mm 80 908 80000	Drawbar 500 mm 80 908 80100	Drawbar 630 mm 80 908 80200	Drawbar 800 mm 80 908 80300	A	B	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	C	D	E	G	H	I
80 908 52500					125	5-134	12-141	82-210	89-217	181	27	208	330	6	3
80 908 42500					125	5-134	12-141	82-210	89-217	142	27	169	330	6	3
80 908 52600	1 x				125	5-234	12-241	82-310	89-317	181	27	208	430	6	3
80 908 42600	1 x				125	5-234	12-241	82-310	89-317	142	27	169	430	6	3
80 908 52700	1 x	1 x			125	5-304	12-311	82-380	89-387	181	27	208	500	6	3
80 908 42700	1 x	1 x			125	5-304	12-311	82-380	89-387	142	27	169	500	6	3
80 908 52800	1 x	1 x	1 x		125	5-434	12-441	82-510	89-517	181	27	208	630	6	3
80 908 42800	1 x	1 x	1 x		125	5-434	12-441	82-510	89-517	142	27	169	630	6	3
80 908 52900	1 x	1 x	1 x	1 x	125	5-604	12-611	82-680	89-687	181	27	208	800	6	3
80 908 42900	1 x	1 x	1 x	1 x	125	5-604	12-611	82-680	89-687	142	27	169	800	6	3

With pendulum and adapter plate



Article no.  
System jaws  
**80 909 31500 + 80 909 31300**

Type	Drawbar 430 mm 80 908 80000	Drawbar 500 mm 80 908 80100	Drawbar 630 mm 80 908 80200	Drawbar 800 mm 80 908 80300	A	B	C	D	E	F	G
80 908 52500					125	42-210	181	22	221	18	330
80 908 42500					125	42-210	142	22	182	18	330
80 908 52600	1 x				125	42-310	181	22	221	18	430
80 908 42600	1 x				125	42-310	142	22	182	18	430
80 908 52700	1 x	1 x			125	42-380	181	22	221	18	500
80 908 42700	1 x	1 x			125	42-380	142	22	182	18	500
80 908 52800	1 x	1 x	1 x		125	42-510	181	22	221	18	630
80 908 42800	1 x	1 x	1 x		125	42-510	142	22	182	18	630
80 908 52900	1 x	1 x	1 x	1 x	125	42-680	181	22	221	18	800
80 908 42900	1 x	1 x	1 x	1 x	125	42-680	142	22	182	18	800

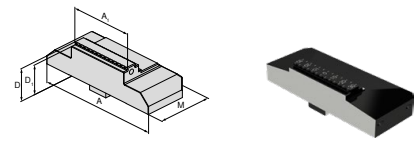


→ Page 48  
Here you will find the suitable drawbar extensions.

## System jaws overview

### Indexable grip jaw, 3 mm

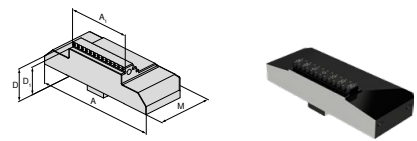
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
125	125	40	27	24			57			80 908 30300			●										
125	125	65	27	24			57			80 908 30200			●										
125	125	80	27	24			57			80 908 30100			●										
125	125	125	27	24			57			80 908 30000			●										

### Indexable grip jaw, 5 mm

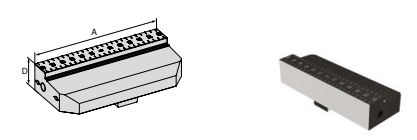
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
125	125	40	27	22			57			80 908 30700			●										
125	125	65	27	22			57			80 908 30600			●										
125	125	80	27	22			57			80 908 30500			●										
125	125	125	27	22			57			80 908 30400			●										

### Indexable smooth jaw

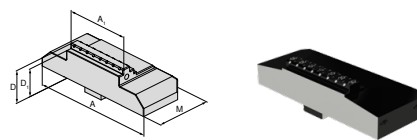
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
125	125		27							80 908 31400			●										

### Stepped jaw, carbide grip 5 mm

▲ Price per piece

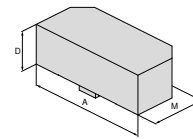


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
125	125	40	27	22			57			80 908 31100			●										
125	125	65	27	22			57			80 908 31000			●										
125	125	80	27	22			57			80 908 30900			●										
125	125	125	27	22			57			80 908 30800			●										

## System jaws overview

### Soft jaw, steel

- ▲ Material: 16MnCr5
- ▲ Price per piece

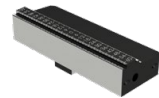
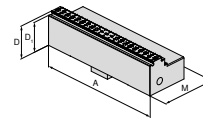


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		33				57		

80 909 31200	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			●								

### Indexable jaw embossed profile

- ▲ Price per piece
- ▲ suitable for LANG embossed profile

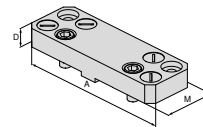


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		27	24			57		

80 908 31200	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			●								

### Adapter plate

- ▲ for holding 6-function indexable jaws
- ▲ Price per piece
- ▲ incl. cover screws

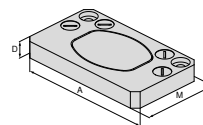


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	180		22				104		

80 909 31500	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			●								

### Floating jaw

- ▲ for holding 6-function indexable jaws
- ▲ Price per piece
- ▲ incl. cover screws



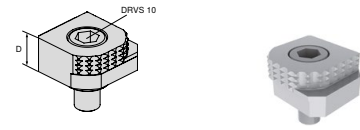
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	180		22				62		

80 909 31300	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			●								

# System jaws overview

## 6 function indexable jaw

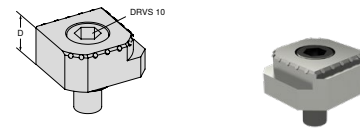
- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲  $M_{max} = 60 \text{ Nm}$
- ▲ Including fixation screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18								80 892 246	●	●	●	●			●		●	●	

## 6x indexable jaw, carbide grip

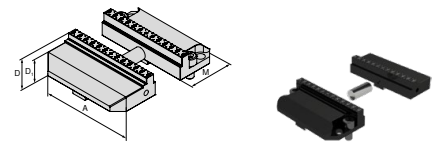
- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18								80 890 35300	●	●	●	●			●		●	●	

## Precision jaw

- ▲ Price per set

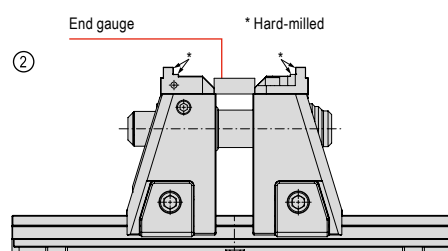
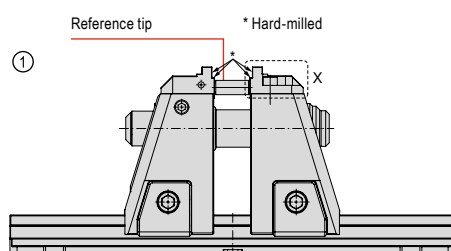


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125	125		27	24			57				80 908 31300		●									

### Procedure for hardened precision jaw set

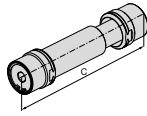
The X5G-Z impresses with its extreme accuracy. All the components have been ground or hard-milled to a high level of precision. Despite this, there are still applications whereby the precision requirements cannot be satisfied in full due to the tolerance chain of the indexable grip jaws. For these situations we offer a hardened precision jaw set (article no. **80 908 31300**) that can be hard-milled by the customer on the clamping flat (both sides).

Hard machining is carried out in the precision vice (both screws on the supporting jaws tightened to 140 Nm). The precision jaws must be hard-milled as per the views shown (1+2). The reference tip supplied is used for clamping in the standard position (1). An end gauge can be used for clamping in the increased clamping range position (2).



## System accessories overview

### Spindle unit X5G-Z



C mm	WT kg
227,5	2,5

**80 908 ...**  
50100

### Hand crank

- ▲ Version with external hex
- ▲ For quick adjustment

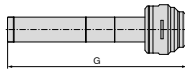


H5G-Z  
X5G-Z  
**80 907 ...**

for width mm	DRVS mm
125	14

500

### Drawbar



for width mm	G mm
125	430
125	500
125	630
125	800

**80 908 ...**  
80000  
80100  
80200  
80300

### Socket



Square	DRVS mm
1/2"	14

**80 877 ...**

214

### Torque Wrench

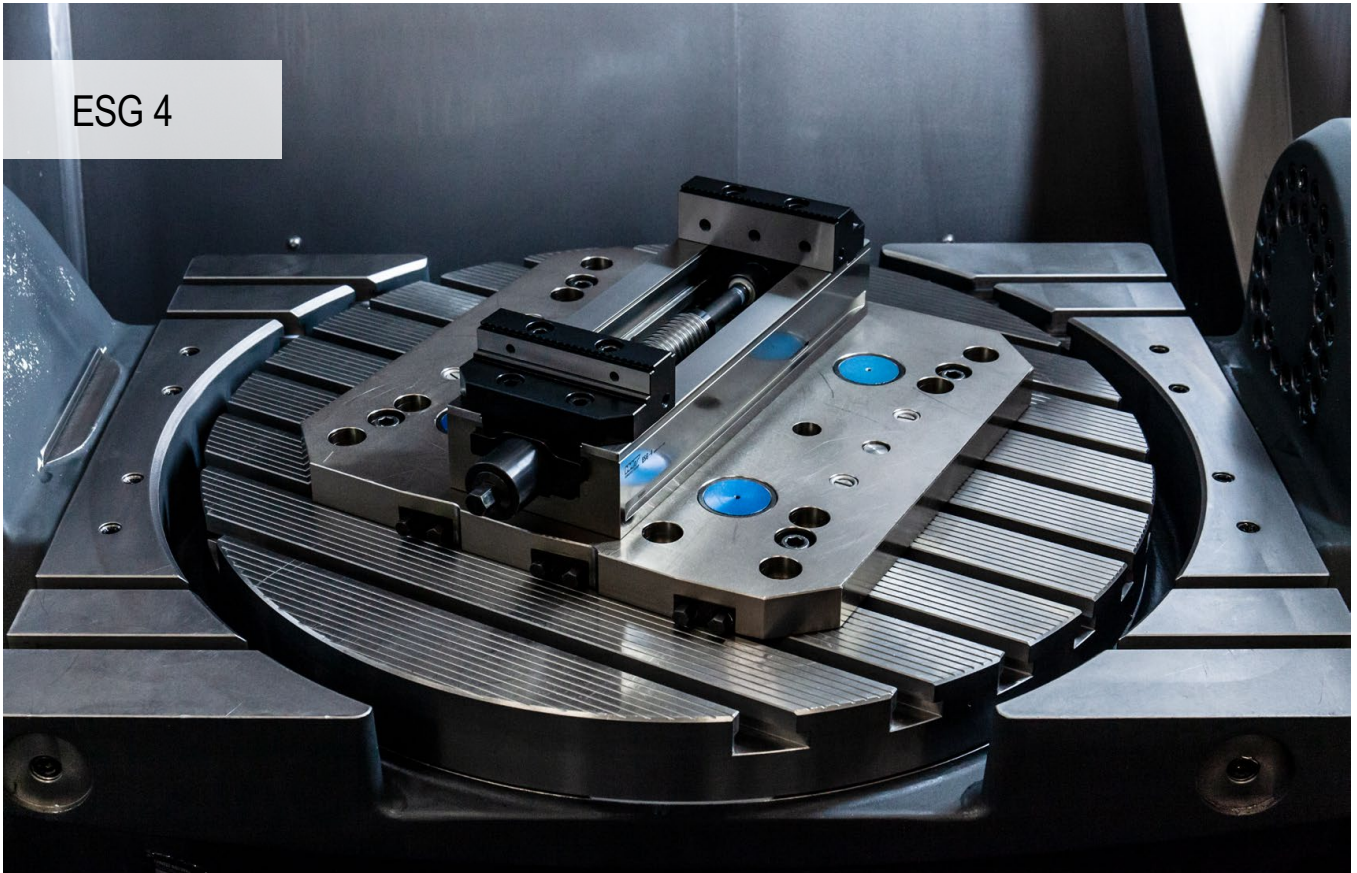
- ▲ without socket



**80 884 ...**  
502

Square	TQX Nm
1/2"	10 - 100

## ESG 4



## Highly-efficient all-rounder for machining unfinished and finished parts

The ESG 4 single vice impresses with fast handle clamping, quick setting of the clamping range, a flat design and low weight.

### Your benefits:

- ▲ Several cooling lubricant flows for problem-free working and controlled outflow
- ▲ Quick and easy positioning on the MNG zero point clamping system
- ▲ High clamping force between 5 – 50 kN with low tightening torque
- ▲ Quick and easy jaw change with 2 screws
- ▲ Quick, simple disassembly of the spindle unit
- ▲ Extensive modular jaw range

### Clamping/aligning:



ESG 4 – 80 mm = mounting with M8 screws through the base body  
ESG 4 – 125 mm / 160 mm = mounting with M12 screws and dowel screws through the base body



Mounting with 4 clamping claws  
**Article no. 80 890 315**

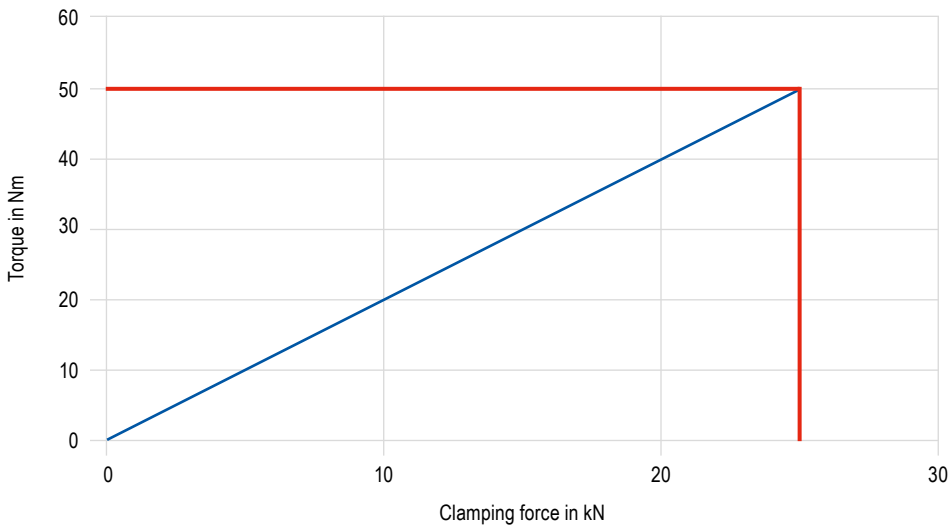


Mounting with zero point clamping systems  
ESG 4 – 80 mm = 1 mounting bolt + anti-twist protection  
ESG 4 – 125 / 160 mm = 2 mounting bolts, centre distance 200 mm

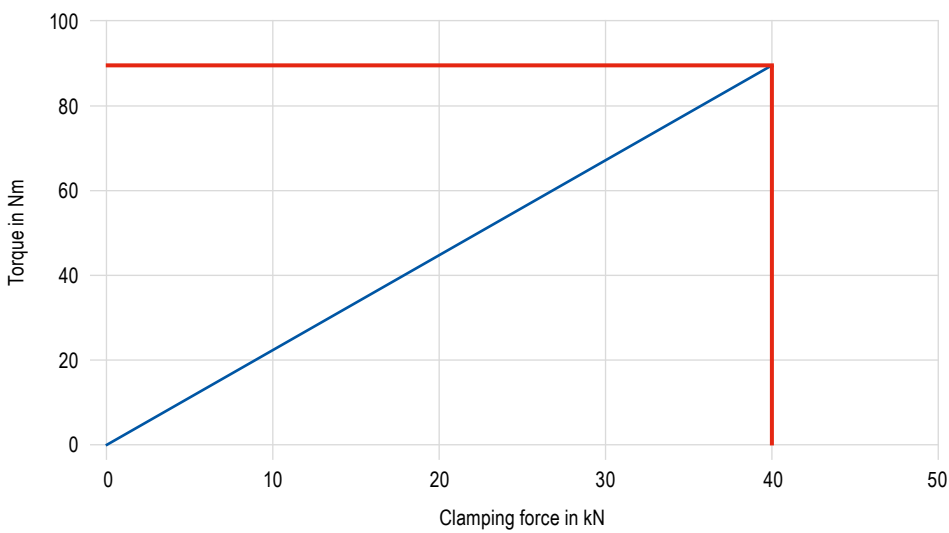


Clamping force:

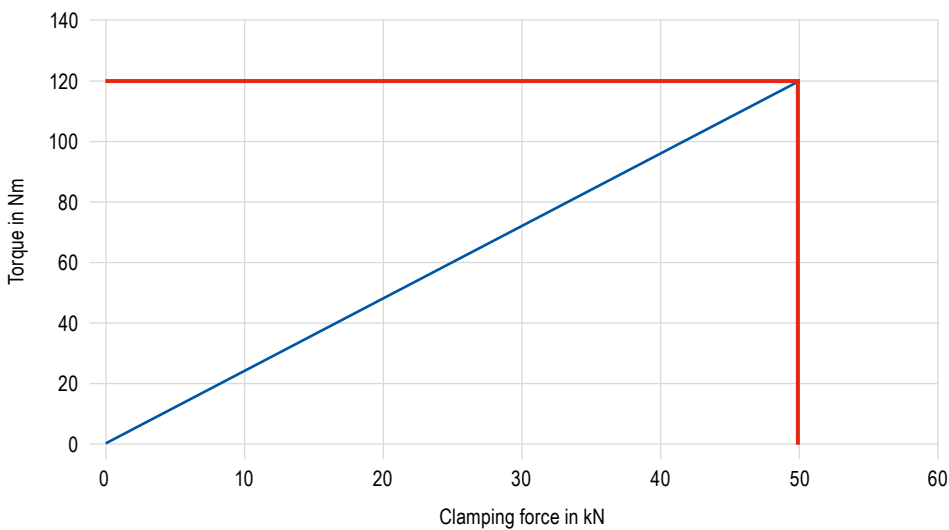
ESG 4 – 80 mm tightening torque / clamping force



ESG 4 – 125 mm tightening torque/clamping force

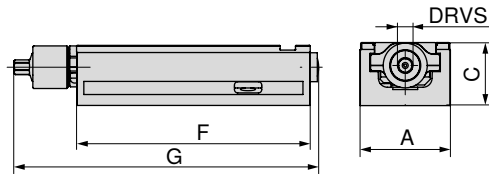


ESG 4 – 160 mm tightening torque / clamping force



# SoloClamp – ESG 4

- ▲ Single vice without system jaws
- ▲ Fast 160° handle clamping with torque key
- ▲ Rapid installation and removal of the spindle assembly
- ▲ ±0.01 mm repeatability (±0.015 mm when A = 160 mm)



80 901 ...

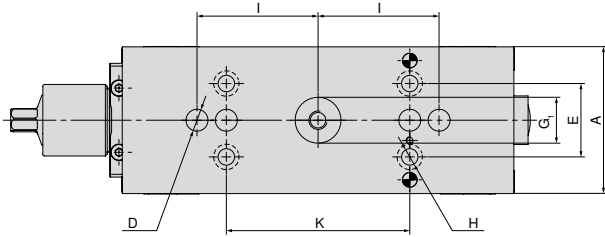
A mm	C <sub>-0.02</sub> mm	F mm	G mm	DRVS mm	MXC kN	WT kg	clamping range mm	
80	55	214	284	12	25	5,0	0-192	080
125	60	362	433	14	40	15,0	0-308	125
160	70	480	559	14	50	28,5	0-434	160

*Vice guide*

Underside Dimensions	52	Structural dimension tables for the different jaws	53+54
System accessories	55–58	MNG-/PNG zero point clamping system	134–163
General accessories	164–183		

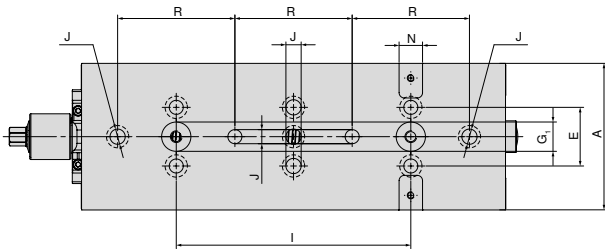
## ESG 4 underside dimensions

Base width 80 mm and length 214 mm



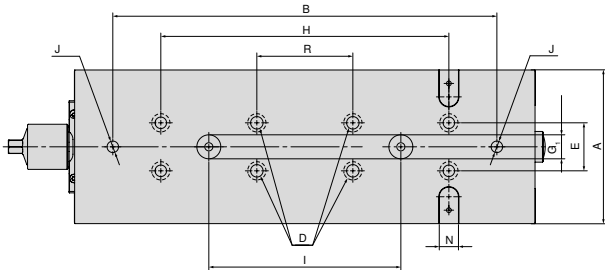
A	D	E	G <sub>1</sub>	H	I	K
mm	mm	mm	mm	mm	mm	mm
80	12	40	25	9	66	100

Base width 125 mm and length 362 mm



A	E	G <sub>1</sub>	I	J	N <sub>H7</sub>	R
mm	mm	mm	mm	mm	mm	mm
125	50	25	200	13	20	100

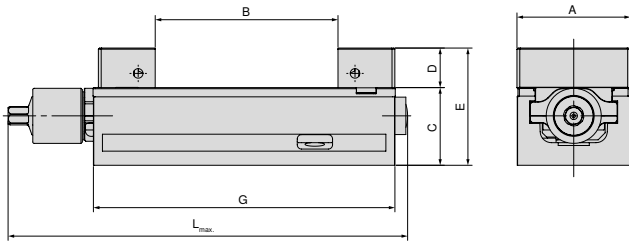
Base width 160 mm and length 480 mm



A	B	D	E	G <sub>1</sub>	H	I	J	N <sub>H7</sub>	R
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
160	400	13	50	25	300	200	12	20	100

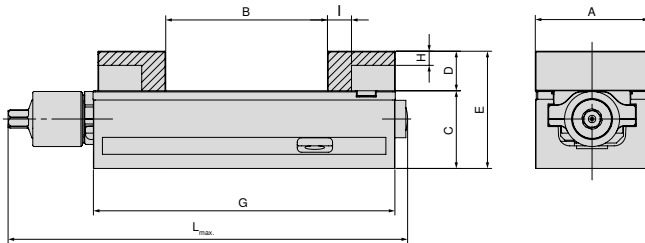
## ESG 4 structural dimension table for the different jaws

With block jaws



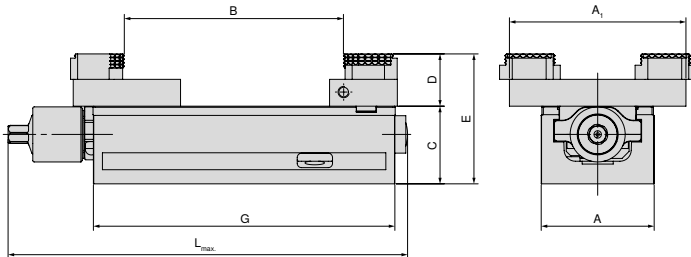
A mm	B mm	C mm	D mm	E mm	G mm	L <sub>max.</sub> mm	Article no. System jaws		
80	0 - 130	55	28	83	214	308	80 901 31200	+	80 901 31300
125	0 - 231	60	40	100	362	432	80 901 31400	+	80 901 31500
160	0 - 312	70	50	120	480	559	80 901 31600	+	80 901 31700

With soft alu jaws



A mm	B mm	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max.</sub> mm	Article no. System jaws	
80	0 - 115	55	28	83	214	10	17	284	80 901 307	+ 80 878 850
125	0 - 219	60	40	100	362	23	27	432	80 901 304	+ 80 878 550
160	0 - 309	70	50	120	480	23	30	559	80 901 301	+ 80 878 305

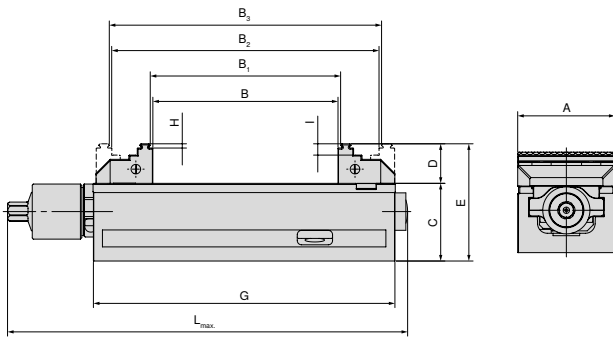
With pendulum and adapter plate



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	G mm	L <sub>max.</sub> mm	Article no. System jaws		
80	125	5 - 155	55	19	92	214	284	80 878 870	+	80 901 501
125	180	4 - 306	60	22	100	362	432	80 878 570	+	80 901 502
160	256	11 - 463	70	22	110	480	559	80 878 670	+	80 901 503

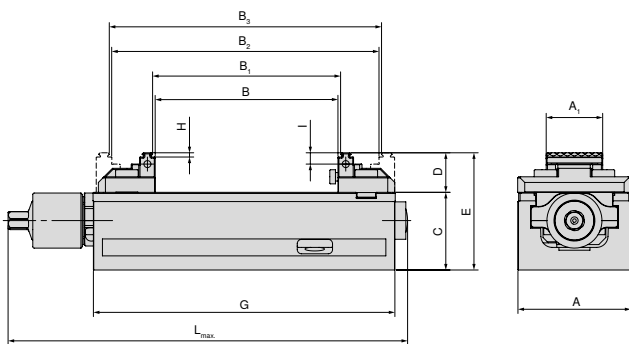
## ESG 4 structural dimension table for the different jaws

With indexable jaws, grip 3 mm



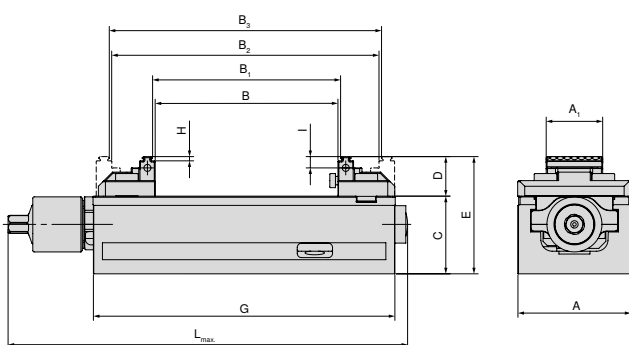
A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws	
80	0 - 130	4 - 134	59 - 188	63 - 192	55	28	83	214	3	8	284	80 901 306	+ 80 878 810
125	0 - 231	8 - 238	71 - 301	78 - 308	60	40	100	362	3	18	433	80 901 302	+ 80 901 303
160	0 - 310	8 - 317	117 - 427	125 - 434	70	50	120	480	3	10	559	80 901 300	+ 80 878 610

With indexable jaws, grip 3 mm, width 40 mm



A mm	A <sub>1</sub> mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws	
80	40	0 - 130	4 - 134	59 - 188	63 - 192	55	28	83	214	3	8	284	80 901 308	+ 80 878 81900

With indexable jaws, grip 3 mm, height 65 mm

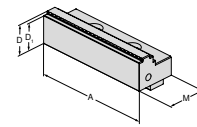


A mm	A <sub>1</sub> mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws	
125	65	0 - 240	8 - 247	77 - 317	84 - 324	60	33	93	362	3	9	432	80 901 305	+ 80 878 51900

## System jaws overview

### Indexable jaw, grip 3 mm, fixed

▲ Price per piece

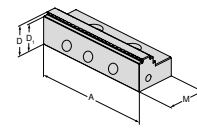


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28	25			40		
125	125		40	37			66		
160	160		50	47			81		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 901 306				●	●						
80 901 302				●	●				●		
80 901 300				●	●						

### Indexable jaw, grip 3 mm, movable

▲ Price per piece

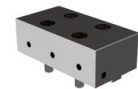
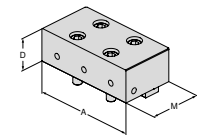


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28	25			40		
125	125		40	37			66		
160	160		50	47			81		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 878 810				●	●		●		●		
80 901 303				●	●				●		
80 878 610				●	●		●				

### Block jaw, fixed

▲ Price per piece

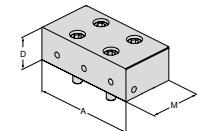


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28				40		
125	125		40				66		
160	160		50				81		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 901 31200				●	●						
80 901 31400				●	●						
80 901 31600				●	●						

### Block jaw, movable

▲ Price per piece



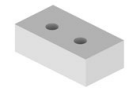
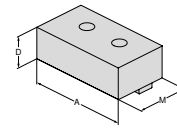
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28				40		
125	125		40				66		
160	160		50				81		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 901 31300				●	●		●		●		
80 901 31500				●	●				●		
80 901 31700				●	●		●				

## System jaws overview

### Alu jaw, fixed

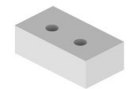
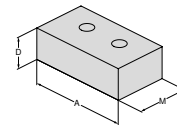
- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48			80 901 307			●	●							
125	125		40				68			80 901 304			●	●							
160	160		50				85			80 901 301			●	●							

### Alu jaw, movable

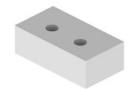
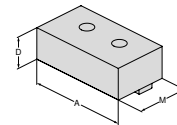
- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48			80 878 850			●	●		●		●			
125	125		40				68			80 878 550			●	●				●			
160	160		50				85			80 878 305			●	●		●					

### Soft jaw, steel, fixed

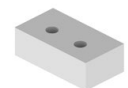
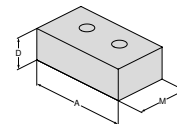
- ▲ Material: 16MnCr5
- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48			80 901 31800			●	●							
125	125		40				68			80 901 31900			●	●							

### Soft jaw, steel, movable

- ▲ Material: 16MnCr5
- ▲ for producing shaped jaws
- ▲ Price per piece

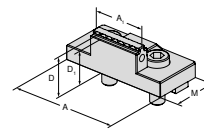


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48			80 878 32000			●	●		●					
125	125		40				68			80 878 32100			●	●		●					

## System jaws overview

Reversible grip jaw, width 40 mm, fixed

- ▲ Price per piece
- ▲ Double-sided grip step

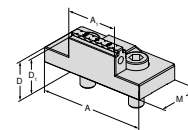


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80	40	28	25			40		

80 901 308	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
				●							

Indexable grip jaw 3 mm, width 40 mm, movable

- ▲ Price per piece

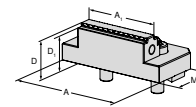


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80	40	28	25			40		

80 878 81900	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
				●			●				

5-axis reversible grip jaw, width 65 mm, fixed

- ▲ price per piece
- ▲ double sided grip step

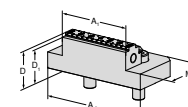


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	95	65	33	30			57		

80 901 305	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
				●							

5-axis indexable jaw, grip 3 mm, width 65 mm, movable

- ▲ double sided grip step
- ▲ price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	95	65	33	30			57		

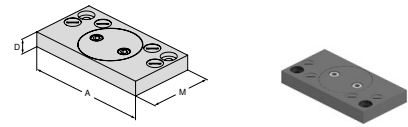
80 878 51900	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
							●				



## System jaws overview

### Pendulum jaw, movable

- ▲ to accommodate 6-way reversible jaws
- ▲ Price per piece

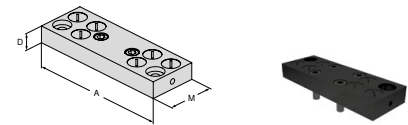


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	125		19				76		
125	180		22				95		
160	256		22				170		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 878 870				●			●		●		
80 878 570				●			●		●		
80 878 670				●			●				

### Adapter jaw

- ▲ to accommodate 6-way reversible jaws
- ▲ Price per piece

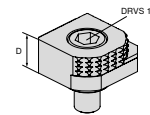


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	125		19				48		
125	180		22				62		
160	256		22				125		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 901 501				●							
80 901 502				●							
80 901 503				●							

### 6 function indexable jaw

- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲ M<sub>max</sub> = 60 Nm
- ▲ Including fixation screws

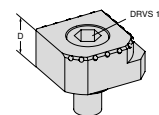


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
			18						

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 246	●	●	●	●			●		●	●	

### 6x indexable jaw, carbide grip

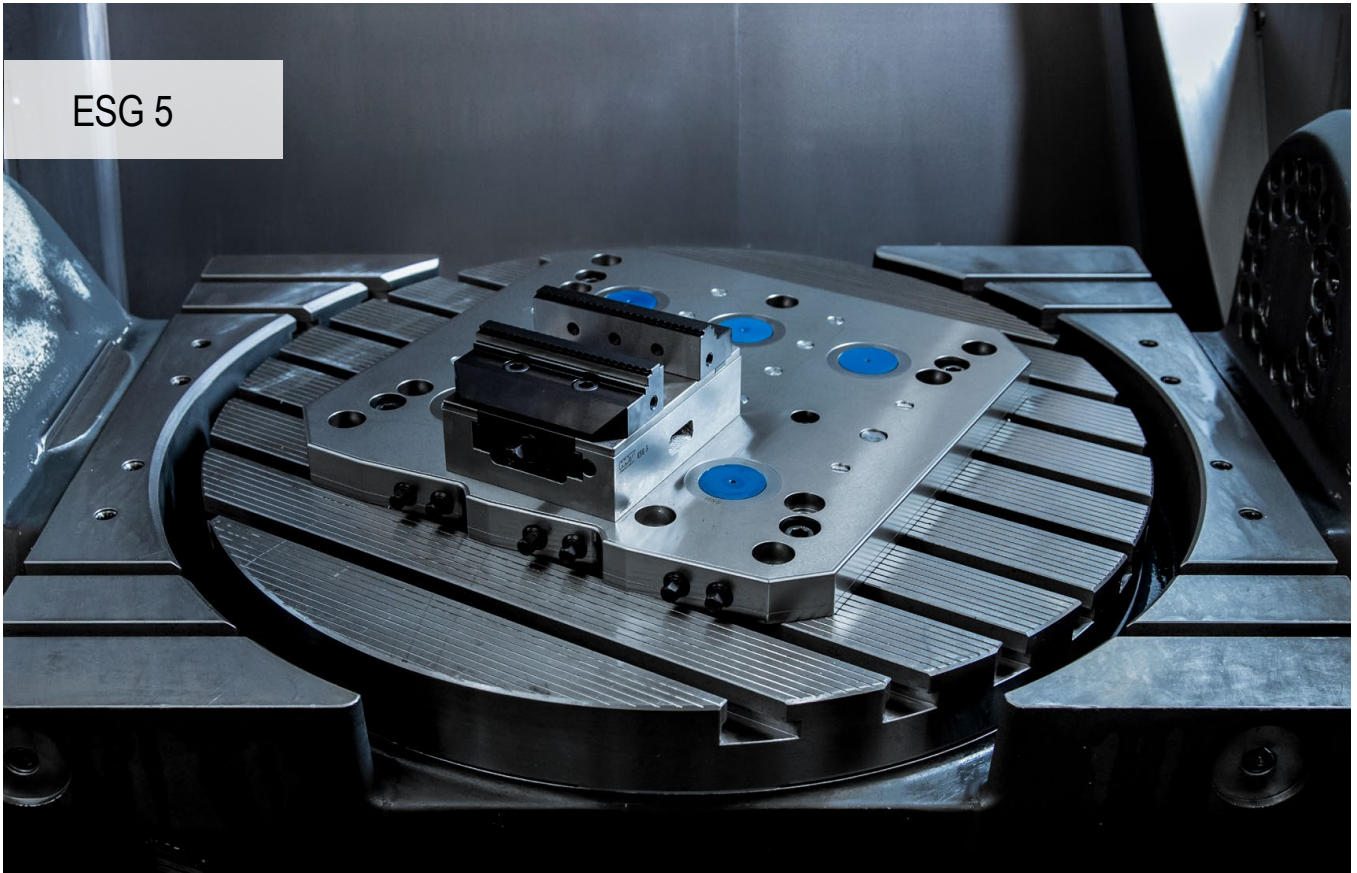
- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
			18						

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 890 35300	●	●	●	●			●		●	●	

## ESG 5



## The optimised ESG 5 – Maximum precision and process security

The new ESG 5 retains all the cherished characteristics of its predecessor and raises the bar significantly with regard to user-friendliness and durability. Optimised handling and improved durability were top of the list in the update for the single vice.

### Your benefits:

- ▲ Specially designed for second side machining through high angular accuracy
- ▲ Compact design with ideal accessibility
- ▲ Jaw change Quick and easy with two screws
- ▲ The same clamping ranges, significantly improved interference contour, comprehensive modular jaw range
- ▲ Sustainable model with nickel-plated base body ensures a long service life

### Clamping/aligning:



Mounting with zero point clamping system  
ESG 5 – 80 mm L-130 mm + L-190 mm  
ESG 5 – 125 mm L-160 mm + L-235 mm

1 mounting bolt + MNG-indexing bolt



Mounting with zero point clamping system  
ESG 5 – 125 mm + L-300 mm  
ESG 5 – 160 mm + L-280 mm + L-480 mm

2 mounting bolts



Dia. 12<sup>JS</sup> precision holes are present in all variants for positioning the ESG 5 with precision. All variants can be mounted with screws from above through the base body.

Clamping/aligning:

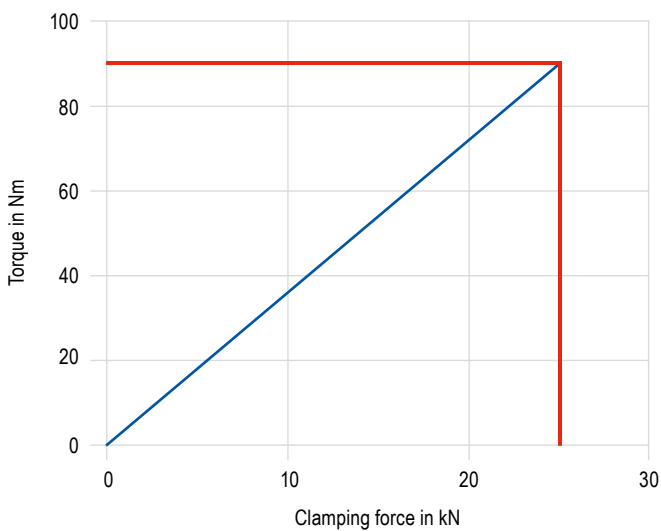


ESG 5 – 125 mm L-235 mm + L-300 mm  
ESG 5 – 160 mm L-280 mm + L-480 mm

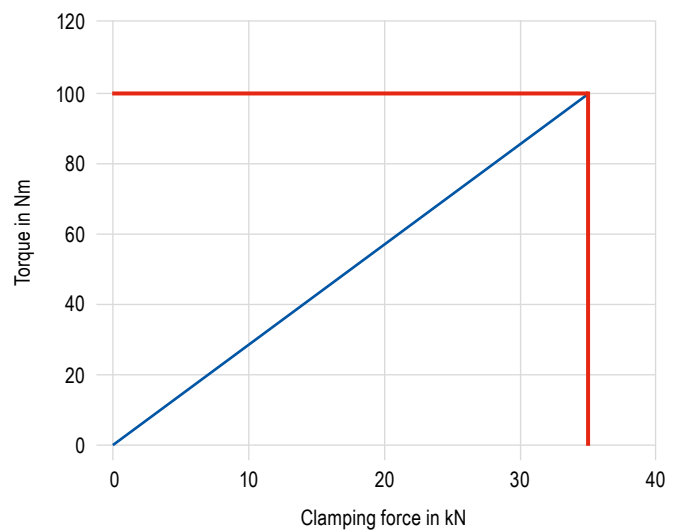
These 4 variants can also be clamped with clamping claws as an alternative.

Clamping force:

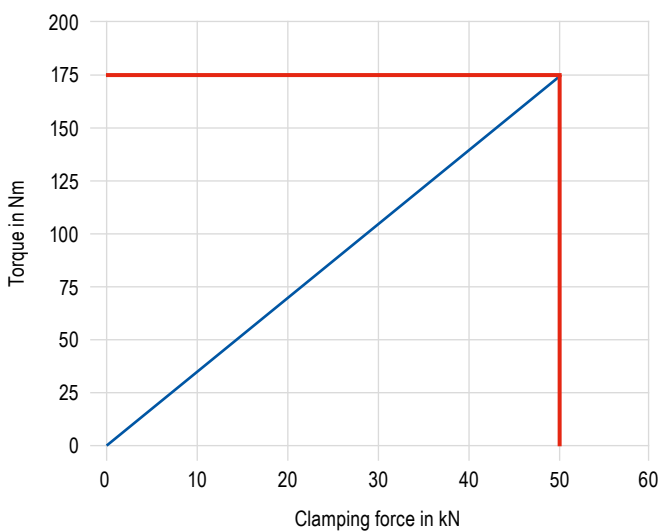
ESG 5 – 80 mm tightening torque / clamping force



ESG 5 – 125 mm tightening torque / clamping force

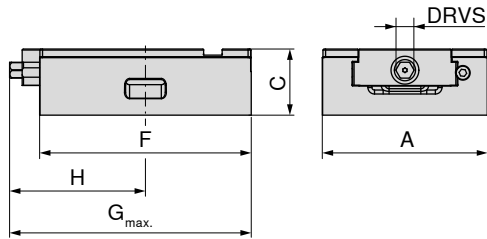


ESG 5 – 160 mm tightening torque / clamping force



# SoloClamp – ESG 5

- ▲ Single vice without system jaws
- ▲ Specially designed for second side machining through high angular accuracy
- ▲ ±0.01 mm repeatability between the clamping processes
- ▲ Suitable for PNG and MNG



80 857 ...

A	C ±0.01	F	G <sub>max.</sub>	H	DRVS	MXC	WT	
mm	mm	mm	mm	mm	mm	kN	kg	
80	50	130	155,0	82	12	25	2,9	08500
80	50	190	203,0	102	12	25	4,4	08600
125	50	160	169,0	103	12	35	6,0	15000
125	50	235	235,0	132	12	35	8,4	15100
125	50	300	300,0	170	12	35	10,5	15200
160	70	280	309,0	169	14	50	25,0	26100
160	70	480	512,5	267	14	50	30,0	26200

Suitable for zero point clamping system				MNG	MNG mini	PNG	LANG Quick Point	LANG Quick Point
Article no.	Type	Width in mm	Height in mm				96 x 96	52 x 52
80 857 08500	ESG 5	80	130	✓	✓	✗	✗	✓
80 857 08600		80	190	✓	✗	✓	✗	✓
80 857 15000		125	160	✓	✗	✓	✓	✓
80 857 15100		125	235	✓	✗	✓	✓	✗
80 857 15200		125	300	✓	✗	✓	✓	✗
80 857 26100		160	280	✓	✗	✓	✓	✗
80 857 26200		160	480	✓	✗	✓	✗	✗

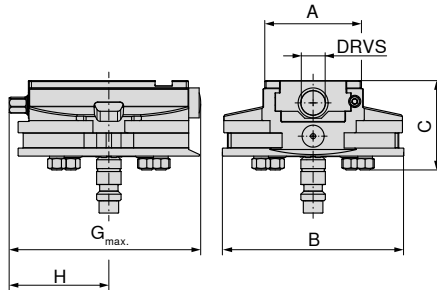
Vice guide

Underside Dimensions	63+64	Structural dimension tables for the different jaws	65
System accessories	66	MNG-/PNG zero point clamping system	134-163
General accessories	164-183		

# SoloClamp – ESG 5

- ▲ Sealed single vice for Erowa ITS 148
- ▲ Without system jaws
- ▲ Specially designed for second side machining through high angular accuracy
- ▲ ±0.01 mm repeatability between the clamping processes

**ESG  
5**



**80 857 ...**

A	B	C	G <sub>max.</sub>	H	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	kN	kg
80	148	73	157	81	12	25	5,6

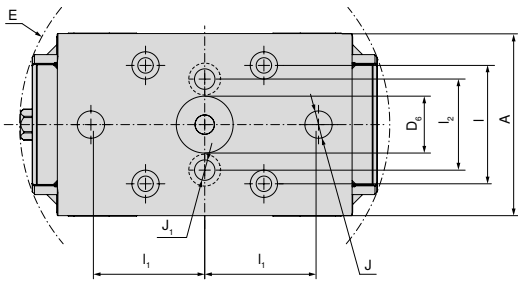
**08900**

### Vice guide

Underside Dimensions	<a href="#">63+64</a>	Structural dimension tables for the different jaws	<a href="#">65</a>
System accessories	<a href="#">66</a>	MNG-/PNG zero point clamping system	<a href="#">134-163</a>
General accessories	<a href="#">164-183</a>		

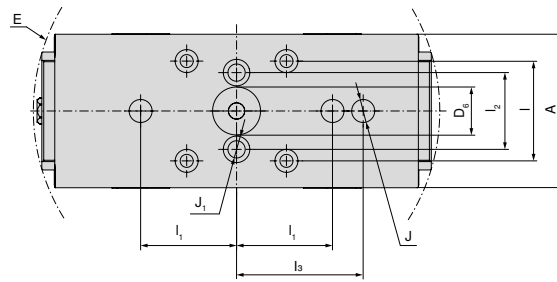
### ESG 5 underside dimensions

Base width 80 mm and length 130 mm



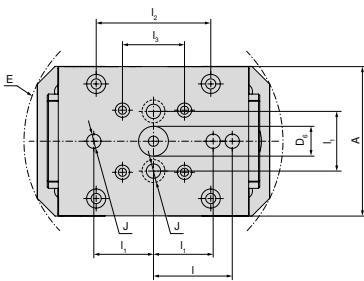
A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>1</sub> ±0.015	I <sub>2</sub>	J H <sub>7</sub>	J <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm	mm
80	25	163	52	50	40	12	9

Base width 80 mm and length 190 mm



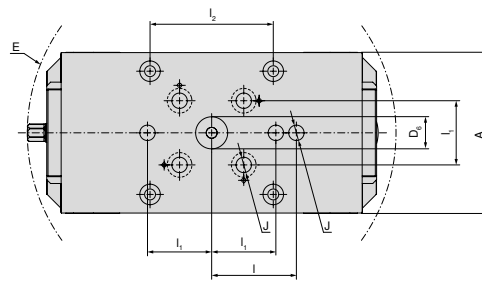
A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>1</sub> ±0.015	I <sub>2</sub>	I <sub>3</sub> ±0.015	J H <sub>7</sub>	J <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
80	25	213	52	50	40	66	12	9

Base width 125 mm and length 160 mm



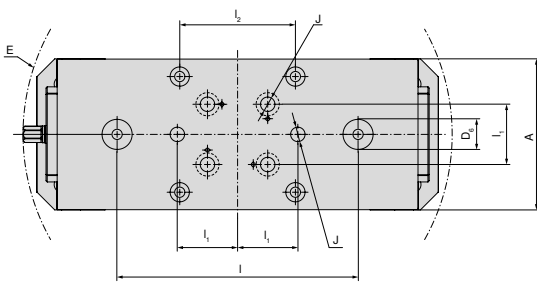
A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>1</sub> ±0.015	I <sub>2</sub>	I <sub>3</sub> ±0.015	J H <sub>7</sub>
mm	mm	mm	mm	mm	mm	mm	mm
125	25	218	66	50	96	52	12

Base width 125 mm and length 235 mm



A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>1</sub> ±0.015	I <sub>2</sub>	J H <sub>7</sub>
mm	mm	mm	mm	mm	mm	mm
125	25	288	66	50	96	12

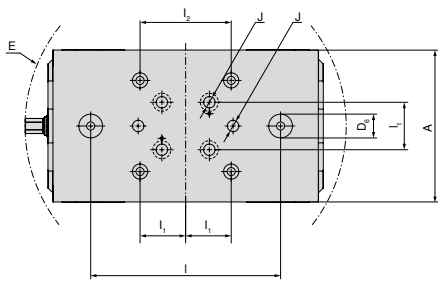
Base width 125 mm and length 300 mm



A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>1</sub> ±0.015	I <sub>2</sub>	J H <sub>7</sub>
mm	mm	mm	mm	mm	mm	mm
125	25	357	200	50	96	12

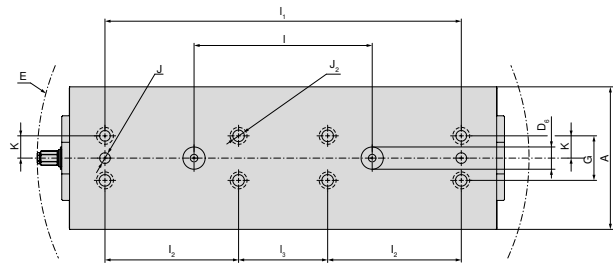
## ESG 5 underside dimensions

Base width 160 mm and length 280 mm



A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>2</sub> ±0.015	I <sub>2</sub>	J H <sub>7</sub>
mm	mm	mm	mm	mm	mm	mm
160	25	339	200	50	96	12

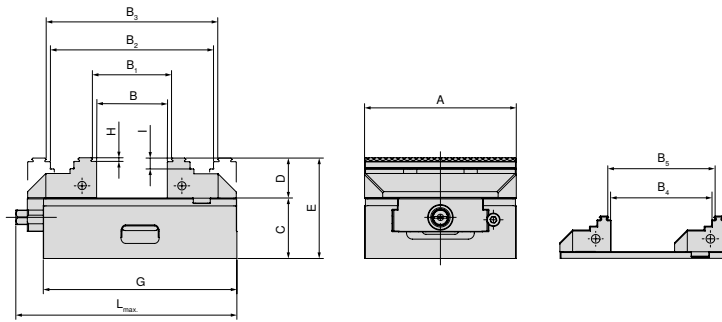
Base width 160 mm and length 480 mm



A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0.015	I <sub>2</sub> ±0.015	I <sub>2</sub>	I <sub>3</sub> ±0.015	J H <sub>7</sub>	J <sub>2</sub> F <sub>7</sub>	K ±0.02	G
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
160	25	553	200	400	150	100	12	12	25	50

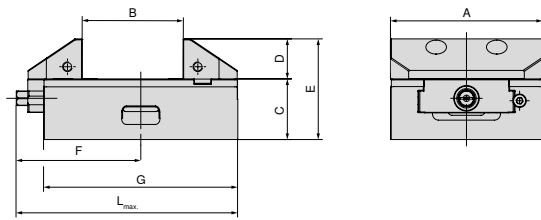
## ESG 5 structural dimension table for the different jaws

With indexable jaw grip 3 mm, fixed and movable



A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	B <sub>4</sub> mm	B <sub>5</sub> mm	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max.</sub> mm	Article no. System jaws
80	0-49	4-53	59-107	63-111	30-78	34-82	50	28	78	130	3	8	155	80 901 306 + 80 878 810
80	0-109	4-113	59-167	63-171	29-134	35-136	50	28	78	190	3	8	206	80 901 306 + 80 878 810
125	0-57	8-64	77-134	84-141	40-95	47-102	50	33	83	160	3	9	183	80 857 30000 + 80 878 510
125	0-127	8-134	77-204	84-211	40-165	47-172	50	33	83	235	3	9	250	80 857 30000 + 80 878 510
125	0-197	8-204	77-274	84-281	40-235	47-242	50	33	83	300	3	9	320	80 857 30000 + 80 878 510
160	0-121	8-128	118-238	125-245	-	-	70	50	120	280	3	10	328	80 901 300 + 80 878 610
160	0-324	8-331	118-441	125-448	-	-	70	50	120	480	3	10	506	80 901 300 + 80 878 610

With 5-axis jaws



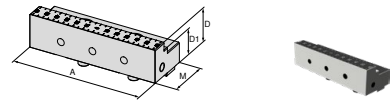
A mm	B mm	C mm	D mm	E mm	F mm	G mm	L <sub>max.</sub> mm	Article no. System jaws
125	25-82	50	33	83	103	160	183	80 857 30200 + 80 857 30100
125	25-152	50	33	83	132	235	250	80 857 30200 + 80 857 30100
125	25-222	50	33	83	170	300	320	80 857 30200 + 80 857 30100



## System jaws overview

### Indexable jaw, smooth, fixed

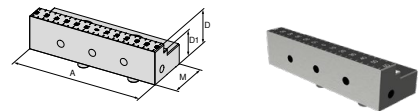
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	20			40			80 857 30400					●							
125	125		33	25			57			80 857 30300					●							

### Indexable jaw, smooth, movable

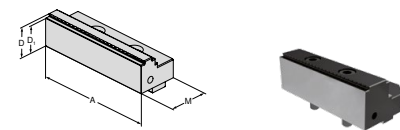
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	20			40			80 878 34700					●							
125	125		33	25			57			80 878 34600					●	●						

### Indexable jaw, grip 3 mm, fixed

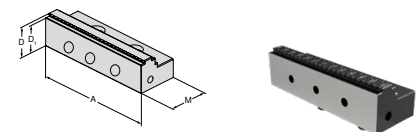
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	25			40			80 901 306				●	●							
125	125		33	30			57			80 857 30000				●	●							
160	160		50	47			81			80 901 300				●	●							

### Indexable jaw, grip 3 mm, movable

▲ Price per piece

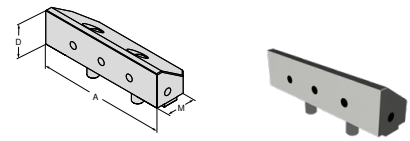


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	25			40			80 878 810				●	●							
125	125		33	30			57			80 878 510				●	●							
160	160		50	47			81			80 878 610				●	●							

## System jaws overview

### 5-axis indexable jaw, fixed

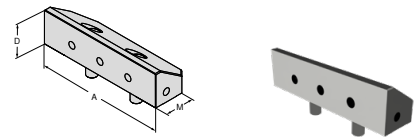
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125	125		33				44,5							●								
										<b>80 857 30100</b>												

### 5-axis indexable jaw, movable

▲ Price per piece



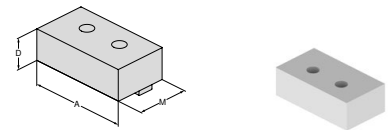
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125	125		33				44,5							●								
										<b>80 857 30200</b>												

### Soft jaw, steel, fixed

▲ Material: 16MnCr5

▲ for producing shaped jaws

▲ Price per piece



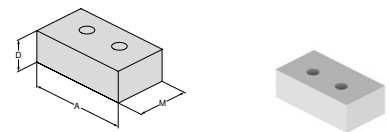
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48							●	●							
125	125		40				68							●	●							
										<b>80 901 31800</b>												
										<b>80 901 31900</b>												

### Soft jaw, steel, movable

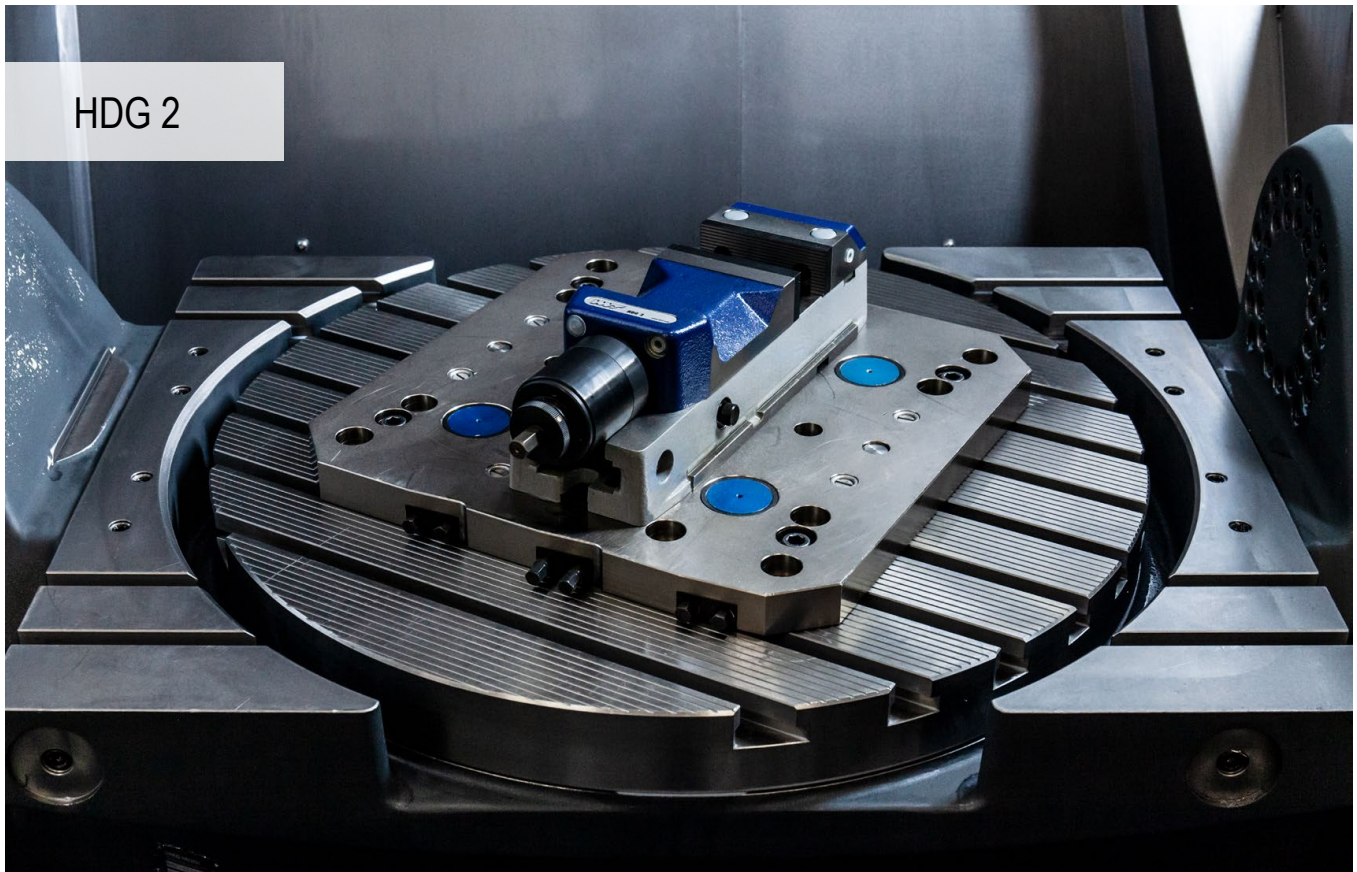
▲ Material: 16MnCr5

▲ for producing shaped jaws

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48							●	●		●					
125	125		40				68							●	●		●					
										<b>80 878 32000</b>												
										<b>80 878 32100</b>												



HDG 2

## Tried-and-tested high pressure clamping system

Mechanical machine vice with continuous force adjustment from 10% to 100% of the clamping force with just one crank turn and always the same final crank position. Quick clamping range adjustment via locking pins.

### Your benefits:

- ▲ Save time and effort – just one crank turn
- ▲ Clamping time of less than one second
- ▲ Easy handling
- ▲ Can be continuously adjusted without tools
- ▲ High machining precision

### Clamping/aligning:



Alignment through precision slot nuts on the slot table with 20<sup>H7</sup> longitudinal/transverse slot in the base body



Clamp with screws through the base body or laterally with clamping claws

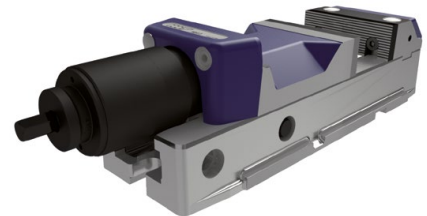
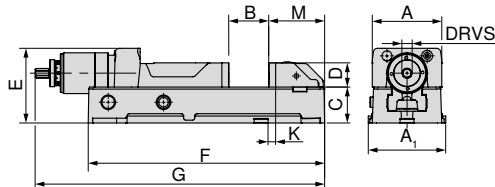
# SoloClamp – HDG 2

- ▲ high pressure vice
- ▲ stepless power adjustment
- ▲ mechanical power transmission
- ▲ clamping force with only a single turn of the handle
- ▲ flexible Jaws, pre-machined to accommodate jaws for clamping range extension

**Scope of supply:**

High pressure vice incl. 4 clamping jaws, hand crank, 2 top jaws profiled and hardened

**HDG  
2**



**80 892 ...**

A	A <sub>1</sub>	B	C <sup>+0/-0.02</sup>	D	E	F	G <sub>max.</sub>	K <sup>±0.015</sup>	M	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg
100	112	0 - 159	52	35	108	342	521	11	81	12	4 - 30	20
125	140	0 - 201	62	40	118	400	584	28	85	12	4 - 40	27
160	176	0 - 300	78	50	149	544	784	40	112	12	5 - 60	55

**100  
125  
160**

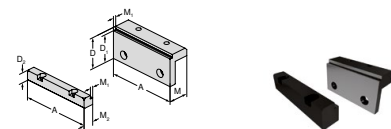
*Vice guide*

Underside Dimensions	71	System accessories	69-71
General accessories	164-183		

## System jaws overview

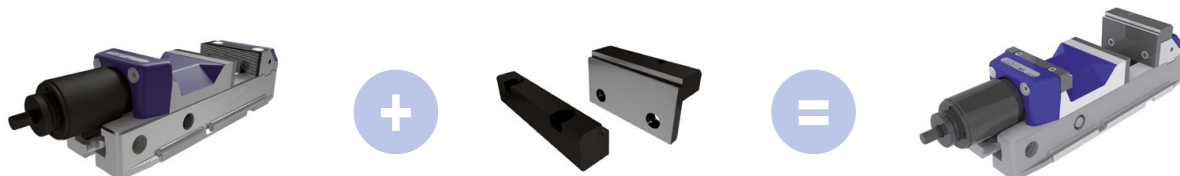
Jaws for clamping range extension

▲ Price per set (1 fixed and 1 movable jaw)



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / +S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
100			56	50	22		37	5	19						●					
125			56	50	22		37	5	19						●					
160			71	65	23		47	5	23,5						●					

## Illustration with extended clamping range

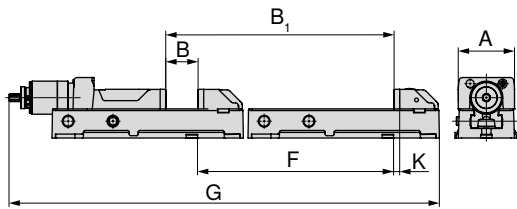


A	B	D	Vice Article Number	Jaw Article Number
100	118 - 278	56	80 892 100	80 892 225
125	137 - 338	56	80 892 125	80 892 226
160	169 - 470	71	80 892 160	80 892 227

# SoloClamp – HDG 2

▲ Base body extension

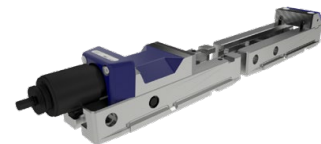
**HDG  
2**



**80 892 ...**

A	B	B <sub>1</sub>	F	G	K	
mm	mm	mm	mm	mm	mm	
100	0-159	350-509	450	871,3	11	51000
125	0-201	410-611	410	994,1	28	51100
160	0-300	550-850	550	1334,15	40	51200

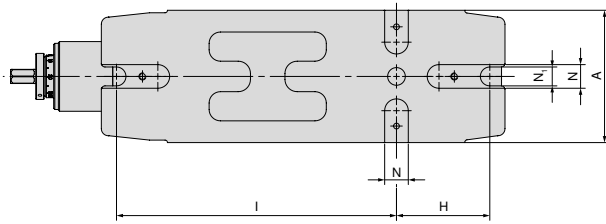
Shown with base body extension



A	B	D	Vice Article Number	Extension article number
100	350 - 509	35	80 892 100	80 892 51000
125	410 - 611	40	80 892 125	80 892 51100
160	550 - 850	50	80 892 160	80 892 51200

## HDG 2 underside dimensions

Base width 100 mm, 125 mm, 160 mm



A mm	H mm	I mm	N <sub>H17</sub> mm	N <sub>1</sub> mm
100	80	240	20	15
125	100	280	20	18
160	130	380	20	22

## System accessories overview

### Angular drive

HDG  
2



80 892 ...

for width mm	80 892 ...
100/125	314
160	315

### Hand crank

▲ for fast adjustment

HDG  
2



80 892 ...

for width mm	DRVS mm	80 892 ...
100/125	12	124
160	12	164

## ZSG 4



## The optimised ZSG 4 – Maximum precision and process security

The new ZSG 4 retains all the cherished characteristics of its predecessor and raises the bar significantly with regard to user-friendliness and durability. Optimised handling and improved durability were top of the list in the update for the popular centric vice.

### Your benefits:

- ▲ Specially designed for second side machining through high angular accuracy
- ▲ Compact design with ideal accessibility
- ▲ Jaw change Quick and easy with two screws
- ▲ The same clamping ranges, significantly improved interference contour, comprehensive modular jaw range
- ▲ Sustainable model with nickel-plated base body ensures a long service life



### Clamping/aligning:



Mounting with zero point clamping system  
ZSG 4 – 80 mm L-130 mm + L-190 mm  
ZSG 4 – 125 mm L-160 mm + L-235 mm

1 mounting bolt + MNG-indexing bolt



Mounting with zero point clamping system  
ZSG 4 – 125 mm + L-300 mm  
ZSG 4 – 160 mm + L-280 mm + L-480 mm

2 mounting bolts



Dia. 12<sup>JS</sup> precision holes are present in all variants for positioning the ZSG 4 with precision. All variants can be mounted with screws from above through the base body.

Clamping/aligning:



ZSG 4 – 125 mm L-235 mm + L-300 mm  
ZSG 4 – 160 mm L-280 mm + L-480 mm

These 4 variants can also be clamped with clamping claws as an alternative.

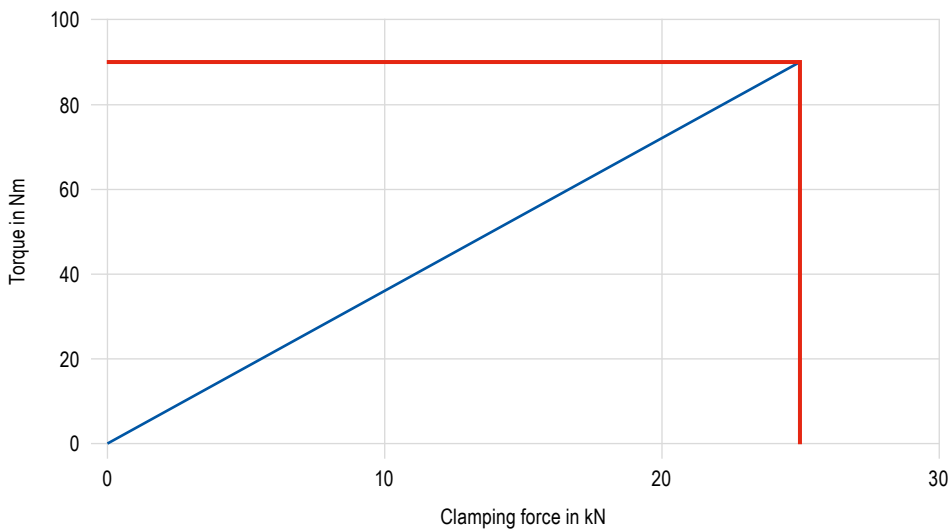


ZSG 4 – 80 mm L-130 mm + L-190 mm  
ZSG 4 – 125 mm L-160 mm + L-235 mm + L-300 mm  
ZSG 4 – 160 mm L-280 mm

All 5 variants are also available with mounting holes for the LANG zero point clamping system.

Clamping force:

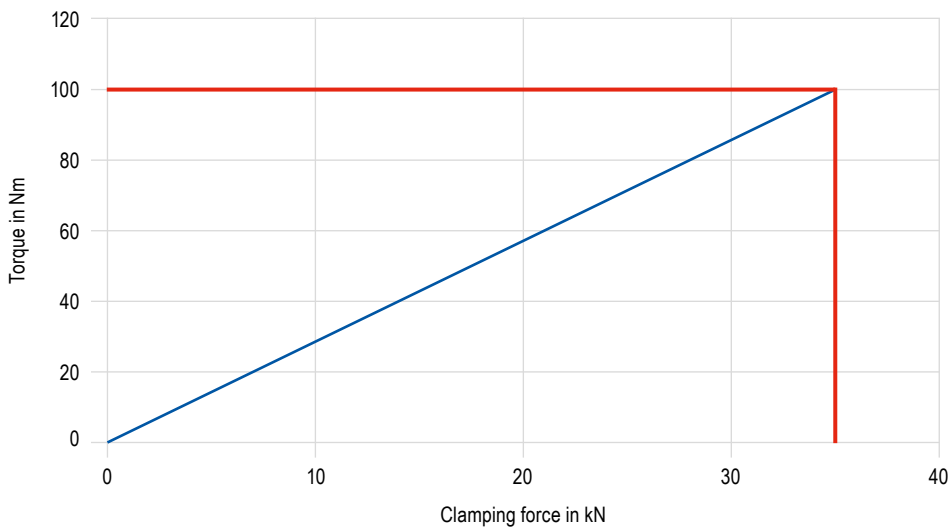
ZSG 4 – 80 mm tightening torque/clamping force



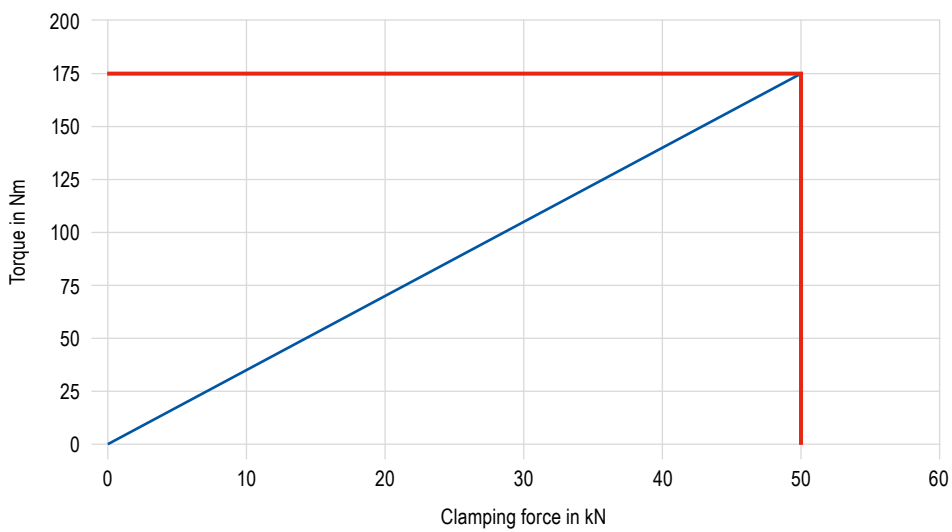


## Clamping force:

## ZSG 4 – 125 mm tightening torque / clamping force

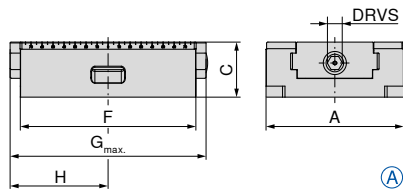


## ZSG 4 – 160 mm tightening torque / clamping force

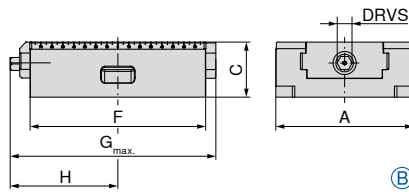


# CentriClamp – ZSG 4

- ▲ Sealed centric vice
- ▲ Without system jaws
- ▲ Ball bearing mounted spindle
- ▲ ±0.01 mm repeatability between the clamping processes
- ▲ Suitable for PNG and MNG



Internal actuating spindle



External actuating spindle



80 878 ...

A mm	C <sub>±0.01</sub> mm	F mm	G <sub>max.</sub> mm	H mm	DRVS mm	MXC kN	WT kg	Designation	
80	50	130	157	81	12	25	3,1	A	08500
80	50	190	206	104	12	25	4,5	B	08600
125	50	160	200	111,5	12	35	6,3	A	15000
125	50	235	272	143,5	12	35	9,5	B	15100
125	50	300	340	181	12	35	12,5	B	15200
160	70	280	315	172	14	50	25,0	A	26100
160	70	480	524	276	14	50	35,0	B	26200

Suitable for zero point clamping system				MNG	MNG mini	PNG	LANG Quick Point 96 x 96	LANG Quick Point 52 x 52
Article no.	Type	Width in mm	Length in mm					
80 878 08500	ZSG 4	80	130	✓	✓	✗	✗	✓
80 878 08600		80	190	✓	✗	✓	✗	✓
80 878 15000		125	160	✓	✗	✓	✓	✓
80 878 15100		125	235	✓	✗	✓	✓	✗
80 878 15200		125	300	✓	✗	✓	✓	✗
80 878 26100		160	280	✓	✗	✓	✓	✗
80 878 26200		160	480	✓	✗	✓	✗	✗

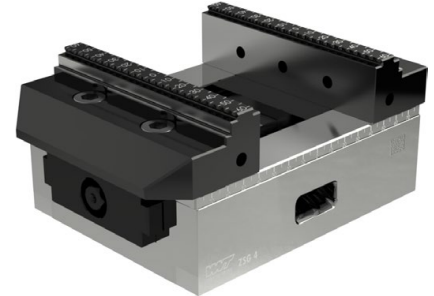
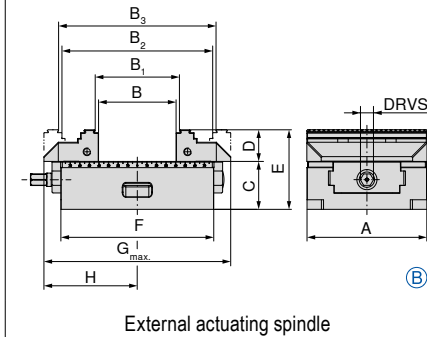
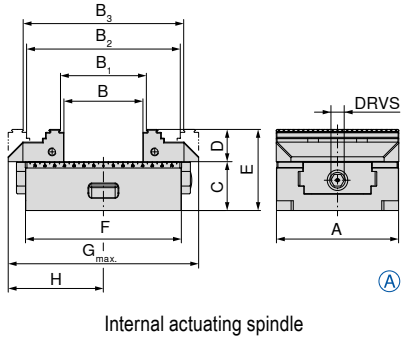
Vice guide

Underside Dimensions	78+79	Structural dimension tables for the different jaws	80-83
System accessories	85-90	MNG-/PNG zero point clamping system	134-163
General accessories	164-183		

# CentriClamp – ZSG 4

- ▲ Sealed centric vice
- ▲ With grip jaws, 3 mm
- ▲ Ball bearing mounted spindle
- ▲ ±0.01 mm repeatability between the clamping processes
- ▲ Suitable for PNG and MNG

ZSG 4 MNG



80 878 ...

A	B	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	C ±0.01	D	E	F	G <sub>max</sub>	H	DRVS	MXC	WT	Designation	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kN	kg		
80	0 - 59	4 - 63	59 - 117	63 - 121	50	28	78	130	157	81	12	25	3,9	A	08700
80	0 - 123	4 - 127	59 - 181	63 - 185	50	28	78	190	206	104	12	25	5,5	B	08800
125	0 - 80	8 - 87	77 - 156	84 - 163	50	33	83	160	208	111,5	12	35	8,7	A	15300
125	0 - 155	8 - 162	77 - 218	84 - 225	50	33	83	235	272	143,5	12	35	12,0	B	15400
125	0 - 220	8 - 227	77 - 296	84 - 303	50	33	83	300	348	181	12	35	14,0	B	15500



It is not possible to fit top jaws with a height of 40 mm, if this height is required, please use the reversible jaws with D = 40 mm (Article No. 80 878 520).

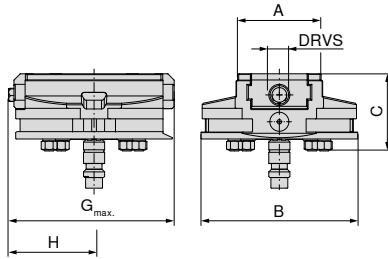
Suitable for zero point clamping system				MNG	MNG mini	PNG	LANG Quick Point	LANG Quick Point
Article no.	Type	Width in mm	Length in mm				96 x 96	52 x 52
80 878 08700	ZSG 4	80	130	✓	✓	✗	✗	✓
80 878 08800		80	190	✓	✗	✓	✗	✓
80 878 15300		125	160	✓	✗	✓	✓	✓
80 878 15400		125	235	✓	✗	✓	✓	✗
80 878 15500		125	300	✓	✗	✓	✓	✗

Vice guide

Underside Dimensions	78-79	Structural dimension tables for the different jaws	80-83
System accessories	85-90	MNG-/PNG zero point clamping system	134-163
General accessories	164-183		

# CentriClamp – ZSG 4

- ▲ Sealed centric vice for Erowa ITS 148
- ▲ Without system jaws
- ▲ Ball bearing mounted spindle
- ▲ ±0.01 mm repeatability between the clamping processes



80 878 ...

A	B	C	G <sub>max.</sub>	H	DRVS	MXC	WT
mm	mm	mm	mm	mm	mm	kN	kg
80	148	73	157	81	12	25	5,6

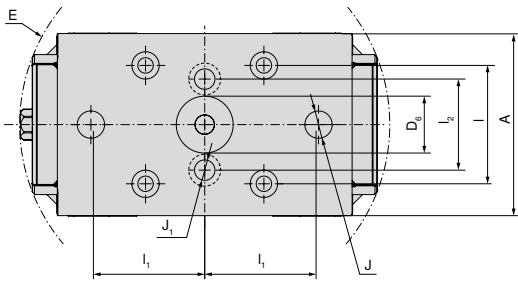
08900

*Vice guide*

Underside Dimensions	78+79	Structural dimension tables for the different jaws	80–83
System accessories	85–90	MNG-/PNG zero point clamping system	134–163
General accessories	164–183		

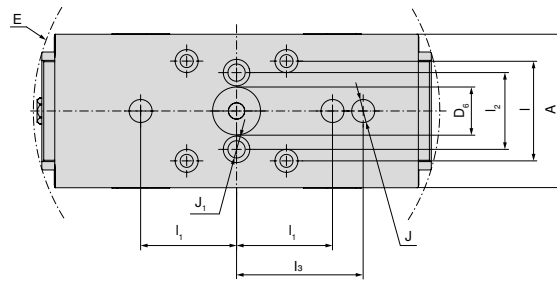
## ZSG 4 underside dimensions

Base width 80 mm and length 130 mm



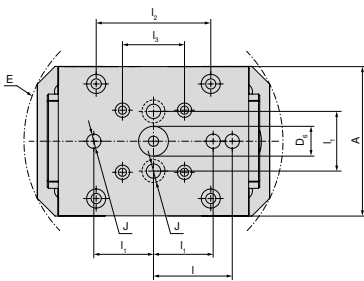
A	D <sub>6</sub> H6	E	I <sub>1</sub> ±0,015	I <sub>1</sub> ±0,015	I <sub>2</sub>	J H7	J <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm	mm
80	25	163	52	50	40	12	9

Base width 80 mm and length 190 mm



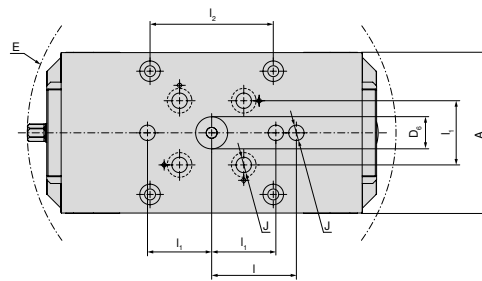
A	D <sub>6</sub> H6	E	I <sub>1</sub> ±0,015	I <sub>1</sub> ±0,015	I <sub>2</sub>	I <sub>3</sub> ±0,015	J H7	J <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm	mm	mm
80	25	213	52	50	40	66	12	9

Base width 125 mm and length 160 mm



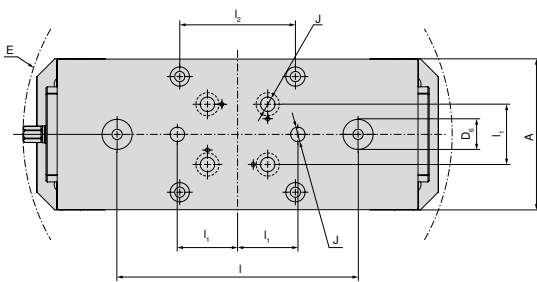
A	D <sub>6</sub> H6	E	I <sub>1</sub> ±0,015	I <sub>1</sub> ±0,015	I <sub>2</sub>	I <sub>3</sub> ±0,015	J H7
mm	mm	mm	mm	mm	mm	mm	mm
125	25	218	66	50	96	52	12

Base width 125 mm and length 235 mm



A	D <sub>6</sub> H6	E	I <sub>1</sub> ±0,015	I <sub>1</sub> ±0,015	I <sub>2</sub>	J H7
mm	mm	mm	mm	mm	mm	mm
125	25	288	66	50	96	12

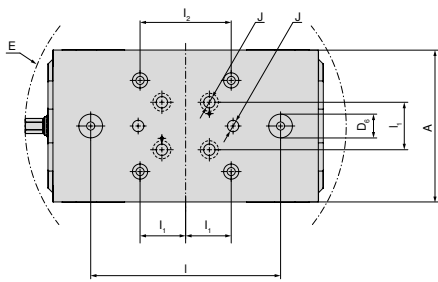
Base width 125 mm and length 300 mm



A	D <sub>6</sub> H6	E	I <sub>1</sub> ±0,015	I <sub>1</sub> ±0,015	I <sub>2</sub>	J H7
mm	mm	mm	mm	mm	mm	mm
125	25	357	200	50	96	12

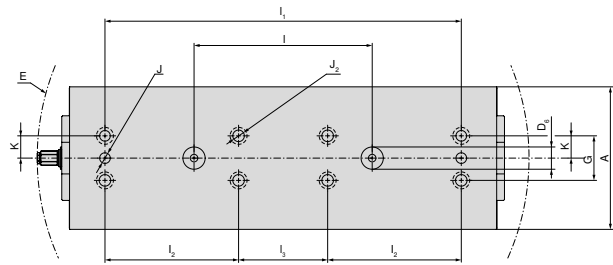
## ZSG 4 underside dimensions

Base width 160 mm and length 280 mm



A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0,015	I <sub>2</sub> ±0,015	J H <sub>7</sub>
mm	mm	mm	mm	mm	mm
160	25	339	200	50	96

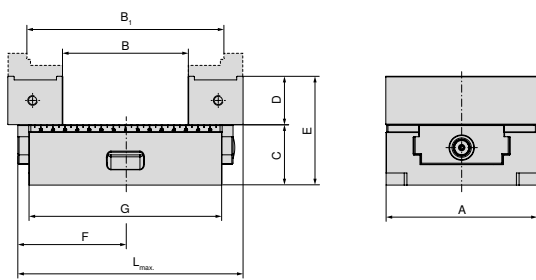
Base width 160 mm and length 480 mm



A	D <sub>6</sub> H <sub>6</sub>	E	I <sub>1</sub> ±0,015	I <sub>2</sub> ±0,015	I <sub>3</sub> ±0,015	J H <sub>7</sub>	J <sub>2</sub> F <sub>7</sub>	K ±0,02	G
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
160	25	553	200	400	150	100	12	12	25

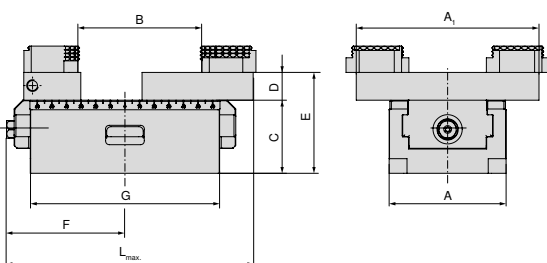
## ZSG 4 structural dimension table for the different jaws

### With combi jaws



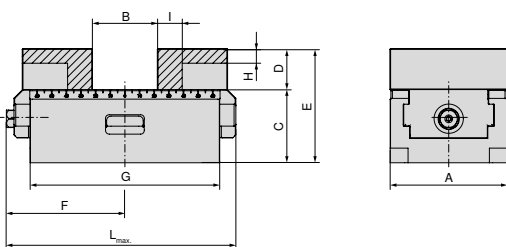
A mm	B mm	B <sub>1</sub> mm	C mm	D mm	E mm	F mm	G mm	L <sub>max</sub> mm	Article no. System jaws
125	23 - 103	82 - 161	50	40	90	111,5	160	208	2 x <b>80 878 530</b>
125	23 - 165	82 - 223	50	40	90	143,5	235	272	2 x <b>80 878 530</b>
125	23 - 241	82 - 300	50	40	90	181	300	348	2 x <b>80 878 530</b>

### With pendulum and adapter plate



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	L <sub>max</sub> mm	Article no. System jaws
80	125	3 - 84	50	28	78	81	130	157	<b>80 878 890 + 80 878 870</b>
80	125	3 - 145	50	28	78	104	190	206	<b>80 878 890 + 80 878 870</b>
125	180	7 - 126	50	22	90	111,5	160	212	<b>80 878 590 + 80 878 570</b>
125	180	7 - 207	50	22	90	143,5	235	272	<b>80 878 590 + 80 878 570</b>
125	180	7 - 250	50	22	90	181	300	352	<b>80 878 590 + 80 878 570</b>
160	256	16 - 292	70	22	110	170	280	315	<b>80 878 690 + 80 878 670</b>
160	256	16 - 406	70	22	110	276	480	524	<b>80 878 690 + 80 878 670</b>

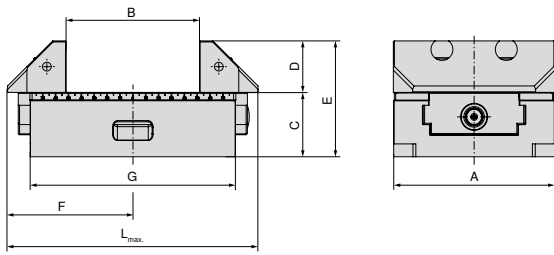
### With aluminium jaws



A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws
80	0 - 44	50	28	78	81	130	10	17	157	2 x <b>80 878 850</b>
80	0 - 108	50	28	78	104	190	10	17	206	2 x <b>80 878 850</b>
125	0 - 58	50	40	90	111,5	160	17	27	208	2 x <b>80 878 550</b>
125	0 - 133	50	40	90	143,5	235	17	27	272	2 x <b>80 878 550</b>
125	0 - 198	50	40	90	181	300	17	27	348	2 x <b>80 878 550</b>
160	0 - 123	70	50	120	170	280	26	25	315	2 x <b>80 878 305</b>
160	10 - 336	70	50	120	276	480	26	25	524	2 x <b>80 878 305</b>

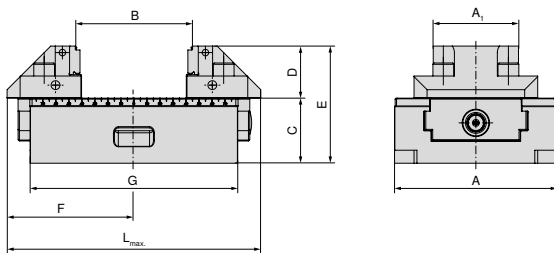
## ZSG 4 structural dimension table for the different jaws

With 5-axis jaws



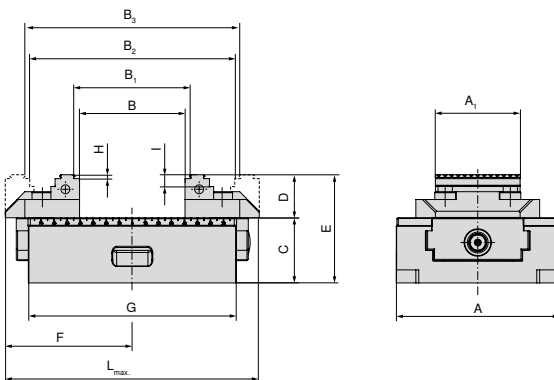
A mm	B mm	C mm	D mm	E mm	F mm	G mm	L <sub>max.</sub> mm	Article no. System jaws
125	22 - 102	50	40	90	115,5	160	208	2 x <b>80 878 625</b>
125	22 - 165	50	40	90	143,5	235	272	2 x <b>80 878 625</b>
125	22 - 242	50	40	90	181	300	348	2 x <b>80 878 625</b>
160	15 - 140	70	50	120	170	280	315	2 x <b>80 878 660</b>
160	28 - 354	70	50	120	276	480	524	2 x <b>80 878 660</b>

With 5 axis jaws, grip 3 mm, width 65 mm



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	L <sub>max.</sub> mm	Article no. System jaws
125	65	8 - 87	50	40	90	115,5	160	208	2 x <b>80 878 665</b>
125	65	8 - 162	50	40	90	143,5	235	272	2 x <b>80 878 665</b>
125	65	8 - 227	50	40	90	181	300	348	2 x <b>80 878 665</b>

With indexable jaws, grip 3 mm, height 65 mm

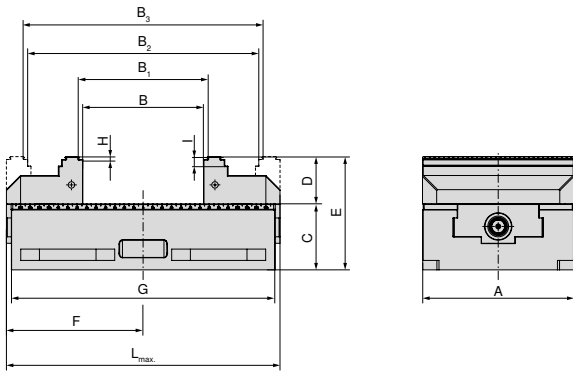


A mm	A <sub>1</sub> mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L <sub>max.</sub> mm	Article no. System jaws
125	65	0 - 80	8 - 87	77 - 156	84 - 163	50	33	83	111,5	160	3	9	208	2 x <b>80 878 51900</b>
125	65	0 - 142	8 - 149	77 - 218	84 - 225	50	33	83	143,5	235	3	9	272	2 x <b>80 878 51900</b>
125	65	0 - 220	8 - 227	77 - 296	84 - 303	50	33	83	181	300	3	9	348	2 x <b>80 878 51900</b>



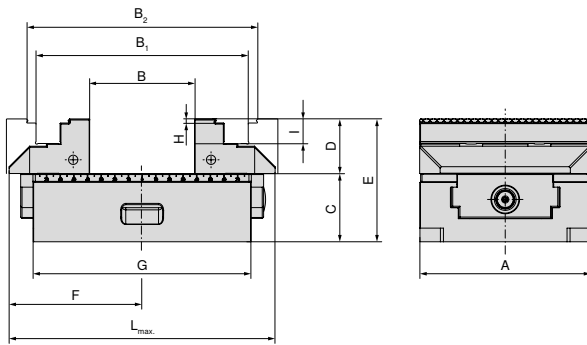
## ZSG 4 structural dimension table for the different jaws

With indexable jaws, grip 3 mm



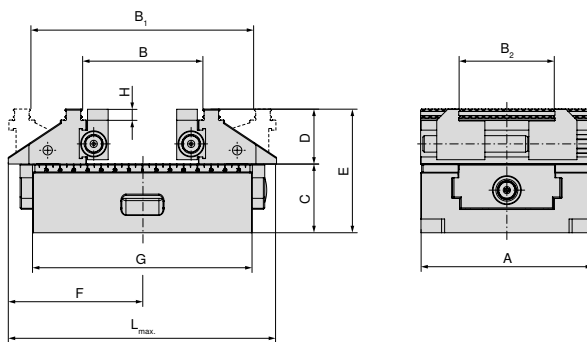
A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub> mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L <sub>max.</sub> mm	Article no. System jaws
160	0 - 127	8 - 134	118 - 244	125 - 251	70	50	120	170	280	3	10	315	2 x <b>80 878 610</b>
160	15 - 341	22 - 348	132 - 458	139 - 465	70	50	120	276	480	3	10	524	2 x <b>80 878 610</b>

With indexable jaws, grip, height 40 mm



A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L <sub>max.</sub> mm	Article no. System jaws
125	0 - 75	75 - 154	88 - 166	50	40	90	111,5	160	3	9	208	2 x <b>80 878 520</b>
125	0 - 138	75 - 217	88 - 229	50	40	90	143,5	235	3	9	272	2 x <b>80 878 520</b>
125	0 - 215	75 - 294	88 - 306	50	40	90	181	300	3	9	348	2 x <b>80 878 520</b>

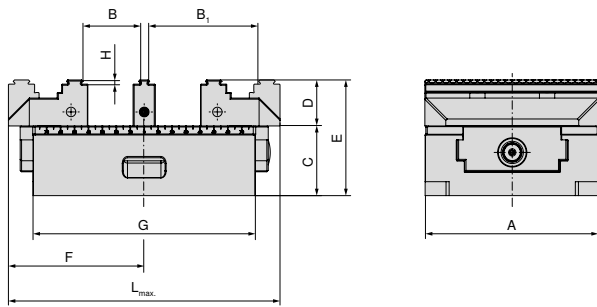
With 6 face jaw system for 125 mm jaw width



A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	C mm	D mm	E mm	F mm	G mm	H mm	L <sub>max.</sub> mm	Article no. System jaws
125	39 - 86	83 - 161	37 - 101	50	40	90	111,5	160	8	209	<b>80 878 525</b>
125	39 - 149	83 - 224	37 - 101	50	40	90	143,5	235	8	272	<b>80 878 525</b>
125	39 - 226	83 - 301	37 - 101	50	40	90	181	300	8	349	<b>80 878 525</b>

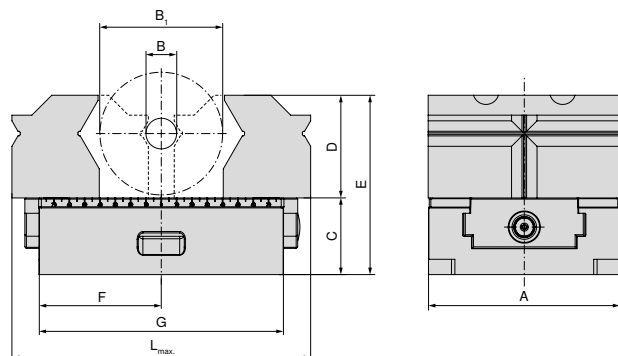
## ZSG 4 structural dimension table for the different jaws

With middle jaw, grip 3 mm (height 28 mm / 33 mm) for jaw width 125 mm



A mm	B mm	B <sub>1</sub> mm	C mm	D mm	E mm	F mm	G mm	H mm	L <sub>max.</sub> mm	Article no. System jaws
80	8 - 28	37 - 57	50	28	78	81	130	3	157	2 x 80 878 810 + 80 878 31200
80	14 - 22	31 - 51	50	28	78	81	130	3	157	2 x 80 878 810 + 80 878 33400
80	8 - 58	37 - 87	50	28	78	104	190	3	206	2 x 80 878 810 + 80 878 31200
80	14 - 52	31 - 81	50	28	78	104	190	3	206	2 x 80 878 810 + 80 878 33400
125	9 - 40	47 - 78	50	33	83	111,5	160	3	208	2 x 80 878 510 + 80 878 31300
125	15 - 34	41 - 72	50	33	83	111,5	160	3	208	2 x 80 878 510 + 80 878 33500
125	9 - 72	47 - 110	50	33	83	143,5	235	3	272	2 x 80 878 510 + 80 878 31300
125	15 - 66	41 - 104	50	33	83	143,5	235	3	272	2 x 80 878 510 + 80 878 33500
125	9 - 110	47 - 148	50	33	83	181	300	3	348	2 x 80 878 510 + 80 878 31300
125	15 - 104	41 - 142	50	33	83	181	300	3	348	2 x 80 878 510 + 80 878 33500

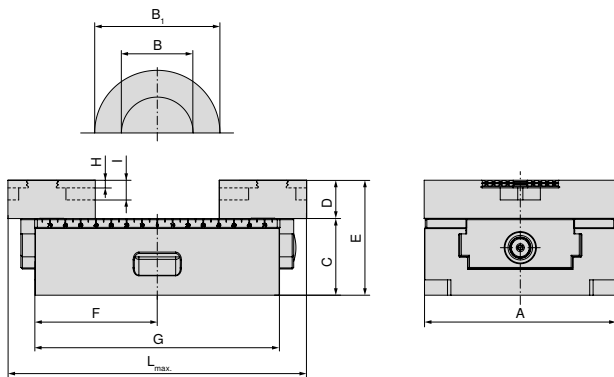
With prism jaw, movable – horizontal and vertical prism



A mm	B mm	B <sub>1</sub> mm	C mm	D mm	E mm	F mm	G mm	L <sub>max.</sub> mm	Article no. System jaws
80	10 - 28	20 - 60	50	52	102	81	130	157	2 x 80 878 31800
80	10 - 28	20 - 60	50	52	102	104	190	206	2 x 80 878 31800
125	10 - 28	26 - 80	50	67	117	111,5	160	200	2 x 80 878 31900
125	10 - 28	26 - 80	50	67	117	143,5	235	272	2 x 80 878 31900
125	10 - 28	26 - 80	50	67	117	181	300	348	2 x 80 878 31900

## ZSG 4 structural dimension table for the different jaws

With prism jaw, movable – horizontal prism

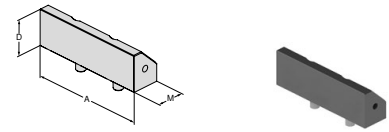


A mm	B mm	B <sub>1</sub> mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws
80	8 - 55	15 - 76	50	25	75	81	130	5	13	157	2 x <b>80 878 34000</b>
80	8 - 55	15 - 76	50	25	75	104	190	5	13	206	2 x <b>80 878 34000</b>
125	14 - 102	25 - 112	50	25	75	111,5	160	5	13	200	2 x <b>80 878 34100</b>
125	14 - 124	25 - 165	50	25	75	143,5	235	5	13	272	2 x <b>80 878 34100</b>
125	14 - 124	25 - 165	50	25	75	181	300	5	13	348	2 x <b>80 878 34100</b>
160	22 - 158	32 - 170	70	30	100	145	280	5	13	290	2 x <b>80 878 34200</b>
160	22 - 158	32 - 170	70	30	100	273	480	5	13	521	2 x <b>80 878 34200</b>

# System jaws overview

## 5-axis jaw, movable

▲ Price per piece

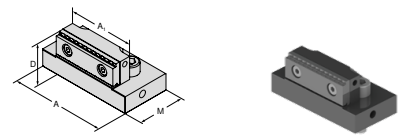


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40				45,5		
160	160		50				73		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 878 625							●				
80 878 660							●				

## 5-axis jaw, grip 3 mm, width 65 mm, movable

▲ Price per piece



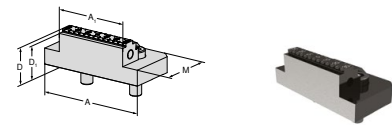
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	95	65,5	40				57		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 878 665							●				

## 5-axis indexable jaw, grip 3 mm, width 65 mm, movable

▲ double sided grip step

▲ price per piece

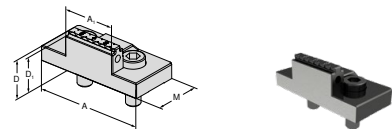


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	95	65	33	30			57		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 878 51900							●				

## Indexable grip jaw 3 mm, width 40 mm, movable

▲ Price per piece

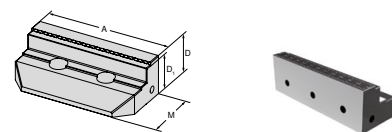


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80	40	28	25			40		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 878 81900				●			●				

## Indexable jaw, grip 3 mm, height 40 mm, movable

▲ Price per piece



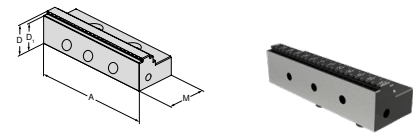
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40	37			59		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 878 520							●				

## System jaws overview

### Indexable jaw, grip 3 mm, movable

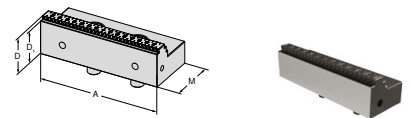
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	25			40						●	●		●		●			
125	125		33	30			57						●	●		●					
160	160		50	47			81						●	●		●					

### Indexable jaw, grip 5 mm, movable

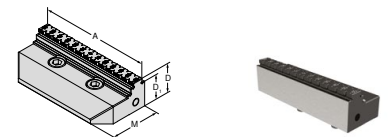
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	80		28	23			41						●			●		●		
125	125		33	28			57						●			●				
160	160		50	45			81						●			●				

### Indexable grip jaw, for aluminium and plastic

▲ Price per piece

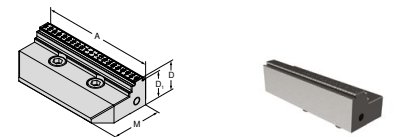


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	80		28	23			40									●				
125	125		33	28			57									●				

### Indexable jaw with embossed profile, movable

▲ Price per piece

▲ suitable for LANG embossed profile

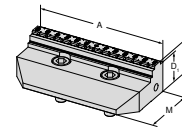


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	80		28	25			40									●				
125	125		33	30			57									●				

## System jaws overview

Indexable jaw, carbide, grip 3 mm, movable

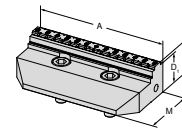
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	25			40			80 878 81600						●					
125	125		33	30			57			80 878 51600						●					
160	160		50	47			81			80 878 31700						●					

Indexable jaw, carbide, grip 5 mm, movable

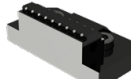
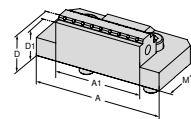
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	23			40			80 878 81700						●					
125	125		33	28			57			80 878 51700						●					

Indexable jaw, carbide grip 3 mm, width 40 mm, movable

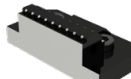
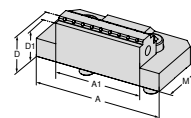
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80	40	28	25			40			80 878 33200						●					

Indexable jaw, carbide grip 3 mm, width 65 mm, movable

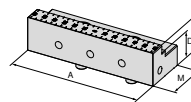
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125	125	65	33	30			57			80 878 33300						●					

Indexable jaw, smooth, movable

▲ Price per piece

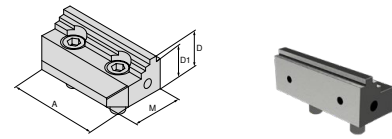


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28	20			40			80 878 34700				●		●					
125	125		33	25			57			80 878 34600				●		●					

## System jaws overview

Stepped jaw, smooth, movable

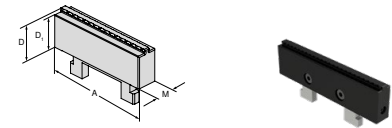
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	80		28	24			40			80 878 34400						●				
125	125		33	27			57			80 878 34500						●				

Centre jaw, grip 3 mm, narrow

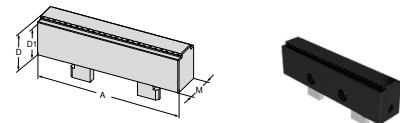
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	80		28	25			16			80 878 31200						●				
125	125		33	30			16			80 878 31300						●				

Centre jaw, grip 3 mm, wide

▲ Price per piece

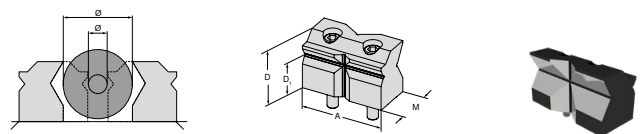


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	80		28	25			24			80 878 33400						●				
125	125		33	30			26			80 878 33500						●				

Prism jaw, movable

▲ With horizontal and vertical prism

▲ Price per piece

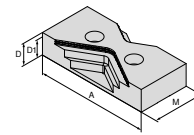
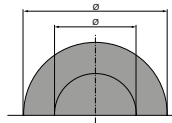


Ø For clamping diameter	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
10 - 60	80		52	32			38,5			80 878 31800						●				
10 - 80	125		67	42			57			80 878 31900						●				

## System jaws overview

### Prism jaw, movable

- ▲ With horizontal prism
- ▲ Price per piece

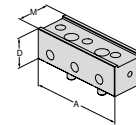


Ø For clamping diameter	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
15 - 75	80		25	20			40		
25 - 110	125		25	20			57		
30 - 170	160		30	25			81		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 878 34000							●				
80 878 34100							●				
80 878 34200							●				

### Combi jaw, movable

- ▲ Price per piece

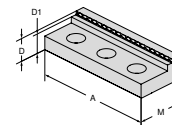


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40				45,5		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 878 530							●				

### Jaw, grip, VS

- ▲ Price per piece
- ▲ VS = Larger clamping range

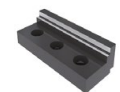
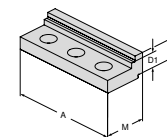


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		22	17			45		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 245							●				

### Jaw, smooth VS, carbide coated

- ▲ Increased clamping range for finish machining and 2nd operation
- ▲ Price per piece

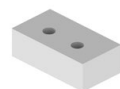
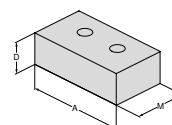


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		19	14			45		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 240							●				

### Alu jaw, movable

- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28				48		
125	125		40				68		
160	160		50				85		

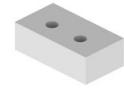
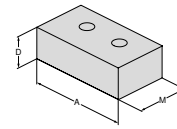
	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 878 850				●	●		●		●		
80 878 550				●	●		●		●		
80 878 305				●	●		●		●		



## System jaws overview

Soft jaw, steel, movable

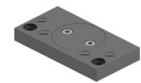
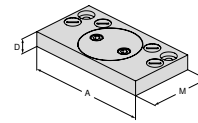
- ▲ Material: 16MnCr5
- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48			80 878 32000				●	●		●					
125	125		40				68			80 878 32100				●	●		●					

Pendulum jaw, movable

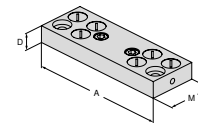
- ▲ to accommodate 6-way reversible jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	125		19				76			80 878 870				●			●					
125	180		22				95			80 878 570				●			●					
160	256		22				170			80 878 670				●			●					

Adapter Jaw

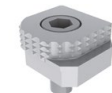
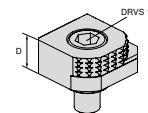
- ▲ to accommodate 6-way reversible jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	125		19				39			80 878 890							●					
125	180		22				62			80 878 590							●					
160	256		22				125			80 878 690							●					

6 function indexable jaw

- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲ M<sub>max</sub> = 60 Nm
- ▲ Including fixation screws

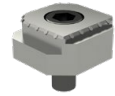
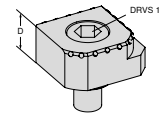


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18							80 892 246	●	●	●	●	●	●	●	●	●	●	●	●

## System jaws overview

### 6x indexable jaw, carbide grip

- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
			18						

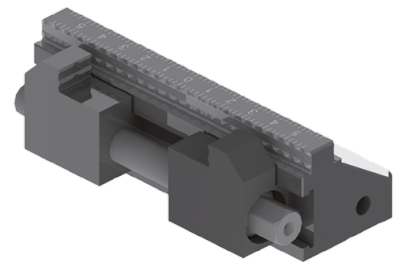
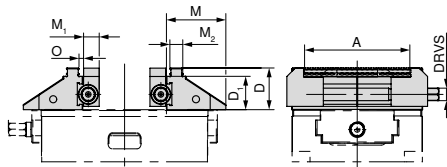
80 890 35300	•	•	•	•	•	•	•	•	•	•	•
	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	H5G 2	ZSG 4	ZSG mini	DSG 4	Verso	H5G

## 6 face jaw system for 125 mm jaw width

### Scope of supply:

2 System jaws with 2 pairs of transverse jaws in T-slot guidance incl. fixing screws

**ZSG**  
4



for width mm	A mm	D mm	D <sub>1</sub> mm	M mm	M <sub>1</sub> mm	M <sub>2</sub> mm	O mm	DRVS mm	WT kg
125	37 - 101	40	32	57	15	12,4	3,3	12	3,8

80 878 ...

525

## ZSG mini



## Centric vice for small parts

ZSG mini in mechanical version with high clamping force and quick change jaws. Ideal for blank and finished part machining, multi-clamping and automation.

## Your benefits:

- ▲ Fast jaw changeover without tools
- ▲ Compact and precise
- ▲ Optimum accessibility from all sides
- ▲ Exchangeable jaw widths (45 mm and 70 mm)
- ▲ High clamping force and large clamping range
- ▲ Clamping system for automation
- ▲ Stainless, hardened base body



## Clamping/aligning:



Clamping with two M6 screws from above through the base body.



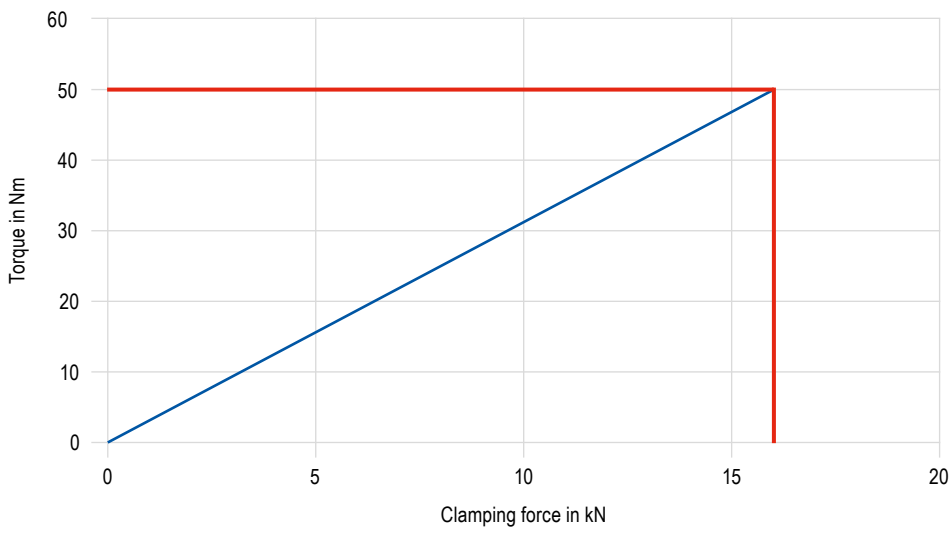
Clamping with two M6 screws from above through the base body. Alignment can be performed using  $\varnothing 12^{H7}$  precision holes.



Both versions come with mounting holes for the LANG zero point clamping system, Quick Point 52 x 52.

Clamping force:

ZSG mini tightening torque/clamping force

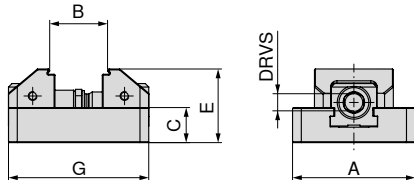


# CentriClamp – ZSG mini

- ▲ Centric vice for small parts
- ▲ Without system jaws
- ▲ Fast jaw changeover without tools
- ▲ Compact and precise
- ▲ Optimum accessibility from all sides
- ▲ Exchangeable jaw widths (45 mm and 70 mm)
- ▲ Stainless, hardened base body

**Scope of supply:**

ZSG mini base body with spindle



**NEW**

**80 912 ...**

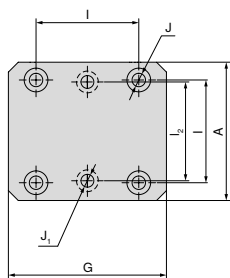
A	B	C	E	G	MXC	DRVS	WT	
mm	mm	mm	mm	mm	kN	mm	kg	
70	7 - 57	20	42	80	16	11	0,9	<b>07000</b>
70	7 - 77	20	42	100	16	11	1,1	<b>07100</b>

*Vice guide*

Underside Dimensions	<b>94</b>	Structural dimension tables for the different jaws	<b>95-97</b>
System accessories	<b>98-100</b>	MNG-/PNG zero point clamping system	<b>134-163</b>
General accessories	<b>164-183</b>		

## ZSG mini underside dimensions

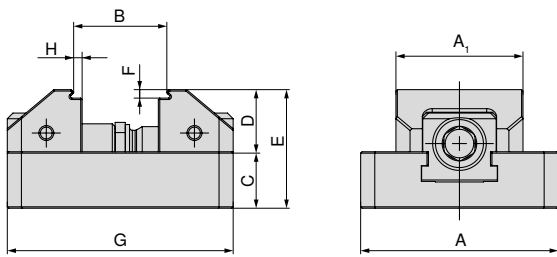
### Base width 70 mm



A	J <sub>1</sub>	J <sub>H7</sub>	l <sub>2 ±0,01</sub>	l <sub>±0,01</sub>	G
mm	mm	mm	mm	mm	mm
70	6,5	12	50	52	80
70	6,5	12	50	52	100

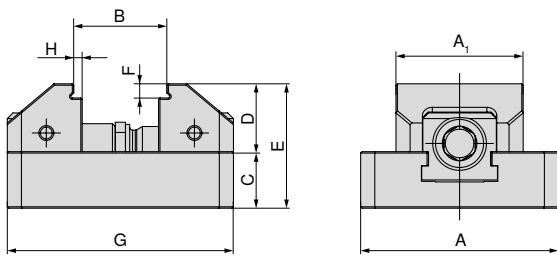
## ZSG Mini – structural dimension table for the different jaws

With quick change jaw, grip 3 mm



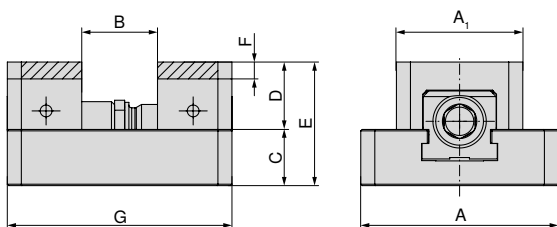
A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Article no. System jaws
70	45	7 - 33	20	22	42	3	80	3	2 x <b>80 912 30100</b>
70	70	7 - 33	20	22	42	3	80	3	2 x <b>80 912 30200</b>
70	45	7 - 53	20	22	42	3	100	3	2 x <b>80 912 30100</b>
70	70	7 - 53	20	22	42	3	100	3	2 x <b>80 912 30200</b>

With quick change jaw, smooth step 5 mm



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Article no. System jaws
70	45	7 - 33	20	24	44	5	80	3	2 x <b>80 912 30300</b>
70	70	7 - 33	20	24	44	5	80	3	2 x <b>80 912 30400</b>
70	45	7 - 53	20	24	44	5	100	3	2 x <b>80 912 30300</b>
70	70	7 - 53	20	24	44	5	100	3	2 x <b>80 912 30400</b>

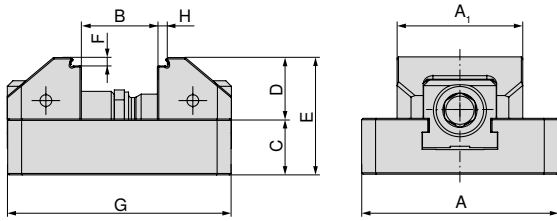
With quick change jaw, soft, steel



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	Article no. System jaws
70	45	0 - 26	20	24	44	6	80	2 x <b>80 912 31000</b>
70	70	0 - 26	20	24	44	6	80	2 x <b>80 912 31100</b>
70	45	0 - 46	20	24	44	6	80	2 x <b>80 912 31000</b>
70	70	0 - 46	20	24	44	6	80	2 x <b>80 912 31100</b>

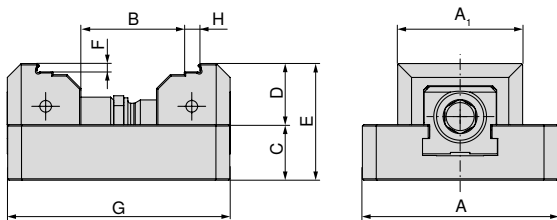
## ZSG Mini – structural dimension table for the different jaws

With quick change jaw embossed profile



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Article no. System jaws
70	45	7 - 32	20	22	44	3	80	3	2 x <b>80 912 31200</b>
70	70	7 - 32	20	22	44	3	80	3	2 x <b>80 912 31300</b>
70	45	7 - 52	20	22	44	3	100	3	2 x <b>80 912 31200</b>
70	70	7 - 52	20	22	44	3	100	3	2 x <b>80 912 31300</b>

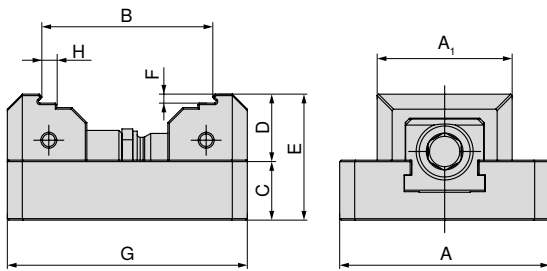
With quick change jaw embossed profile, VS



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Article no. System jaws
70	45	31 - 56	20	22	44	3	80	5	2 x <b>80 912 31400</b>
70	70	31 - 56	20	22	44	3	80	5	2 x <b>80 912 31500</b>
70	45	31 - 76	20	22	44	3	100	5	2 x <b>80 912 31400</b>
70	70	31 - 76	20	22	44	3	100	5	2 x <b>80 912 31500</b>

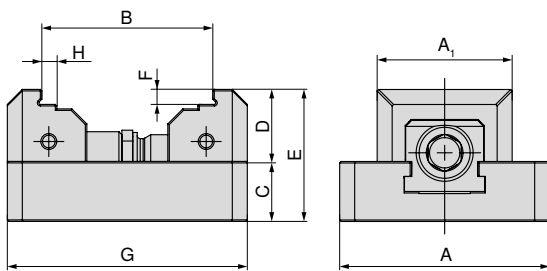
## ZSG Mini – structural dimension table for the different jaws

With quick change jaw, VS, grip 3 mm



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Article no. System jaws
70	45	31 - 57	20	22	42	3	80	5	2 x 80 912 30500
70	70	31 - 57	20	22	42	3	80	5	2 x 80 912 30600
70	45	31 - 77	20	22	42	3	100	5	2 x 80 912 30500
70	70	31 - 77	20	22	42	3	100	5	2 x 80 912 30600

With quick change jaw, VS, smooth 5 mm



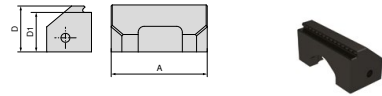
A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Article no. System jaws
70	45	31 - 56	20	24	44	5	80	5	2 x 80 912 30700
70	70	31 - 56	20	24	44	5	80	5	2 x 80 912 30800
70	45	31 - 76	20	24	44	5	100	5	2 x 80 912 30700
70	70	31 - 76	20	24	44	5	100	5	2 x 80 912 30800



## System jaws overview

### Quick change jaw, grip 3 mm

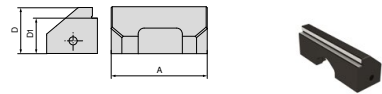
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
70	45		22	19						80 912 30100								●				
70	70		22	19						80 912 30200								●				

### Quick change jaw, smooth step 5 mm

▲ Price per piece

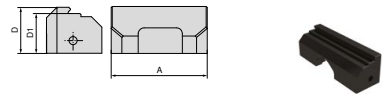


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
70	45		24	19						80 912 30300								●				
70	70		24	19						80 912 30400								●				

### Quick change jaw, VS, grip 3 mm

▲ Price per piece

▲ VS = Larger clamping range

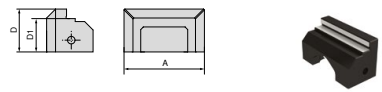


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
70	45		22	19						80 912 30500								●				
70	70		22	19						80 912 30600								●				

### Quick change jaw, VS, smooth 5 mm

▲ Price per piece

▲ VS = Larger clamping range

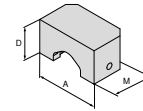


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
70	45		24	19						80 912 30700								●				
70	70		24	19						80 912 30800								●				

## System jaws overview

### Quick change jaw, soft, steel

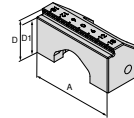
- ▲ Material: 15NiCr13
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
70	45		24				26,5			80 912 31000								●					
70	70		24				26,5			80 912 31100								●					

### Quick change jaw embossed profile

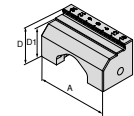
- ▲ Price per piece
- ▲ suitable for LANG embossed profile



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
70	45		22	19						80 912 31200								●					
70	70		22	19						80 912 31300								●					

### Quick change jaw embossed profile, VS

- ▲ Price per piece
- ▲ Suitable for LANG embossed profile
- ▲ VS = Larger clamping range



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
70	45		22	19						80 912 31400								●					
70	70		22	19						80 912 31500								●					

## System accessories overview

### Socket

▲ Suitable for 3/8" square drive

ESG 4	ZSG 4
ZSG mini	DSG 4
MSG 2	



Square		DRVS	80 875 ...
3/8"		mm	11100



→ Page 176+180

Here you will find the suitable „magnetic workpiece stop“ and „torque key“ (article numbers 80 892 23800 and 80 884 402).

### Allen cap screw

▲ Price per piece

ZSG mini
-------------

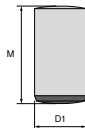


G		80 912 ...
M6x25		50100

### Cylindrical pin

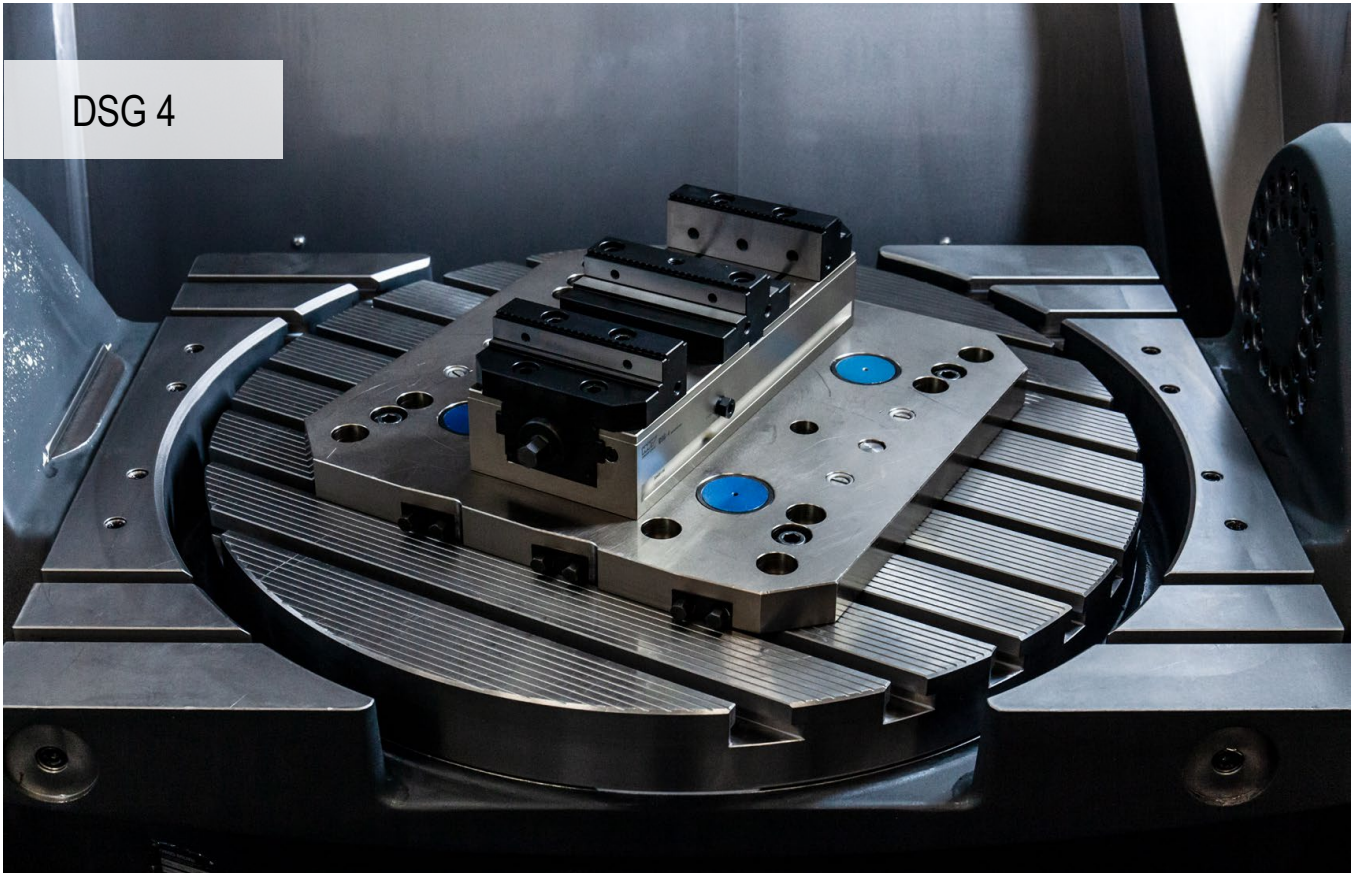
▲ Price per piece

ZSG mini
-------------



D <sub>1</sub> m6		M	80 912 ...
mm		mm	50200
12		18	

## DSG 4



## High accuracy and efficiency

The user-friendly DSG 4 clamping system guarantees consistently high precision and a wide application range.

## Your benefits:

- ▲ Straightforward, stable third-hand function
- ▲ Quick and easy positioning on the MNG zero point clamping system
- ▲ High clamping force between 5 – 40 kN with low tightening torque
- ▲ Quick and easy jaw change with 2 screws
- ▲ Extensive modular jaw range

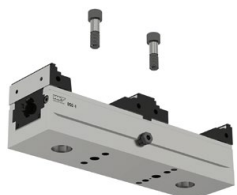
## Clamping/aligning:



Mounting with MNG zero point clamping system  
(2-3 mounting bolts)



Mounting through the base body with four M8 screws



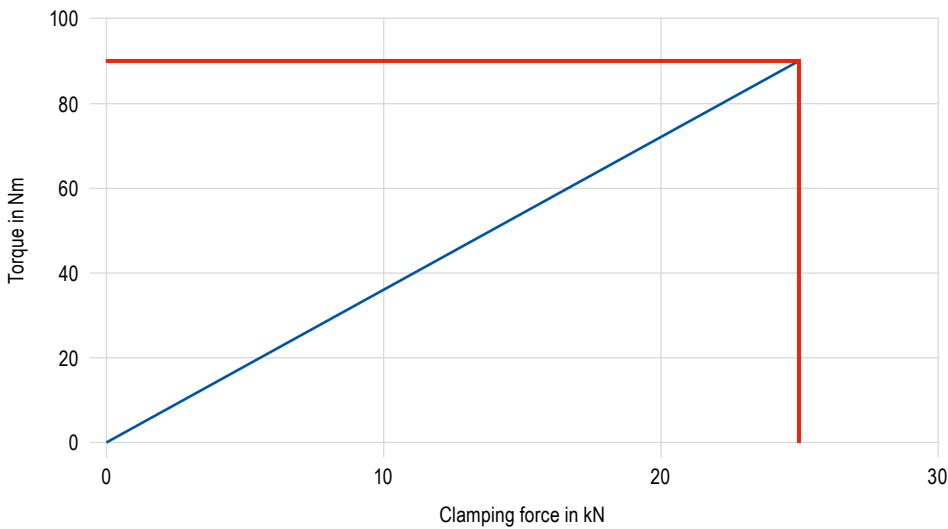
Mounting through the base body with two dowel  
screws **Article no. 80 895 019**



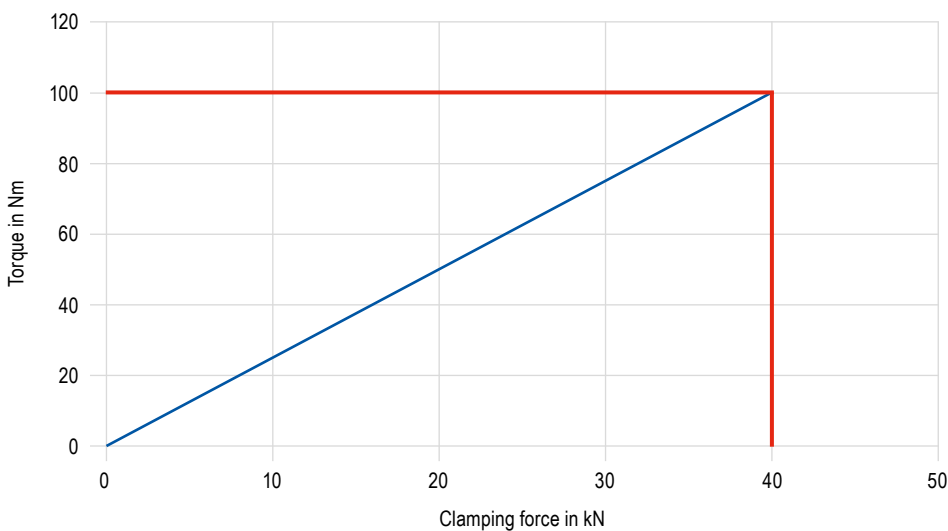
Mounting with 4-6 clamping claws  
**Article no. 80 890 315**

Clamping force:

DSG 4 – 80 mm tightening torque / clamping force



DSG 4 – 125 mm tightening torque / clamping force



'Third hand' operation

The third-hand operation function on the DSG 4 is ensured by pre-loading the rear slide with compression springs.



The lateral clamping screw A is not tightened, instead it is open approx. 1/2 turn. When the vice is fully open, the movable jaws B and C are to be placed in the appropriate slots of slides D and E and secured according to the workpiece size. Two workpieces of different sizes can also be clamped.

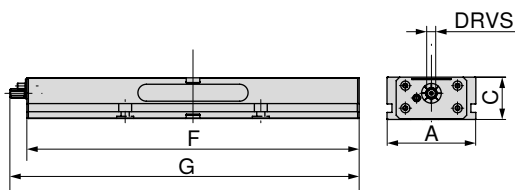
## Conversion to single vice



The rear slide is blocked via the hexagon socket grub screw and the DSG 4 can also be used as a single vice. **Important note:** Not suitable for using several vices as single vice next to one another. In this case, we advise modification with additional transverse slot in the base body and suitable fixed jaw.

## PolyClamp – DSG 4

- ▲ double vice without jaws
- ▲ 100 % encapsulated
- ▲ fast assembly and disassembly
- ▲ flexible clamping system



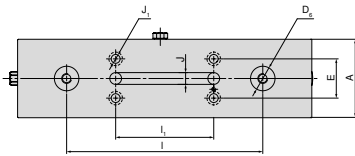
A	C	F	G	TQX	DRVS	MXC	WT	80 906 ...
mm	mm	mm	mm	Nm	mm	kN	kg	
80	55	300	308	90	12	0 - 25	8	080
125	60	320	347	100	14	0 - 40	14	125
125	60	390	417	100	14	0 - 40	17	12700
125	60	460	487	100	14	0 - 40	20	12800
125	60	530	557	100	14	0 - 40	24	12900
125	60	600	627	100	14	0 - 40	27	13000
125	60	670	697	100	14	0 - 40	30	13100
125	60	740	767	100	14	0 - 40	34	126

### Vice guide

Structural dimension tables for the different jaws	105-107	System accessories	108+110
'Third hand' operation	102	Conversion to single vice	103
MNG-/PNG zero point clamping system	134-163	General accessories	164-183

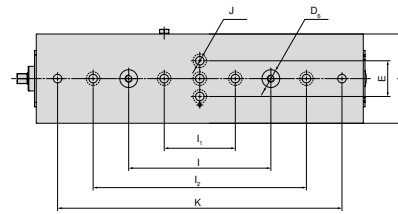
### DSG 4 underside dimensions

Base width 80 mm  
and length 300 mm



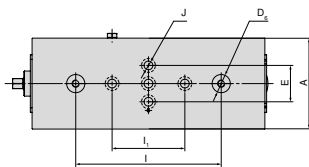
A	D <sub>6</sub> H6	E ±0.015	I ±0.01	I <sub>1</sub> ±0.01	J H7	J <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm
80	25	40	200	100	12	9

Base width 125 mm  
and length 460 mm, 530 mm



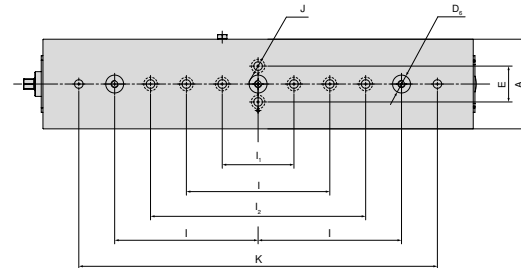
A	D <sub>6</sub> H6	E ±0.015	I ±0.01	I <sub>1</sub> ±0.01	I <sub>2</sub> ±0.002	J H7	K ±0.002
mm	mm	mm	mm	mm	mm	mm	mm
125	25	50	200	100	300	12	400
125	25	50	200	100	300	12	500

Base width 125 mm  
and length 320 mm



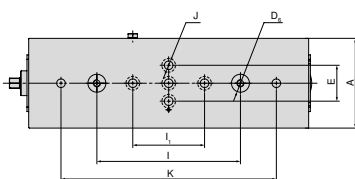
A	D <sub>6</sub> H6	E ±0.015	I ±0.01	I <sub>1</sub> ±0.01	J H7
mm	mm	mm	mm	mm	mm
125	25	50	200	100	12

Base width 125 mm  
and length 600 mm



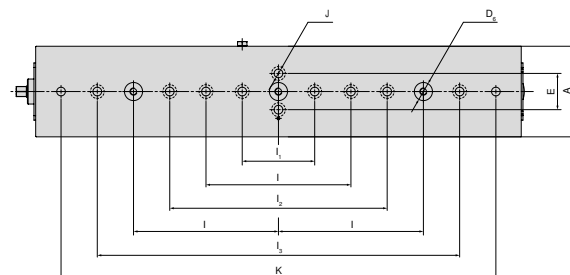
A	D <sub>6</sub> H6	E ±0.015	I ±0.01	I <sub>1</sub> ±0.01	I <sub>2</sub> ±0.002	J H7	K ±0.002
mm	mm	mm	mm	mm	mm	mm	mm
125	25	50	200	100	300	12	500

Base width 125 mm  
and length 390 mm



A	D <sub>6</sub> H6	E ±0.015	I ±0.01	I <sub>1</sub> ±0.01	J H7	K ±0.002
mm	mm	mm	mm	mm	mm	mm
125	25	50	200	100	12	300

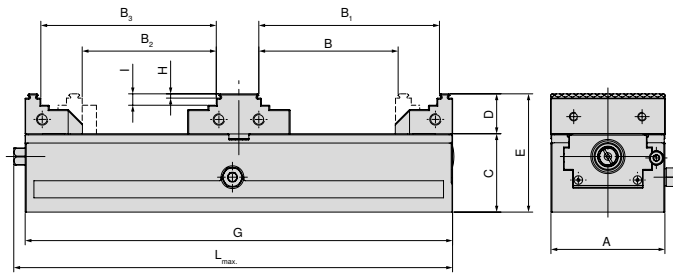
Base width 125 mm  
and length 670 mm, 740 mm



A	D <sub>6</sub> H6	E ±0.015	I ±0.01	I <sub>1</sub> ±0.01	I <sub>2</sub> ±0.002	I <sub>3</sub> ±0.025	J H7	K ±0.002
mm	mm	mm	mm	mm	mm	mm	mm	mm
125	25	50	200	100	300	500	12	600
125	25	50	200	100	300	500	12	700

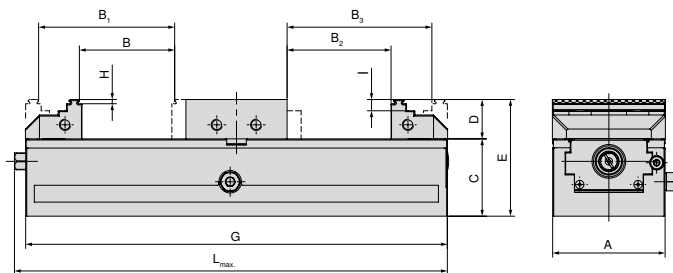
## DSG 4 structural dimension table for the different jaws

With indexable jaws, grip and centre jaw, grip



A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub>	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws
80	25 - 97	54 - 126	31 - 93	51 - 122	55	28	83	300	3	8	308	2 x <b>80 878 810</b> + <b>80 906 300</b>
125	40 - 86	75 - 121	42 - 79	68 - 114	60	40	100	320	3	18	347	2 x <b>80 901 303</b> + <b>80 906 304</b>
125	40 - 121	75 - 156	42 - 114	68 - 149	60	40	100	390	3	18	417	2 x <b>80 901 303</b> + <b>80 906 304</b>
125	40 - 156	75 - 191	42 - 149	68 - 184	60	40	100	460	3	18	487	2 x <b>80 901 303</b> + <b>80 906 304</b>
125	40 - 191	75 - 226	42 - 184	68 - 219	60	40	100	530	3	18	557	2 x <b>80 901 303</b> + <b>80 906 304</b>
125	40 - 226	75 - 261	42 - 219	68 - 254	60	40	100	600	3	18	627	2 x <b>80 901 303</b> + <b>80 906 304</b>
125	40 - 261	75 - 296	42 - 254	68 - 289	60	40	100	670	3	18	697	2 x <b>80 901 303</b> + <b>80 906 304</b>
125	40 - 296	75 - 331	42 - 289	68 - 324	60	40	100	740	3	18	767	2 x <b>80 901 303</b> + <b>80 906 304</b>

With indexable jaws, grip and centre jaw, smooth

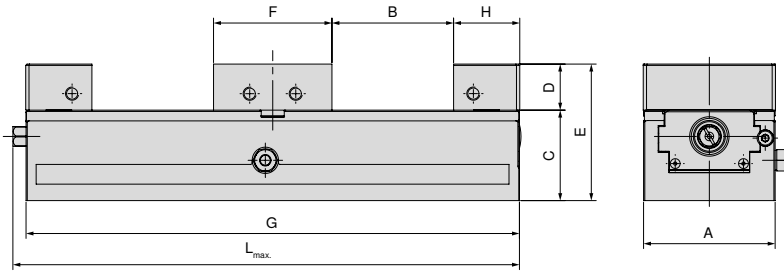


A mm	B mm	B <sub>1</sub> mm	B <sub>2</sub> mm	B <sub>3</sub>	C mm	D mm	E mm	G mm	H mm	I mm	L <sub>max</sub> mm	Article no. System jaws
80	5 - 67	34 - 96	0 - 73	40 - 102	55	28	83	300	3	8	308	2 x <b>80 878 810</b> + <b>80 906 301</b>
125	7 - 44	42 - 77	0 - 47	46 - 82	60	40	100	320	3	18	347	2 x <b>80 901 303</b> + <b>80 906 305</b>
125	7 - 79	42 - 112	0 - 82	46 - 117	60	40	100	390	3	18	417	2 x <b>80 901 303</b> + <b>80 906 305</b>
125	7 - 114	42 - 149	0 - 117	46 - 152	60	40	100	460	3	18	487	2 x <b>80 901 303</b> + <b>80 906 305</b>
125	7 - 147	42 - 182	0 - 152	46 - 187	60	40	100	530	3	18	557	2 x <b>80 901 303</b> + <b>80 906 305</b>
125	7 - 184	42 - 217	0 - 187	46 - 222	60	40	100	600	3	18	627	2 x <b>80 901 303</b> + <b>80 906 305</b>
125	7 - 219	42 - 252	0 - 222	46 - 257	60	40	100	670	3	18	697	2 x <b>80 901 303</b> + <b>80 906 305</b>
125	7 - 254	42 - 287	0 - 257	46 - 292	60	40	100	740	3	18	767	2 x <b>80 901 303</b> + <b>80 906 305</b>



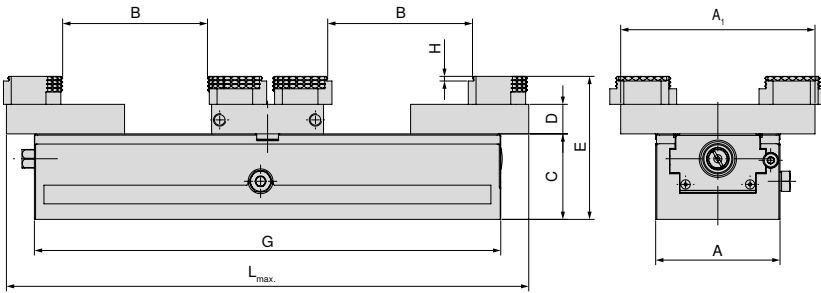
## DSG 4 structural dimension table for the different jaws

With block jaws and centre jaw smooth



A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L <sub>max.</sub> mm	Article no. System jaws
80	0 - 73	55	28	83	72	300	40	308	2 x 80 901 31300 + 80 906 301
125	0 - 46	60	40	100	98	320	66	347	2 x 80 901 31500 + 80 906 305
125	0 - 81	60	40	100	98	390	66	417	2 x 80 901 31500 + 80 906 305
125	0 - 116	60	40	100	98	460	66	487	2 x 80 901 31500 + 80 906 305
125	0 - 151	60	40	100	98	530	66	557	2 x 80 901 31500 + 80 906 305
125	0 - 186	60	40	100	98	600	66	627	2 x 80 901 31500 + 80 906 305
125	0 - 221	60	40	100	98	670	66	697	2 x 80 901 31500 + 80 906 305
125	0 - 256	60	40	100	98	740	66	767	2 x 80 901 31500 + 80 906 305

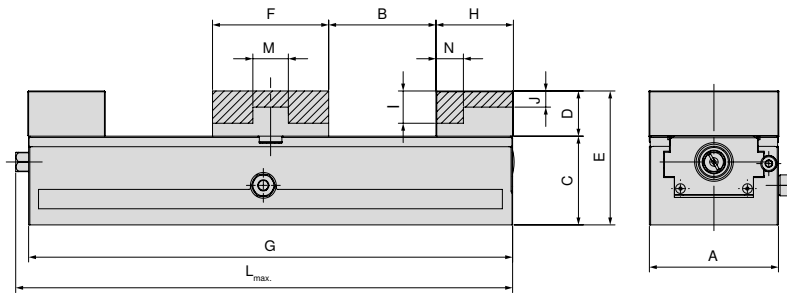
With pendulum and adapter plate



A mm	A <sub>1</sub> mm	B mm	C mm	D mm	E mm	G mm	H mm	L <sub>max.</sub> mm	Article no. System jaws
80	125	0 - 92	55	19	92	300	3	308	2 x 80 878 870 + 80 906 303
125	180	7 - 92	60	22	100	320	3	365	2 x 80 878 570 + 80 906 307
125	180	7 - 133	60	22	100	390	3	435	2 x 80 878 570 + 80 906 307
125	180	7 - 168	60	22	100	460	3	505	2 x 80 878 570 + 80 906 307
125	180	7 - 203	60	22	100	530	3	575	2 x 80 878 570 + 80 906 307
125	180	7 - 238	60	22	100	600	3	645	2 x 80 878 570 + 80 906 307
125	180	7 - 273	60	22	100	670	3	715	2 x 80 878 570 + 80 906 307
125	180	7 - 308	60	22	100	740	3	785	2 x 80 878 570 + 80 906 307

# DSG 4 structural dimension table for the different jaws

With aluminium jaws and aluminium centre jaw

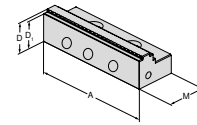


A	B	C	D	E	F	G	H	I	J	L <sub>max.</sub>	M	N	Article no. System jaws	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		
80	0 - 66	55	28	83	72	300	40	20	10	308	22	17	2 x	<b>80 878 850 + 80 906 302</b>
125	0 - 42	60	40	100	98	320	68		17	347	38	28	2 x	<b>80 878 550 + 80 906 306</b>
125	0 - 77	60	40	100	98	390	68		17	417	38	28	2 x	<b>80 878 550 + 80 906 306</b>
125	0 - 112	60	40	100	98	460	68		17	487	38	28	2 x	<b>80 878 550 + 80 906 306</b>
125	0 - 147	60	40	100	98	530	68		17	557	38	28	2 x	<b>80 878 550 + 80 906 306</b>
125	0 - 182	60	40	100	98	600	68		17	627	38	28	2 x	<b>80 878 550 + 80 906 306</b>
125	0 - 217	60	40	100	98	670	68		17	697	38	28	2 x	<b>80 878 550 + 80 906 306</b>
125	0 - 252	60	40	100	98	740	68		17	767	38	28	2 x	<b>80 878 550 + 80 906 306</b>

## System jaws overview

### Indexable jaw, grip 3 mm, movable

▲ Price per piece



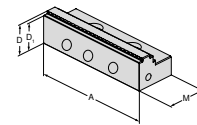
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125	125		40	37			66		

80 901 303

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			●	●				●		

### Indexable jaw, grip 3 mm, movable

▲ Price per piece



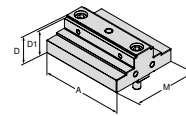
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28	25			40		

80 878 810

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			●	●		●		●		

### Centre jaw, grip

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28	25			72		
125	125		40	37			98		

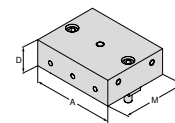
80 906 300

80 906 304

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
								●		
								●		

### Centre jaw, smooth

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80	80		28				72		
125	125		40				98		

80 906 301

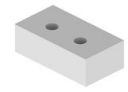
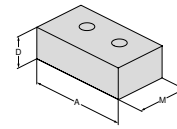
80 906 305

NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
								●		
								●		

## System jaws overview

### Alu jaw, movable

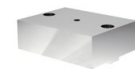
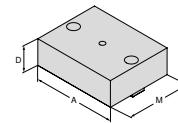
- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				48			80 878 850				●	●		●		●			
125	125		40				68			80 878 550				●					●			

### Centre jaw, Alu

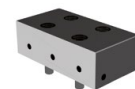
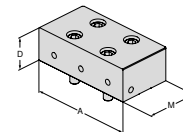
- ▲ for producing shaped jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				72			80 906 302										●		
125	125		40				98			80 906 306										●		

### Block jaw, movable

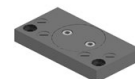
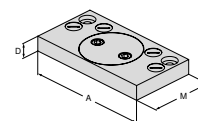
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	80		28				40			80 901 31300				●	●		●		●			
125	125		40				66			80 901 31500				●					●			

### Pendulum jaw, movable

- ▲ to accommodate 6-way reversible jaws
- ▲ Price per piece

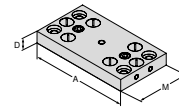


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	125		19				76			80 878 870												
125	180		22				95			80 878 570				●			●		●			

## System jaws overview

### Centre jaw adapter plate, fixed

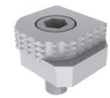
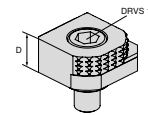
- ▲ to accommodate 6-way reversible jaws
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80	125		19				72			80 906 303												
125	180		22				98			80 906 307												

### 6 function indexable jaw

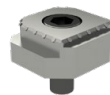
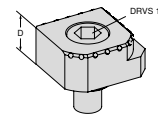
- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲ M<sub>max</sub> = 60 Nm
- ▲ Including fixation screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18							80 892 246	●	●	●	●				●		●	●	

### 6x indexable jaw, carbide grip

- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18							80 890 35300	●	●	●	●				●		●	●	

## System accessories overview

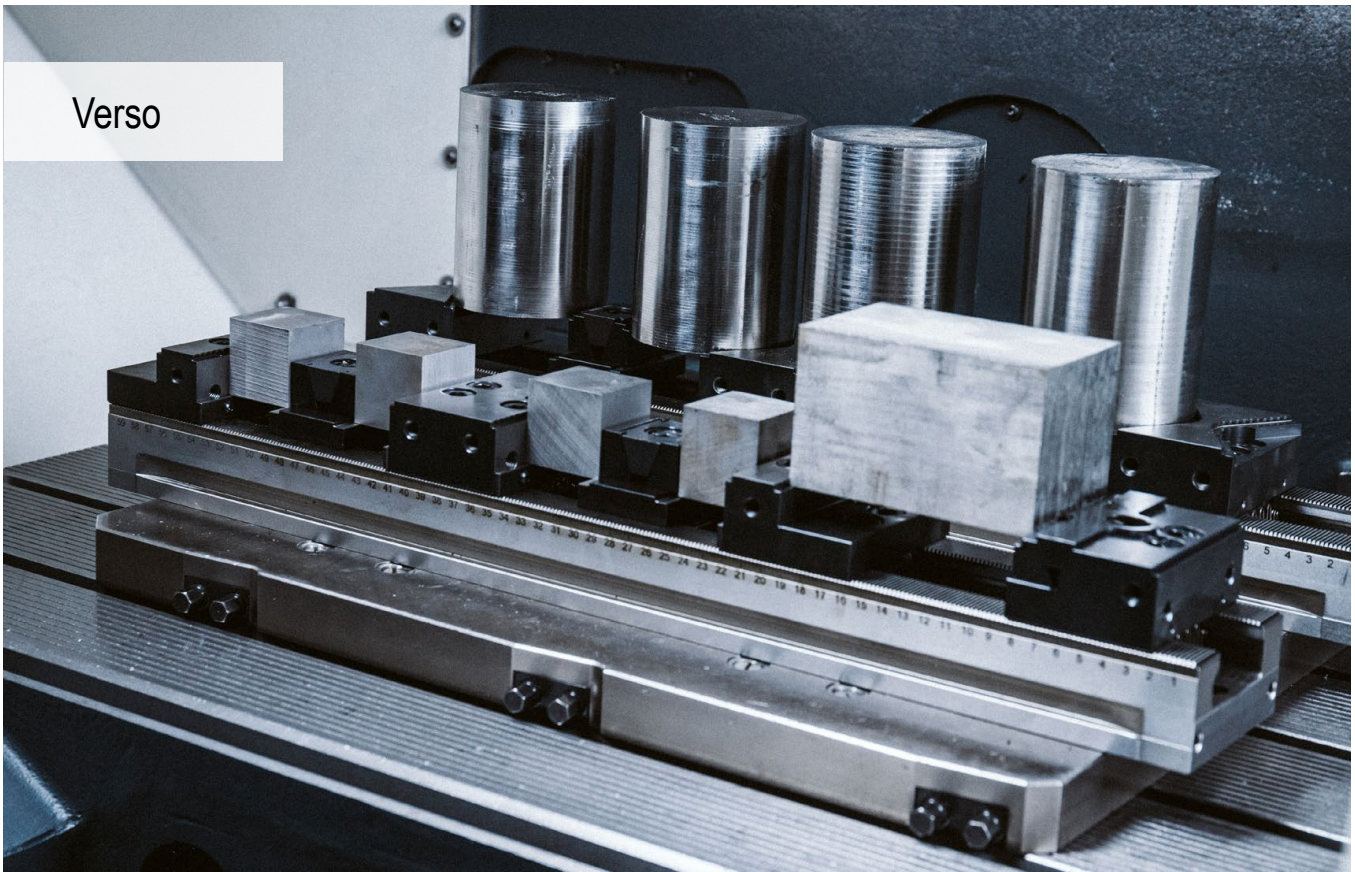
### Plastic protection plugs

DSG  
4



80 906 ...

G	M10x12	500
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## The all-rounder for workpiece clamping

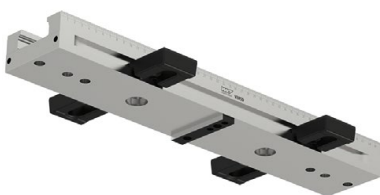
The new multiple vice enables you to easily clamp many small and large workpieces on a 3-, 4-, or 5-axis machine. Even slimmer jaws have further increased the part thickness.

### Your benefits:

- ▲ Hardened and ground teeth ensure the highest level of precision and dimensional stability
- ▲ Fast jaw changeover system for fixed and adjustable jaws
- ▲ Full modular range for all types of machining centres
- ▲ Multi-clamping with wedge grip elements
- ▲ Extensive modular system jaw range
- ▲ Simple clamping bar extension with connecting element



### Clamping/aligning:



Using T-slots or screws  
Alignment in the T-slot (14, 16, 18 mm)  
with the matching alignment set for T-slots.  
For 12 mm T-slot: use two  $\varnothing$  12 cylinder pins.



Using clamping claws  
Alignment set and clamping using  
clamping claws attached at the side.



Using grid holes  
Position and fasten the workpieces using  
two  $\varnothing$ 12f7 / M12 dowel screws in the  
first and last holes of the clamping bar.  
Additional fastening using M12 cylindrical  
screws in the remaining holes.

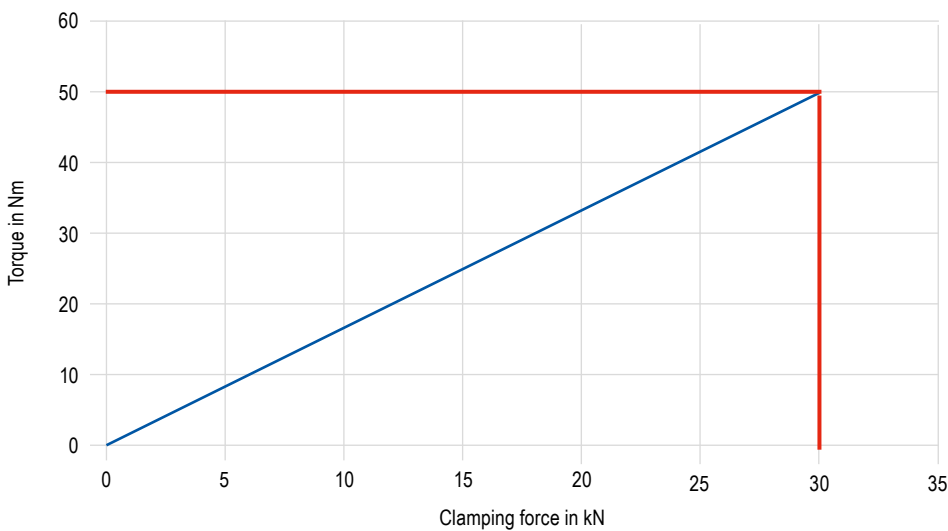
### Clamping/aligning:



With a zero point clamping system  
The clamping bar is equipped with MNG interfaces that enable MNG clamping bolts to be attached (up to a base body length of 500 mm = 2 clamping bolts / from 600 mm upwards = 3 clamping bolts).

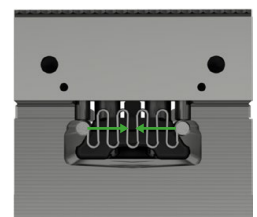
### Clamping force:

#### Verso tightening torque/clamping force

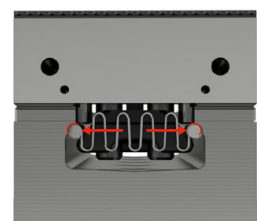


### Quick jaw change for fixed and adjustable jaws

The Verso multiple vice is equipped with a quick jaw change system as standard. Simply use the two screws to release, remove or reposition the fixed and adjustable jaw. The jaws are removed in an upwards direction, allowing each jaw to be removed individually, without taking out any others. This reduces the set-up time significantly.



Release position



Clamping position



Undo screws



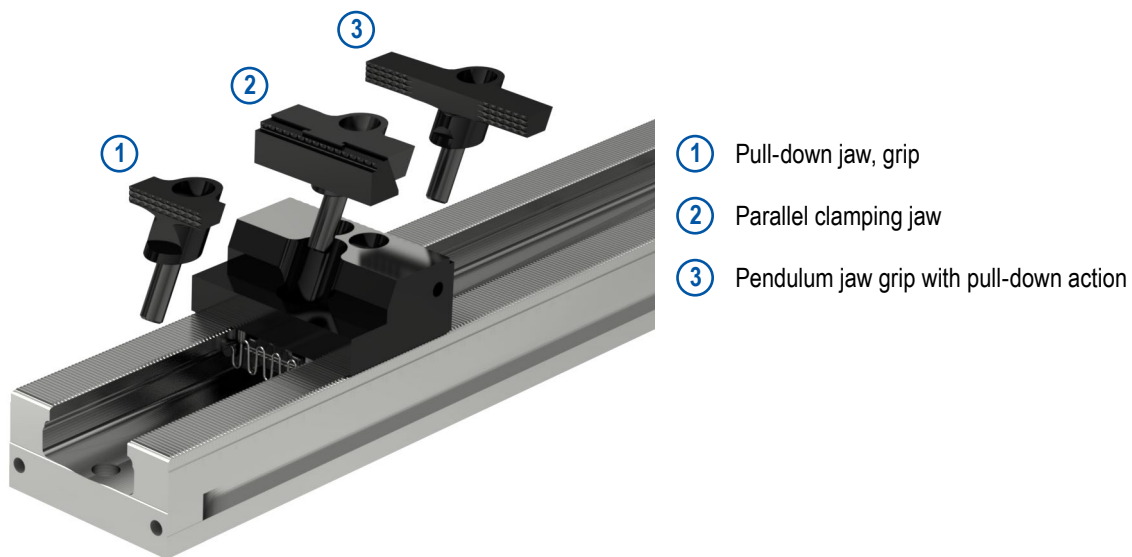
Take off and insert



Tighten screws

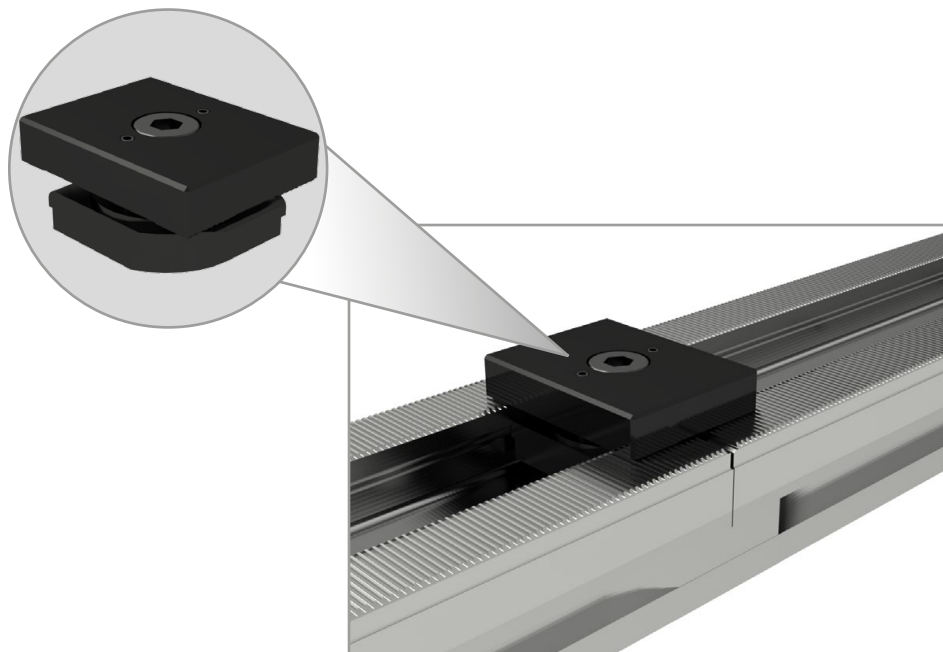
## Quick jaw change

The fixed and adjustable jaws of the Verso multiple vice system are equipped with a quick jaw change system as standard. Two screws can be used to release and change the jaw, making jaw changes extremely quick.



## Connecting the clamping bars

A connecting element allows two or more Verso clamping bars to be combined with one another or extended.



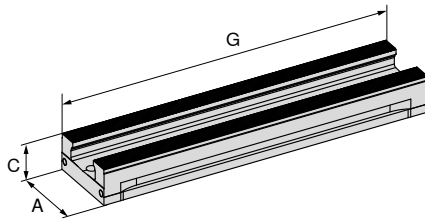
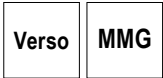


# PolyClamp – Verso

- ▲ For single and multi-clamping
- ▲ Multi-clamping with wedge grip elements
- ▲ Workpieces can be clamped on 3-, 4- or 5-axis machine
- ▲ Adapter plates for MNG available

**Scope of supply:**

Body without jaws



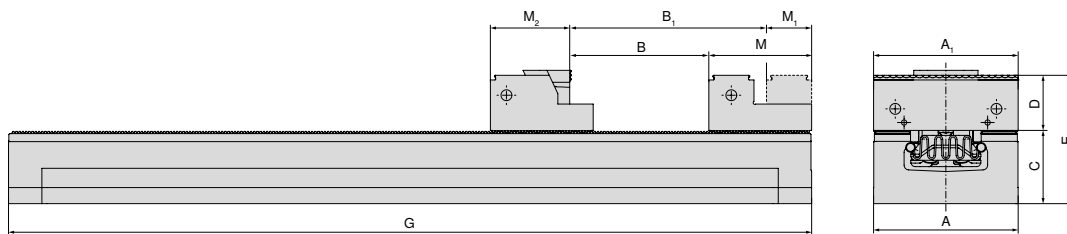
**NEW**

**80 914 ...**

A mm	C mm	G mm	MXC kN	WT kg	
90	45	260	0 - 50	5,0	09000
90	45	400	0 - 50	7,7	09100
90	45	500	0 - 50	9,6	09200
90	45	600	0 - 50	11,5	09300
90	45	650	0 - 50	12,5	09400

## Verso – Structural dimension table

### Clamping rail



A mm	A <sub>1</sub> mm	B mm	B <sub>1</sub> mm	C mm	D mm	E mm	G mm	M mm	M <sub>1</sub> mm	M <sub>2</sub> mm
90	40 / 65 / 90	145	181	45	35	80	260	64	28	53,5
90	40 / 65 / 90	285	321	45	35	80	400	64	28	53,5
90	40 / 65 / 90	385	421	45	35	80	500	64	28	53,5
90	40 / 65 / 90	485	521	45	35	80	600	64	28	53,5
90	40 / 65 / 90	535	571	45	35	80	650	64	28	53,5



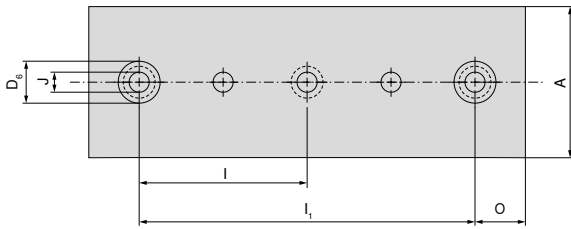
When using the 90 mm pendulum jaw grip and parallel clamping jaws, dimensions B, B<sub>1</sub> and M<sub>2</sub> will differ.

*Vice guide*

Underside Dimensions	115	Overview of clamping ranges	116
System accessories	117–124	General accessories	164–183

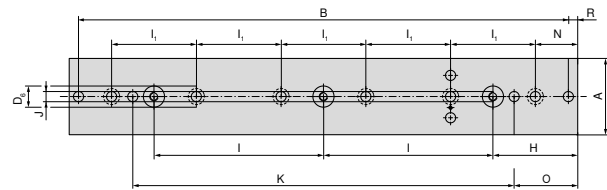
## Verso underside dimensions

Base width 90 mm and length 260 mm



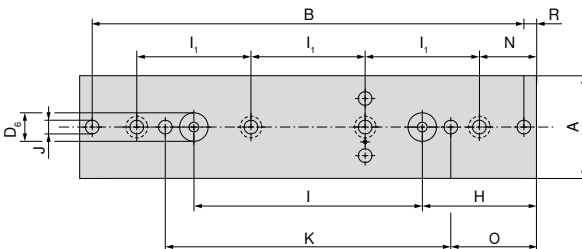
A	D <sub>6</sub> H7	I <sub>±0.015</sub>	I <sub>1±0.015</sub>	J <sub>F7</sub>	O <sub>±0.015</sub>
mm	mm	mm	mm	mm	mm
90	25	100	200	12	30

Base width 90 mm and length 600 mm



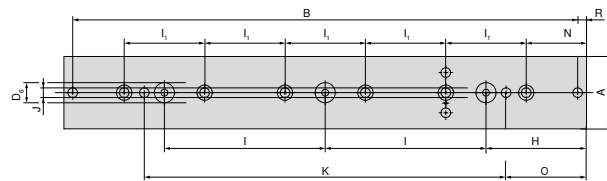
A	B	D <sub>6</sub> H7	H <sub>±0.015</sub>	I <sub>±0.015</sub>	I <sub>1±0.015</sub>	J <sub>F7</sub>	K <sub>±0.015</sub>	N	O <sub>±0.015</sub>	R
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90	578	25	100	200	100	12	450	50	75	11

Base width 90 mm and length 400 mm



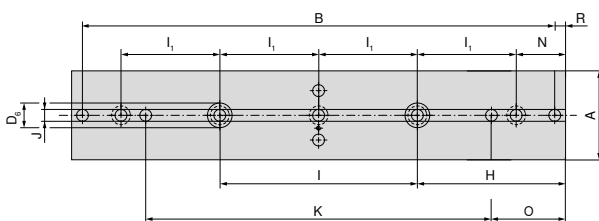
A	B	D <sub>6</sub> H7	H <sub>±0.015</sub>	I <sub>±0.015</sub>	I <sub>1±0.015</sub>	J <sub>F7</sub>	K <sub>±0.015</sub>	N	O <sub>±0.015</sub>	R
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90	378	25	100	200	100	12	250	50	75	11

Base width 90 mm and length 650 mm



A	B	D <sub>6</sub> H7	H <sub>±0.015</sub>	I <sub>±0.015</sub>	I <sub>1±0.015</sub>	J <sub>F7</sub>	K <sub>±0.015</sub>	N	O <sub>±0.015</sub>	R
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90	628	25	125	200	100	12	450	75	100	11

Base width 90 mm and length 500 mm

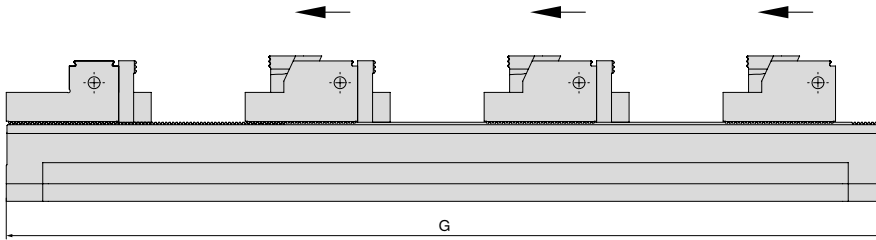


A	B	D <sub>6</sub> H7	H <sub>±0.015</sub>	I <sub>±0.015</sub>	I <sub>1±0.015</sub>	J <sub>F7</sub>	K <sub>±0.015</sub>	N	O <sub>±0.015</sub>	R
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90	478	25	150	200	100	12	350	50	75	11

## Verso – Overview of clamping ranges

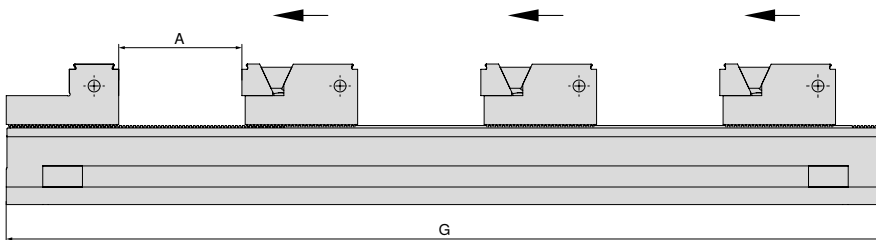
The clamping range shows the max. workpiece size depending on the number of clamping points for the individual clamping bar lengths.

### Adjustable jaws with 40 mm pull-down jaw grip



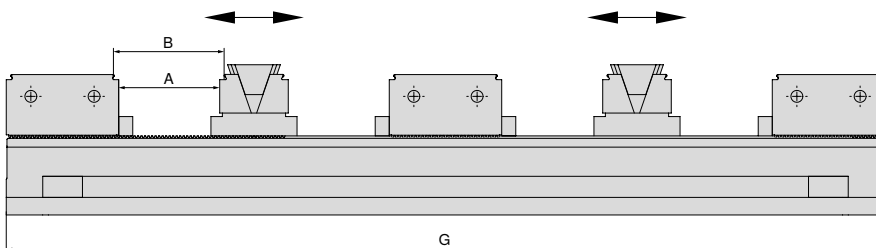
G mm	Number of workpieces							Article no. Vices
	1	2	3	4	5	6	7	
260	134	36	–	–	–	–	–	<b>80 914 09000</b>
400	274	106	50	22	–	–	–	<b>80 914 09100</b>
500	374	156	82	45	24	–	–	<b>80 914 09200</b>
600	474	206	116	72	44	26	–	<b>80 914 09300</b>
650	524	230	135	84	54	34	20	<b>80 914 09400</b>

### Adjustable jaws with parallel clamping jaws



G mm	Number of workpieces									Article no. Vices
	1 A	2 A	3 A	4 A	5 A	6 A	7 A	8 A	9 A	
260	175	59	–	–	–	–	–	–	–	<b>80 914 09000</b>
400	315	129	67	27	10	–	–	–	–	<b>80 914 09100</b>
500	415	179	100	61	30	15	–	–	–	<b>80 914 09200</b>
600	515	229	133	86	57	32	19	10	–	<b>80 914 09300</b>
650	565	254	150	98	67	46	26	16	8	<b>80 914 09400</b>

### With wedge grip elements



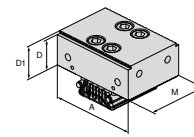
G mm	Number of workpieces								Article no. Vices
	2		4		6		8		
	A	B	A	B	A	B	A	B	
260	45	50	–	–	–	–	–	–	<b>80 914 09000</b>
400	115	120	31	36	–	–	–	–	<b>80 914 09100</b>
500	165	170	56	61	19	24	–	–	<b>80 914 09200</b>
600	215	220	81	86	36	41	14	19	<b>80 914 09300</b>
650	240	245	93	98	44	49	20	25	<b>80 914 09400</b>

## System jaws overview

### Stop jaw, fixed, grip 2,9 mm

▲ Price per piece

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		32	34,9			64		



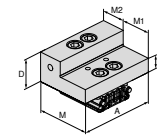
NEW

80 914 31800	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Versto	HSG
										●	

### Indexable jaw, fixed, smooth

▲ Price per piece

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		34,9	17			64	35,9	28,1



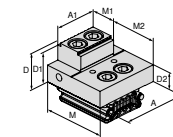
NEW

80 914 32000	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Versto	HSG
										●	

### Stop jaw, fixed, grip 2,9 mm

▲ Price per piece

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	65		34,9	32	17		64	28,1	35,9
90	65	40	34,9	32	17		64	28,1	35,9
90	90		34,9	32	17		64	28,1	35,9



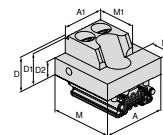
NEW

80 914 31100	80 914 31000	80 914 31200	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Versto	HSG
												●	
												●	
												●	

### Reversible adjustable jaw profiled, grip 2,9 mm

▲ Price per piece

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	65		34,9	32	17		64	42	22
90	65	40	34,9	32	17		64	42	22
90	90		34,9	32	17		64	42	22



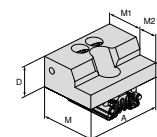
NEW

80 914 31400	80 914 31300	80 914 31500	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Versto	HSG
												●	
												●	
												●	

### Reversible adjustable jaw, smooth

▲ Price per piece

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		34,9	17			64	42	22



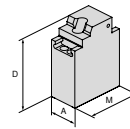
NEW

80 914 31600	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Versto	HSG
										●	

## System jaws overview

### Reversible adjustable jaw, high

▲ Price per piece



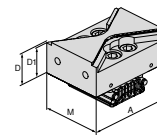
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	65		165				124		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 914 31700										●	

### Prismatic jaw, smooth, grip 2,9 mm

▲ Price per piece



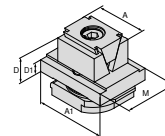
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		34,9	32			64		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 914 31900										●	

### Wedge jaw

▲ Price per piece



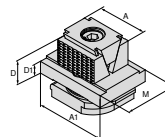
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40	65	35	11			49		
90	40	65	39	11			49		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 914 32100										●	
80 914 32400										●	

### Wedge grip jaw

▲ Price per piece



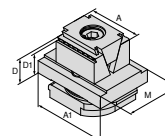
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40	65	35	11			49		
90	40	65	39	11			49		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 914 32200										●	
80 914 32500										●	

### Wedge grip jaw, 3 mm

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40	65	35	32			49		

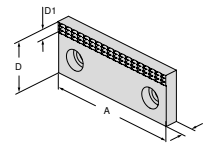
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verzo	HSG
80 914 32300										●	

## System jaws overview

### Jaw, grip

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
65	65		35	7			10		
65	40		35	7			10		
90	90		35	7			10		

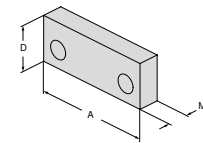
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 889 656										●	
80 889 406										●	
80 889 906										●	

### Jaw, soft

▲ Material: 16MnCr5

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
65	65		35				16		
65	40		35				16		
90	90		35				16		

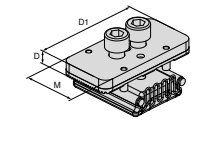
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 889 657										●	
80 889 407										●	
80 889 907										●	

### Base jaw

▲ Price per piece

▲ For Alu jaw Article no. 80 914 34200



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90			9,1	80			40		

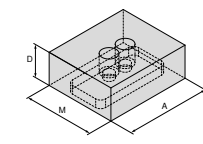
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 34100										●	

### Soft Alu-jaw

▲ Price per piece

▲ For Base jaw Article no. 80 914 34100



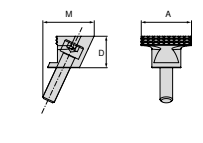
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		34,9				75		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 34200										●	

### Pull-down jaw, grip

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40		25				41		

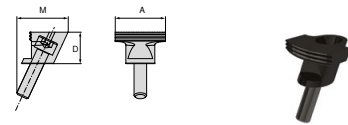
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 32600										●	

## System jaws overview

### Pull-down jaw, grip – round

▲ Price per piece



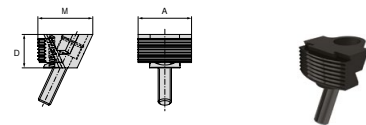
NEW

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40		25				41		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 32700										●	

### Parallel clamping jaw, grip – round

▲ Price per piece



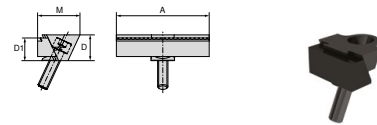
NEW

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40		25				41		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 32800										●	

### Parallel clamping jaw

▲ Price per piece



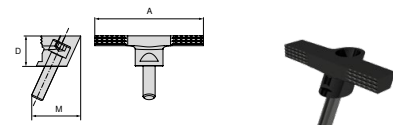
NEW

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40		25	22			41		
90	65		25	22			41		
90	90		25	22			41		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 32900										●	
80 914 33000										●	
80 914 33100										●	

### Pendulum jaw, grip

▲ Price per piece



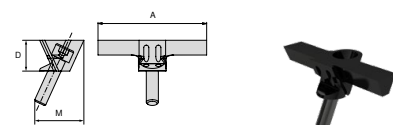
NEW

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		25				41		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 33200										●	

### Clamping Wedge

▲ Price per piece



NEW

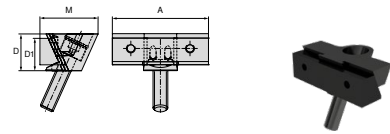
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		25				41		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 33300										●	

## System jaws overview

### Parallel clamping jaw, smooth

▲ Price per piece



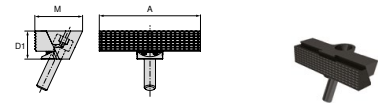
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40		25	22			41		
90	65		25	22			41		
90	90		25	22			41		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 33400											●
80 914 33500											●
80 914 33600											●

### Parallel clamping jaw, grip

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90			25			42,5		

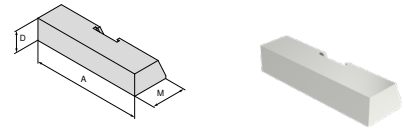
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 33700										●	

### Jaw, steel

▲ Material: 16MnCr5

▲ Price per piece



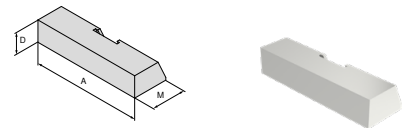
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		18				30		

NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 33800										●	

### Jaw, alu

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		18				30		

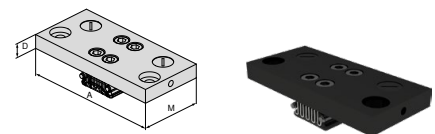
NEW

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 33900										●	

### Fixed adaptor jaw

▲ to accommodate 6-way reversible jaws

▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	160		17				74		

NEW

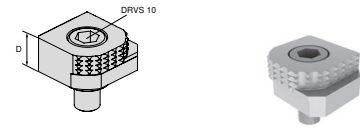
	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 34000										●	



# System jaws overview

## 6 function indexable jaw

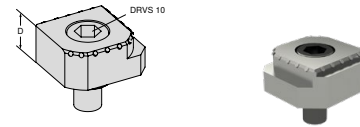
- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲  $M_{max} = 60 \text{ Nm}$
- ▲ Including fixation screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HGG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			18								80 892 246	●	●	●	●		●		●	●	

## 6x indexable jaw, carbide grip

- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws

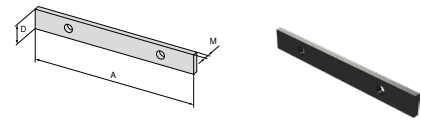


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HGG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
			18								80 890 35300	●	●	●	●		●		●	●	

# Workpiece supports overview

## Workpiece support

▲ Price for 2 pieces

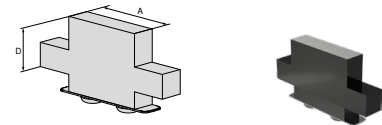


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		11				3		

NEW		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 73100											●	

## Workpiece supports, offset

▲ Price for 2 pieces

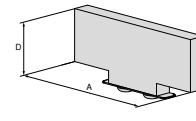


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	40		30						
90	40		25						

NEW		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 70200											●	
80 914 70100											●	

## Workpiece supports, offset

▲ Price for 2 pieces

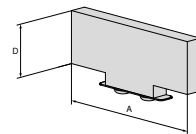


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	65		11						
90	65		17						
90	65		25						
90	65		30						

NEW		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 71100											●	
80 914 71200											●	
80 914 71300											●	
80 914 71400											●	

## Workpiece supports, offset

▲ Price for 2 pieces



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
90	90		11						
90	90		17						
90	90		25						
90	90		30						

NEW		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 914 72100											●	
80 914 72200											●	
80 914 72300											●	
80 914 72400											●	

## System accessories overview

### Adjustable stop with basic body

- ▲ for vibration damping
- ▲ height adjustable 16 – 17 mm

Verso

**NEW**

80 914 ...

H mm	A mm	M mm	
16	72	50	50100

### Clamping Screw Set for T-slot for MNG

- Scope of supply:  
Clamping screw and T-Nuts

Verso

**NEW**

80 914 ...

for slot width mm	G	
20	M12	50500
22	M12	50600
24	M12	50700

### Support

- ▲ for vibration damping: Article no. 80 914 50100

Verso

**NEW**

80 914 ...

H mm	A mm	M mm	
8	20	28	50200
13	20	28	50300

### Alignment Pin

Verso

**NEW**

80 914 ...

D <sub>1</sub> mm	D <sub>2</sub> mm	
12	14	81400
12	16	81600
12	18	81800

### Joint

- ▲ to connect 2 basic bodies

Verso

**NEW**

80 914 ...

A mm	
90	50400

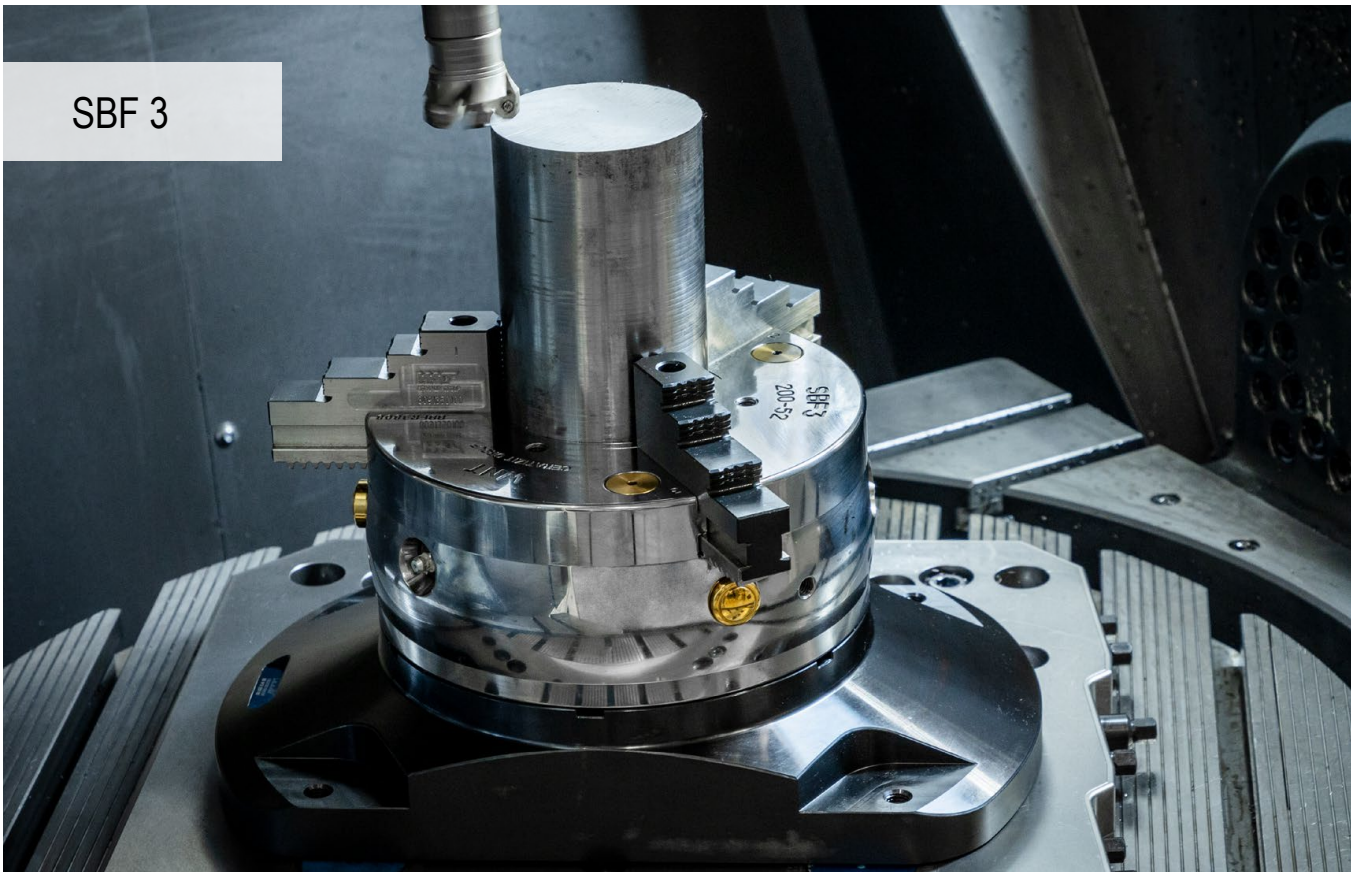
### Cover

Verso

**NEW**

80 914 ...

A mm	D mm	M mm	
50	84	0,5	51000
50	86	0,5	50800
200	86	0,5	50900



## Hotly anticipated – now also for round components

Machining round components has become daily routine for many companies. We now have a solution in the portfolio in the form of the SBF 3 stationary three-jaw chuck – fully compatible with the in-house MNG and PNG zero point clamping systems for rapid, uncomplicated handling.

### Your benefits:

- ▲ Suitable for 3/5-axis machining of round components
- ▲ Compatible with PNG and MNG zero point clamping systems
- ▲ Quick change jaw system with single release of jaws
- ▲ Spindle with hex connection

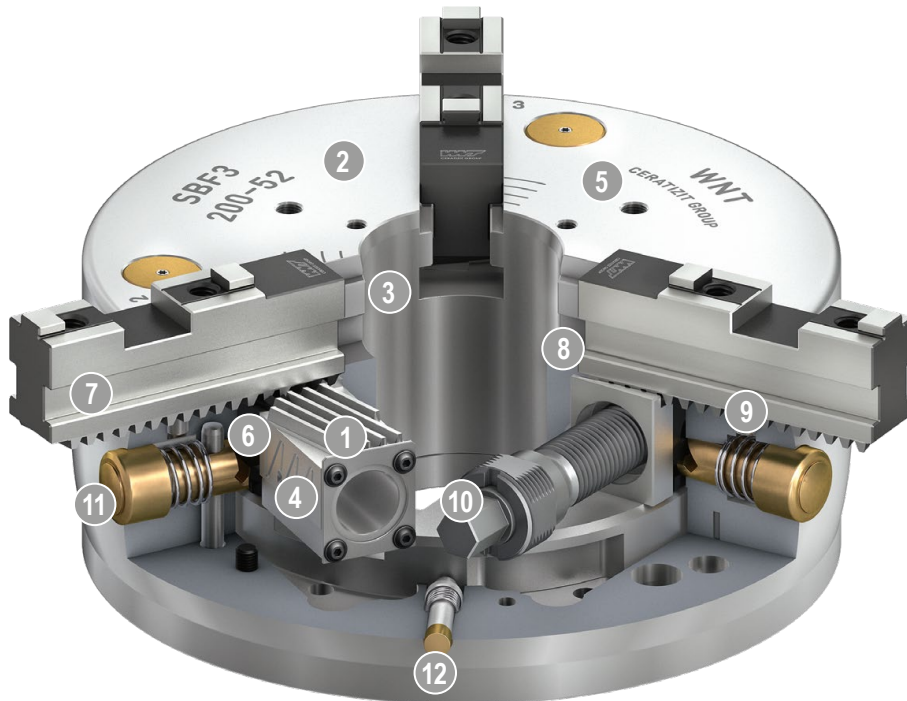


SBF 3 Ø 200 mm



SBF 3 Ø 315 mm

## Technical information – cross-section diagram



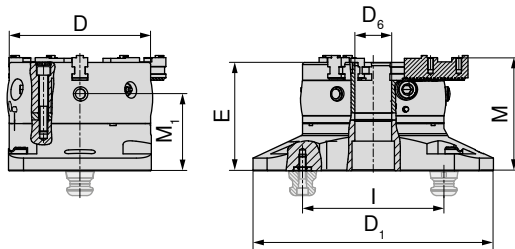
- |  |   |
|--|---|
| <p>1 <b>Wedge bar drive</b><br/>Allows for excellent machining results</p>   | <p>7 <b>Base jaws with angled teeth (SFG)</b></p>   |
| <p>2 <b>Hardened and extremely stiff base body</b><br/>Longer service life with maximum precision as a result – even at the highest clamping force</p> | <p>8 <b>Locking mechanism</b><br/>Guarantees secure engagement of the base jaw teeth with the wedge bar teeth</p> |
| <p>3 <b>Large through hole</b><br/>For machining all common bar material diameters (optional: enlargement of through hole)</p>                         | <p>9 <b>Engagement pin</b><br/>For pre-positioning the base jaw</p>   |
| <p>4 <b>Optimised lubrication system</b><br/>For high degree of efficiency</p>   | <p>10 <b>Actuation via hex connection</b><br/>Easier operation as a result</p>                                    |
| <p>5 <b>Mounting threads</b><br/>For workpiece stops or cover plates</p>   | <p>11 <b>Pushbutton for jaw change</b><br/>For extremely short setup times</p>                                    |
| <p>6 <b>Quick jaw change system</b><br/>Single release of jaws, meaning extremely short setup times</p>  | <p>12 <b>Indicator pin</b><br/>For visual stroke monitoring of the manual clamping chuck</p>                      |

## SBF 3 three-jaw chuck (Ø 200 mm) with console

- ▲ Suitable for 3/5-axis machining of round components
- ▲ Compatible with PNG and MNG zero point clamping systems (zero point clamping bolts must be ordered separately)
- ▲ Quick change jaw system with single release of jaws
- ▲ Spindle with hex connection

### Scope of supply:

SBF 3 three-jaw chuck (Ø 200 mm) including console (PNG- and MNG-compatible)  
1 set GBA base jaws  
1 set SB-H stepped jaws  
6 fixing screws and clamping key



80 913 ...

D	D <sub>1</sub>	D <sub>6</sub>	E	I	M	M <sub>1</sub>	MXC	TQX	DRVS	Stroke / jaw	Tooth pitch	WT
mm	mm	mm	mm	mm	mm	mm	kN	Nm	mm	mm	mm	kg
200	340	52	153,3	200	160,1	108,8	100	120	12	7	4,8	49,5

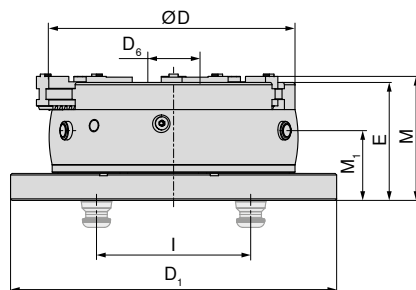
20000

## SBF 3 three-jaw chuck (Ø 315 mm) with console

- ▲ Suitable for 3/5-axis machining of round components
- ▲ Compatible with PNG and MNG zero point clamping systems (zero point clamping bolts must be ordered separately)
- ▲ Quick change jaw system with single release of jaws
- ▲ Spindle with hex connection

### Scope of supply:

SBF 3 three-jaw chuck (Ø 315 mm) including console (PNG- and MNG-compatible)  
1 set GBA base jaws  
1 set SB-H stepped jaws  
6 fixing screws and clamping key



80 913 ...

D	D <sub>1</sub>	D <sub>6</sub>	E	I	M	M <sub>1</sub>	MXC	TQX	DRVS	Stroke / jaw	Tooth pitch	WT
mm	mm	mm	mm	mm	mm	mm	kN	Nm	mm	mm	mm	kg
315	423	92	153	200	160,86	90,5	180	220	16	9,9	7	95

31500



The chuck is designed exclusively for stationary use – do not use while rotating!

## System jaws overview

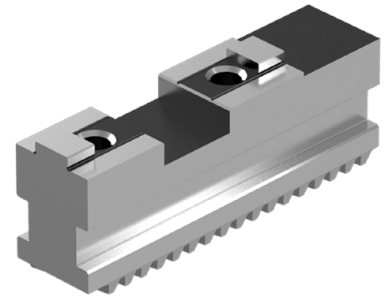
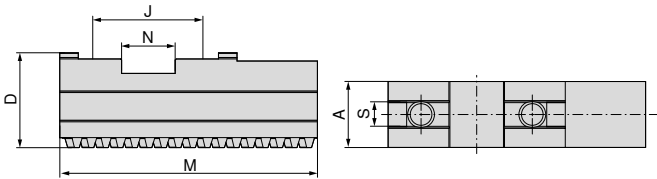
### Base jaws (GBA) – set

- ▲ Base jaws with angled teeth
- ▲ Price per set of 3 pieces

**Scope of supply:**

3 base jaws with angled teeth  
Including cylindrical screws

**SBF  
3**



for	A mm	D mm	J mm	M mm	N mm	S mm	G	WT kg
SBF-3.200	22	32	40	90	20	10	M8x1	1,2
SBF-3.315	32	43	54	125	26	12	M12x1,5	3,1

80 913 ...

50300  
60300

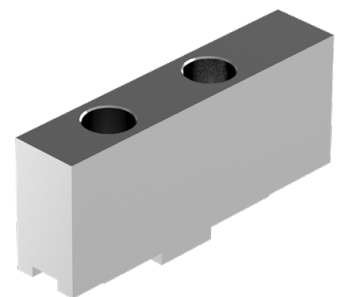
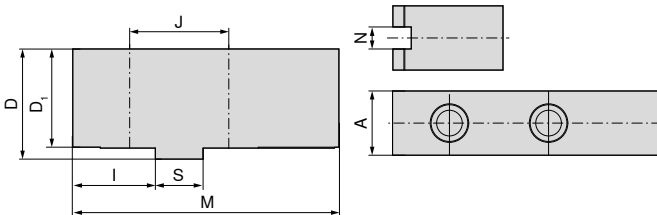
### Soft top jaws (AB-W) – set

- ▲ Price per set of 3 pieces
- ▲ Material: 16MnCr5

**Scope of supply:**

3 soft top jaws

**SBF  
3**



for	A mm	D mm	D <sub>1</sub> mm	I mm	J mm	M mm	N mm	S mm	Hole for	WT kg
SBF-3.200	22	47	43	35	40	105	10	20	M8	2,0
SBF-3.315	35	60	54	45	54	145	12	26	M12	5,6

80 913 ...

50400  
60400

## System jaws overview

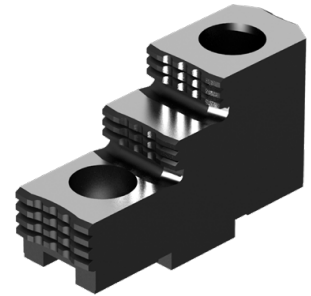
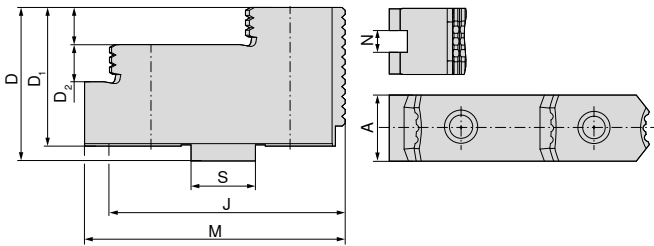
### Hard stepped top jaws (AB-H) – set

▲ Price per set of 3 pieces

**Scope of supply:**

3 hard stepped top jaws

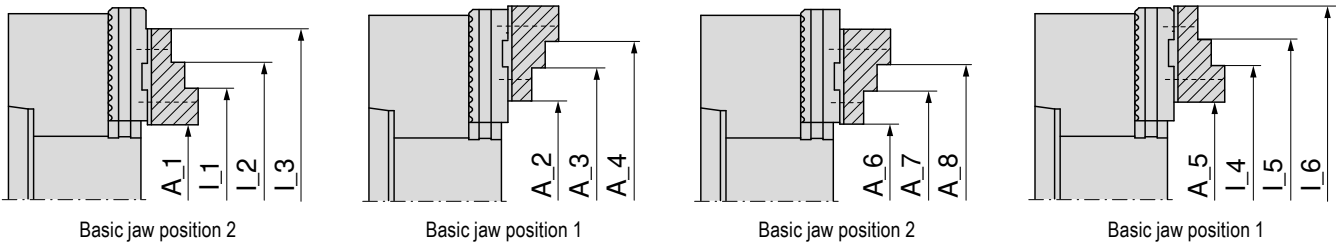
**SBF  
3**



**80 913 ...**

for	A mm	D mm	D <sub>1</sub> mm	D <sub>2</sub> mm	J mm	M mm	N mm	S mm	Hole for	WT kg	
SBF-3.200	22	42	38	10	40	71,7	10	20	M8	2,4	<b>50200</b>
SBF-3.315	36	62	56	15	54	105	12	26	M12	3,3	<b>60200</b>

### Dimension table – Hard stepped top jaws (AB-H)



3-jaw chuck	System jaw	Externall clamping range							
		A_1	A_2	A_3	A_4	A_5	A_6	A_7	A_8
SBF-3.200	<b>80 913 50200</b> SBF-3.AB-H.200.71.7.22.10	7–76	57–125	108–177	135–204	55–125	14–77	66–129	93–156
SBF-3.315	<b>80 913 60200</b> SBF-3.AB-H.315.105.36.15	14–125	93–224	202–333	–	87–219	44–130	153–239	–

3-jaw chuck	System jaw	Internal clamping range					
		L_1	L_2	L_3	L_4	L_5	L_6
SBF-3.200	<b>80 913 50200</b> SBF-3.AB-H.200.71.7.22.10	72–141	99–168	151–220	120–189	147–216	199–268
SBF-3.315	<b>80 913 60200</b> SBF-3.AB-H.315.105.36.15	93–204	202–313	–	167–298	276–407	–



## System jaws overview

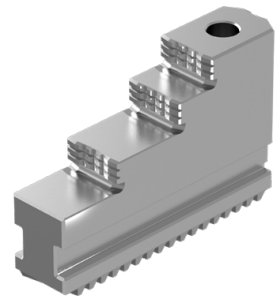
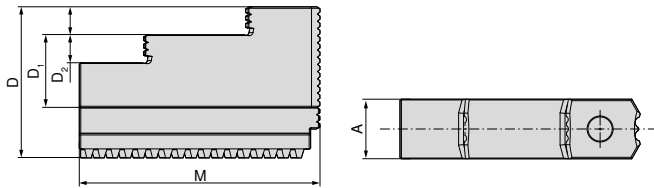
### Hard stepped top jaws (SB-H) – set

- ▲ Stepped block jaws with angled teeth
- ▲ Price per set of 3 pieces

**Scope of supply:**

3 hard stepped block jaws

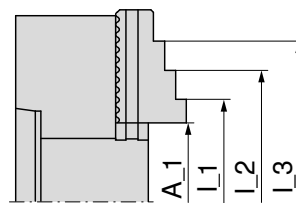
**SBF**  
**3**



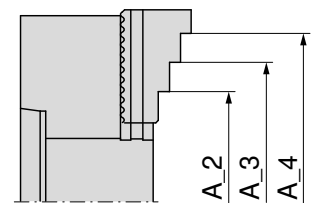
**80 913 ...**

for	A	D	D <sub>1</sub>	D <sub>2</sub>	M	WT	
	mm	mm	mm	mm	mm	kg	
SBF-3.200	22	60	35	10	94	1,9	<b>50100</b>
SBF-3.315	32	81	46	15	129	5,5	<b>60100</b>

### Dimension table – Hard stepped top jaws (SB-H)



Hard stepped top jaws  
steel 16MnCr5, case-hardened



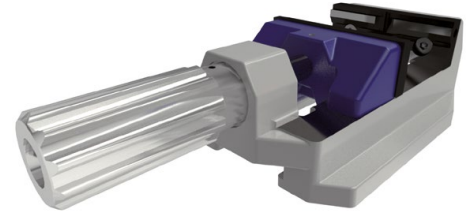
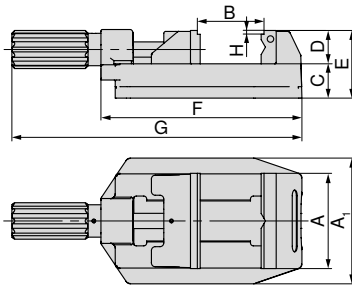
Hard stepped top jaws  
steel 16MnCr5, case-hardened

3-jaw chuck	System jaw	External clamping range				Internal clamping range		
		A_1	A_2	A_3	A_4	L_1	L_2	L_3
SBF-3.200	<b>80 913 50100</b> SBF-3.SB-H.200.94.22.10	6–74	59–128	111–180	138–207	70–138	97–165	149–217
SBF-3.315	<b>80 913 60100</b> SBF-3.SB-H.315.129.32.15	12–124	89–210	189–420	–	91–203	199–311	–

## Manual machine vice

- ▲ handy, universal vice with large clamping range
- ▲ Stepped jaws with horizontal and vertical 120° prism
- ▲ Optional material stop can be used on both sides

HSG



80 893 ...

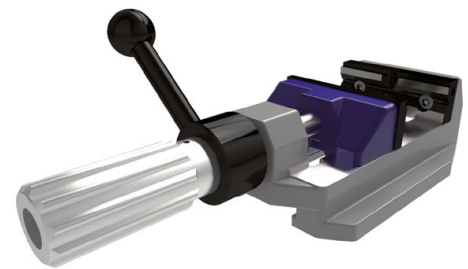
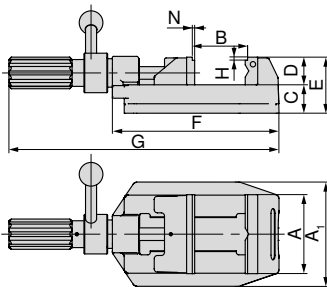
A	A <sub>1</sub>	B	C	D	E	F	G	H	WT
mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
80	112	0 - 81	36	35	71	194	286,5	4	4,5
100	132	0 - 100	36	35	71	211	304,5	4	5,6
125	156	0 - 131	40	40	84	274	386	4	11,2

080  
100  
125

## Manual machine vice with clamping aid

- ▲ Quick and accurate workpiece clamping using the clamping aid
- ▲ handy, universal vice with large clamping range
- ▲ Stepped jaws with horizontal and vertical 120° prism
- ▲ Optional material stop can be used on both sides
- ▲ N = Stroke with handle clamping

HSG



80 893 ...

A	A <sub>1</sub>	B	C	D	E	F	G	H	N	WT
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
100	132	0 - 100	36	35	71	211	342	4	1,5	6,1
125	156	0 - 133	44	40	84	274	405	4	1,5	11,7

101  
126

### Vice guide

System accessories

132+133

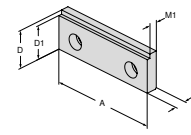
General accessories

164-183

## Top jaws overview

### Stepped jaw, smooth

▲ Price per piece

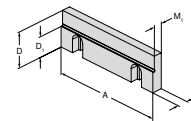


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80			35	31			10,2	7,2	
100			35	31			10,2	7,2	
125			40	36			11,8	8,8	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 893 082											●
80 893 102											●
80 893 127											●

### Stepped jaw, 17 mm

▲ Price per piece



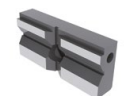
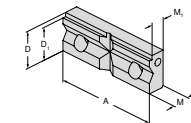
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125			40	23			11,5	9,5	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 244											●

### Prismatic jaw

▲ Prism jaw with horizontal and vertical prism

▲ price per piece



For clamping diameter	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
9 - 31	80		35	31			15,8	12,8	
9 - 31	100		35	31			15,8	12,8	
11 - 41	125		40	36			17,8	14,8	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 893 083											●
80 893 103											●
80 893 128											●

→ Page 164-173  
Here you will find other matching top jaws.

## System accessories overview

### Workpiece stop

- ▲ Fixed to the top section, either on the left, the right, or at both ends. The length adjustment can be performed quickly and accurately using a clamping screw.

HSG



80 893 ...

for width  
mm  
80/100/125

265

### Clamping set

- ▲ A movable support with an eccentric swivel plate allows any clamping position to be adopted on machine tables with different T-slot arrangements. The inside slot of the vice body provides an additional fixing option, just as with the 80 893 260 guide rail.
- ▲ Price per Set

Scope of supply:

2 positioning clamps incl. clamping accessories.

HSG



80 893 ...

for width  
mm  
80/100/125

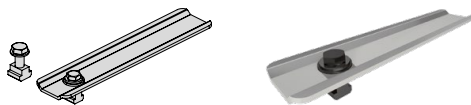
for slot width  
mm  
12/14

250

### Guide rail

- ▲ Helps prevent accidents
- ▲ Prevents unwanted movement, lifting and dragging

HSG

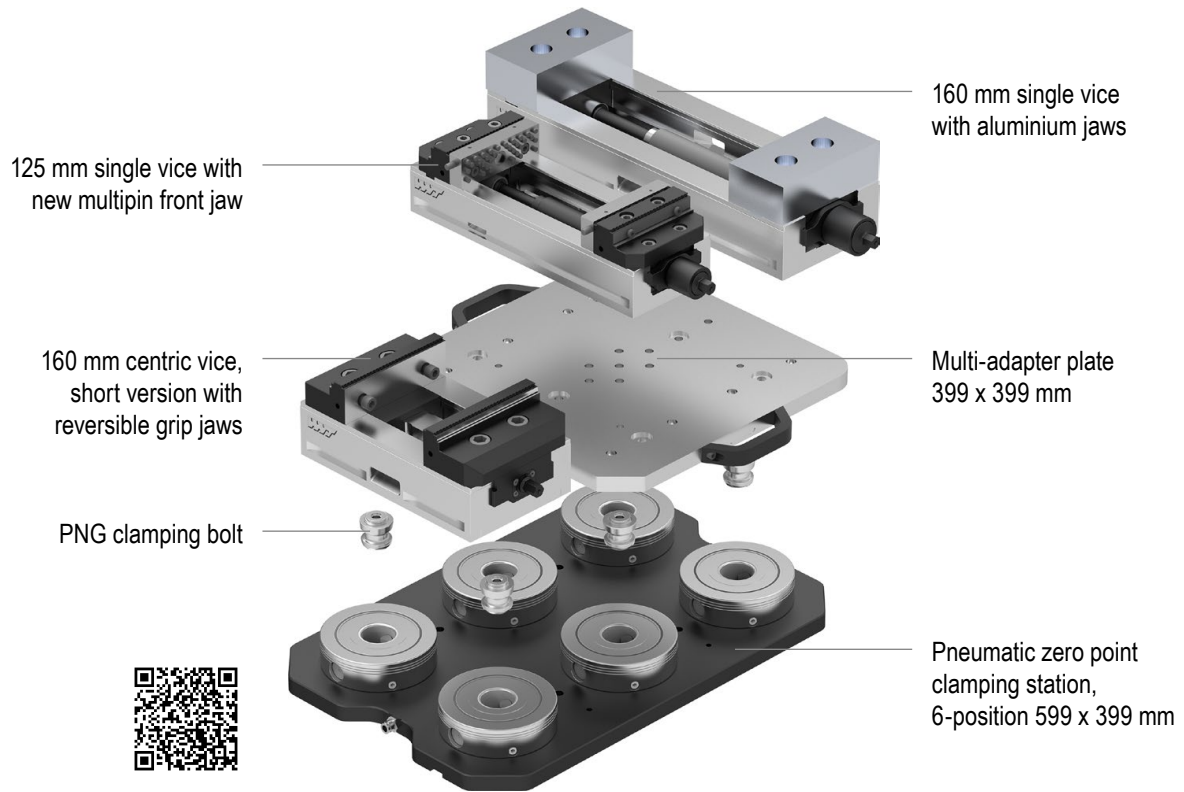


80 893 ...

for width  
mm  
80/100/125

260

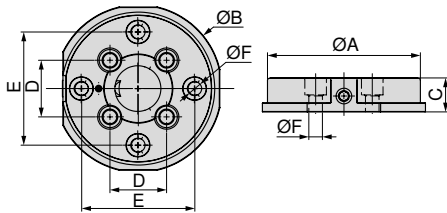
## Overview of MNG and PNG zero point clamping system



### MNG – Base plate, round

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ hardened and ground
- ▲ Repeatability  $\leq 0.01$  mm
- ▲ Insertion force 20 kN
- ▲ Torque 30 Nm

MNG



80 899 ...

A	B	C $\pm 0.005$	D	E	F $H7$	WT
mm	mm	mm	mm	mm	mm	kg
135	148	30	50	100	12	3,5

125

Vice guide

System accessories

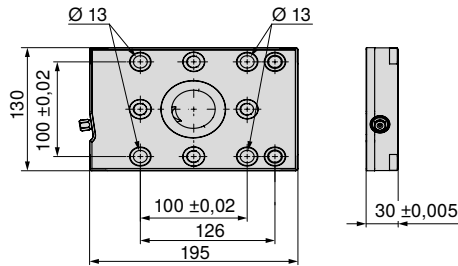
144+145 General accessories

164–183

## MNG – Base plate, rectangular

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ Stainless and vacuum-hardened
- ▲ Repeatability  $\leq 0.01$  mm
- ▲ Tightening torque 30 Nm

MNG



80 899 ...

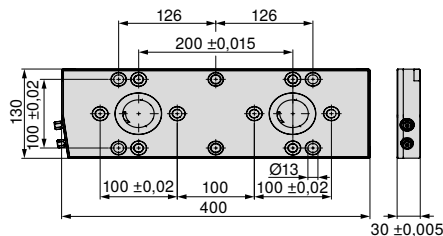
Size	WT kg
195x130 mm	5,2

65000

## MNG – Base plate, rectangular 2-location

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ Stainless and vacuum-hardened
- ▲ Repeatability  $\leq 0.01$  mm
- ▲ Tightening torque 30 Nm

MNG



80 899 ...

Size	WT kg
400x130 mm	11

65100

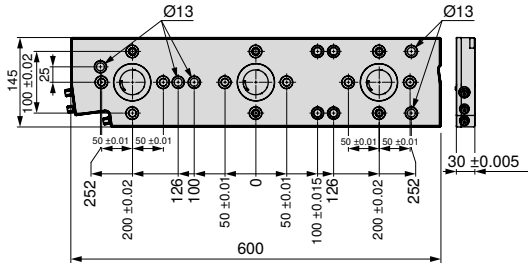
### Vice guide

System accessories	144+145	General accessories	164-183
MNG clamping options	146-148		

## MNG – Base plate, rectangular 3-location

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ Stainless and vacuum-hardened
- ▲ Repeatability  $\leq 0.01$  mm
- ▲ Tightening torque 30 Nm

MNG



Size	WT
600x145 mm	18 kg

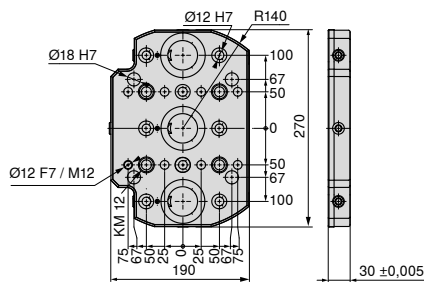
80 899 ...

65200

## MNG – 3 location base plate, 270 x 190 mm

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Clamping force 20 kN on each location bolt
- ▲ 4 x M12 mounting holes for T-slot nuts 50 mm spread
- ▲ 8 x dowel bushes Ø12 F7 / M12
- ▲ 4 x dowel holes Ø18 H7 for positioning

MNG



Size	WT
270x190 mm	9 kg

80 899 ...

230

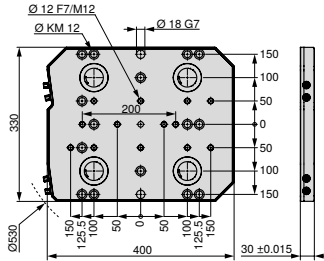
### Vice guide

System accessories	144+145	General accessories	164–183
MNG clamping options	146–148		

## MNG – 4 location base plate, 330 x 400 mm

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Stainless and vacuum-hardened
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ 15 x mounting holes for M12, for T-slot spacing 50, 63, 100, 125 mm
- ▲ 13 x mating holes Ø12 F7/M12
- ▲ 2 x mating holes Ø18 G7 for positioning
- ▲ 1 x mating holes Ø12 F7 for positioning

MNG



Size	WT
330x400 mm	28

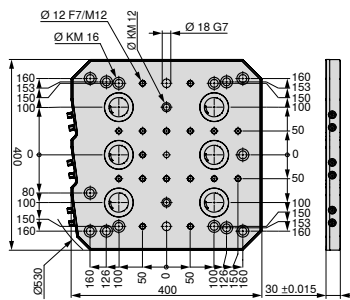
80 899 ...  
63000<sup>1)</sup>

1) Not ex-stock

## MNG – 6 location base plate, 400 x 400 mm

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Stainless and vacuum-hardened
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ 14 x mounting holes for M16, for T-slot spacing 63, 80, 100, 125 mm
- ▲ 2 x mounting holes for M12
- ▲ 17 x mating holes Ø12 F7/M12
- ▲ 2 x mating holes Ø18 G7 for positioning
- ▲ 1 x mating holes Ø12 F7 for positioning

MNG



Size	WT
400x400 mm	33

80 899 ...  
63100<sup>1)</sup>

1) Not ex-stock

### Vice guide

System accessories

144+145 General accessories

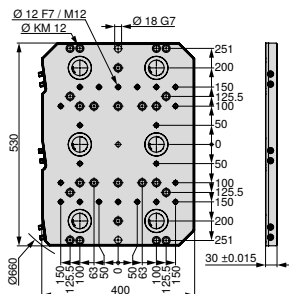
164–183



## MNG – 6 location base plate, 400 x 530 mm

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Stainless and vacuum-hardened
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ 24 x mounting holes for M12, for T-slot spacing 63, 100, 125 mm
- ▲ 21 x mating holes Ø12 F7/M12
- ▲ 2 x mating holes Ø18 G7 for positioning
- ▲ 1 x mating holes Ø12 F7 for positioning

MNG



Size	WT
400x530 mm	45

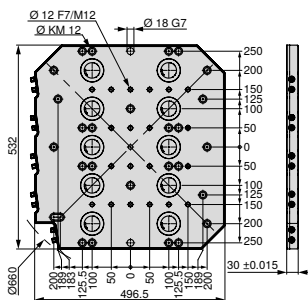
80 899 ...  
63200<sup>1)</sup>

1) Not ex-stock

## MNG – 10 location base plate, 496.5 x 532 mm

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ Stainless and vacuum-hardened
- ▲ Insertion force 20 kN on the clamping bolt
- ▲ 27 x mounting holes M12 for T-slot spacing 50, 63, 100, 125 mm and star slots 45°
- ▲ 20 x mating holes Ø12 F7/M12
- ▲ 2 x mating holes Ø18 G7 for positioning
- ▲ 1 x mating holes Ø12 F7 for positioning

MNG



Size	WT
497x532 mm	54

80 899 ...  
63300<sup>1)</sup>

1) Not ex-stock

Vice guide

System accessories

144+145 General accessories

164–183

## MNG – Centering Pin

▲ MNG – Mechanical Zero-point Clamping System

MNG



80 899 ...

D <sub>1</sub> h6 mm	D <sub>2</sub> h6 mm	
12	30	61700
12	32	61800
12	50	61900

## MNG – Alignment Pin

▲ MNG – Mechanical Zero-point Clamping System

MNG



80 899 ...

D <sub>1</sub> h6 mm	D <sub>2</sub> h6 mm	
18	14	607
18	18	608
18	20	609
18	22	610

## MNG – Clamping Screw Set for T-slot

▲ MNG – Mechanical Zero-point Clamping System

Scope of supply:

Clamping screw and T-Nuts

MNG



80 899 ...

for slot width mm	G	
12	M8	63800
12	M10	63400
14	M8	63900
14	M12	63500 <sup>1)</sup>
16	M8	64000
16	M12	63600 <sup>1)</sup>
18	M8	64100
18	M12	63700 <sup>1)</sup>

1) With low head screws

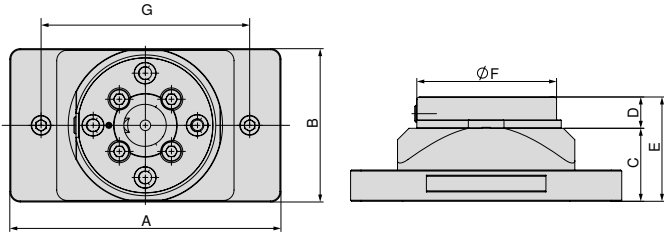
## MNG – Console with zero point clamping module

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ universal application on all machine tables
- ▲ Clamping force 20 kN

### Scope of supply:

Plate incl. MNG round clamping module

MNG



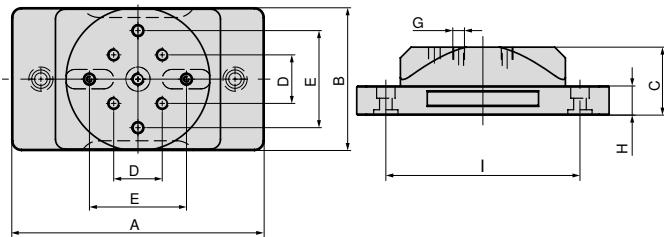
80 899 ...

A	B	C	D	E	F	G	WT
mm	mm	mm	mm	mm	mm	mm	kg
260	147	70	30	100	135	200	8,9

425

## MNG – Console

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ universal application on all machine tables
- ▲ Material: Aluminum, hard anodized



80 899 ...

A	B	C	D	E <sub>±0,02</sub>	G	H	I	WT
mm	mm	mm	mm	mm	M12	mm	mm	kg
260	147	70	50	100	M12	30	200	5,5

420

### Vice guide

System accessories

144+145

General accessories

164-183

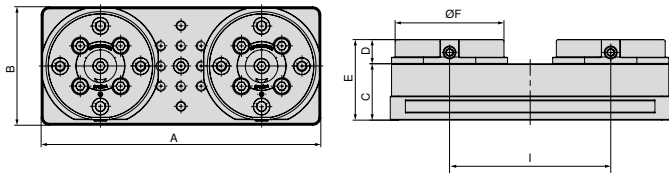
## MNG – Double console with zero point clamping module

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ universally applicable on all machine tables
- ▲ Material: Aluminium Hard Anodised

### Scope of supply:

Console including MNG round clamping module

MNG

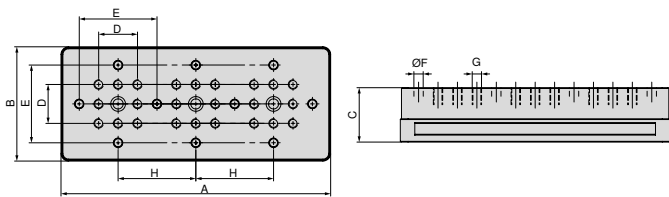


A	B	C	D	E	F	I	WT
mm	mm	mm	mm	mm	mm	mm	kg
347	147	70	30	100	135	200	16,5

80 899 ...  
435

## MNG – Double console

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ universally applicable on all machine tables
- ▲ Material: Aluminium Hard Anodised



A	B	C	D	E ±0,02	F F7	G	H	WT
mm	mm	mm	mm	mm	mm	M12	mm	kg
347	147	70	50	100	12	M12	100	9,3

80 899 ...  
430

### Vice guide

System accessories

144+145

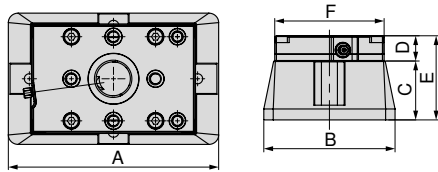
General accessories

164–183

# MNG – Console with zero point clamping module

▲ MNG – Mechanical Zero-point Clamping System

MNG



A	B	C	D	E	F
mm	mm	mm	mm	mm	mm
250	156	70	30	100	130

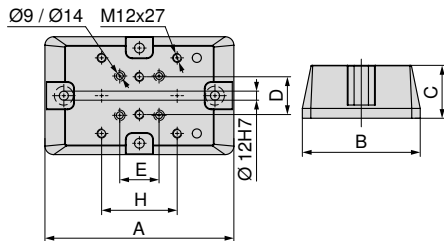
80 878 ...

54000

# Console

▲ MNG – Mechanical Zero-point Clamping System

ZSG  
4



A	B	C	D	E	H	for
mm	mm	mm	mm	mm	mm	
250	156	70	50	52	100	ZSG 4 - 80 L = 130 mm + 190 mm / ZSG 4 - 125 L = 160 mm
320	197	100	50	50	100	ZSG 4 - 160 L = 280 mm
340	162	100	50	50	100	ZSG 4 - 125 L = 235 mm / 300 mm

80 878 ...

54100

54400

54300

# MNG – Assembly set for console

▲ MNG – Mechanical Zero-point Clamping System



for
ZSG-4.125/160.L235-L280
ZSG-4.80.L130-L190

80 878 ...

54500

54200

Vice guide

System accessories

144+145 General accessories

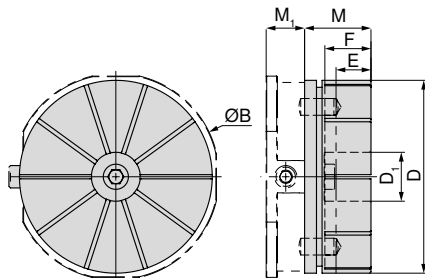
164-183

# MNG – Aluminum form chuck

- ▲ MNG – Mechanical Zero-point Clamping System
- ▲ for incorporation of forms for 2nd op machining

### Scope of supply:

Collet with positioning pins, without locating bolts

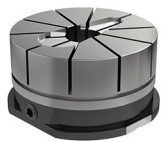


B	D	D <sub>1</sub>	E	F	M	M <sub>1</sub>
mm	mm	mm	mm	mm	mm	mm
148	138	35	22	33	47,5	27,5

80 899 ...

500

### Available on request



Machineable Alu chuck to suit round MNG




Machineable Alu chuck to suit round MNG with clamped workpiece



Grid plate



Blank plate

 The maximum cutting depth E is 22 mm

## Adjustable ring for MNG form collet

MNG



80 899 ...

510

### Vice guide

System accessories

144+145

General accessories

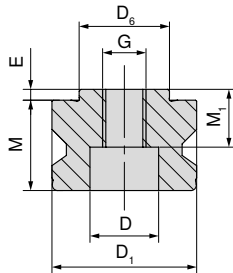
164–183

## MNG – Pull studs

▲ MNG – Mechanical Zero-point Clamping System

Scope of supply:  
with clamping screws

MNG



D <sub>6</sub> h6	D <sub>1</sub> h6	M	M <sub>1</sub>	E	D	G
mm	mm	mm	mm	mm	mm	
25	40	27	17	3	19	M12

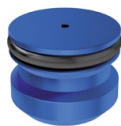
80 899 ...

025

## MNG – Bungs

▲ MNG – Mechanical Zero-point Clamping System

MNG



80 899 ...

D <sub>1</sub>
mm
40

040

## MNG – Dowel Set

▲ MNG – Mechanical Zero-point Clamping System  
▲ for ESG mini 4V tower and direct workpiece clamping  
▲ Price per 2 Pieces

MNG



80 899 ...

D <sub>1</sub> m6	M
mm	mm
12	24

120

## MNG – Sealing plug with O-ring

▲ MNG – Mechanical Zero-point Clamping System

MNG



80 899 ...

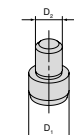
G
M12

126

## MNG – positioning pin set

▲ MNG – Mechanical Zero-point Clamping System  
▲ for ESG mini and direct workpiece clamping  
▲ Price per 2 Pieces

MNG



80 899 ...

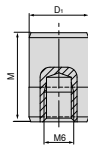
for width	D <sub>1</sub>	D <sub>2</sub>
mm	mm	mm
65	12	8

128

## MNG – indexing bolt

▲ MNG – Mechanical Zero-point Clamping System

MNG



D <sub>1</sub> mm	M mm	80 899 ...
12	18	51500

## MNG –

### Alignment/centering set for T-slots

▲ MNG – Mechanical Zero-point Clamping System

▲ A = groove spacing

Scope of supply:

1 Terminal block, 2 T-nuts, 2 screws, 2 washers for width 12 mm, without clamping strip!

MNG



## MNG –

### Clamping Screw Set for T-slot

▲ MNG – Mechanical Zero-point Clamping System

Scope of supply:

Clamping screw and T-Nuts

MNG



for slot width mm	G	80 899 ...
12	M8	63800
12	M10	63400
14	M8	63900
14	M12	63500 <sup>1)</sup>
16	M8	64000
16	M12	63600 <sup>1)</sup>
18	M8	64100
18	M12	63700 <sup>1)</sup>

1) With low head screws

A mm	for slot width mm	80 899 ...
50	12	012 <sup>1)</sup>
50	14	014
50	16	016
50	18	018
100	12	81200
100	14	81400
100	16	81600
100	18	81800

1) For 12 mm width excluding clamping strip

## MNG – Round claw

▲ MNG – Mechanical Zero-point Clamping System

▲ Two pieces contained in set

▲ Price per 2 pieces

MNG



## MNG –

### Clamping set for 14 mm T-slot

▲ MNG – Mechanical Zero-point Clamping System

▲ T-nuts are modified for 63 mm slot pitch

▲ Price per 2 Pieces

MNG



for slot width mm	A mm	80 899 ...
14	63	614

## MNG – Replacement clamping unit

▲ MNG – Mechanical Zero-point Clamping System

▲ Three-part set

▲ for MNG round

MNG



MNG	80 899 ...
	026




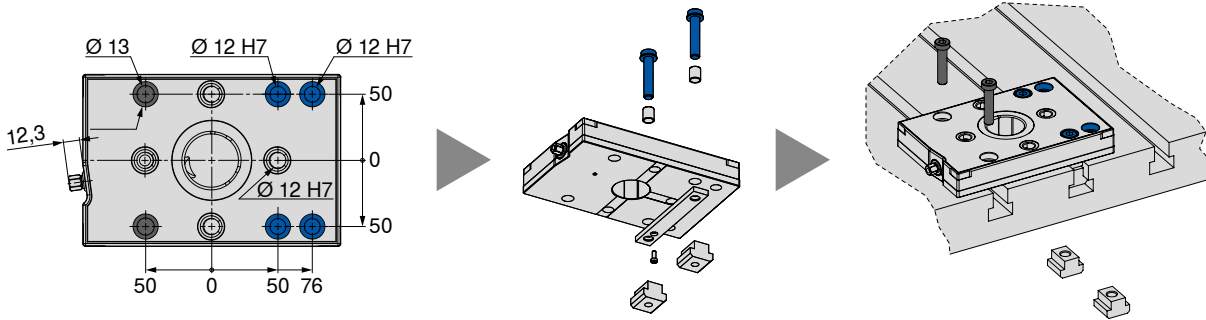
## MNG clamping options

### MNG – Base plate, rectangular

**Mounting:**

- 2 x M12 low head screws
- 1 x Alignment and centring set


 → Page 148  
Here you will find the suitable screws.

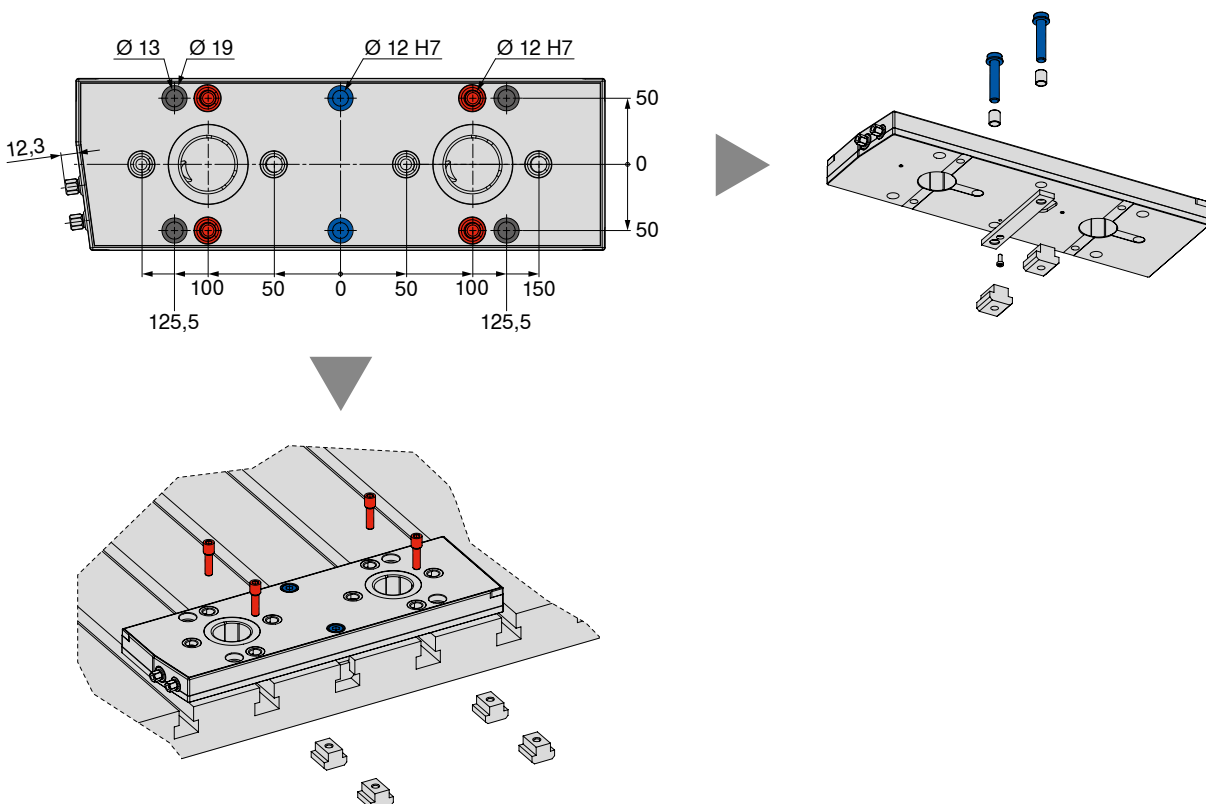


### MNG – Base plate, rectangular 2-location

**Mounting:**

- 4 x M12 low head screws
- 1 x Alignment and centring set
- 4 x M8 MNG special screws

 → Page 148  
Here you will find the suitable screws.



## MNG clamping options

### MNG – Base plate, rectangular 3-location

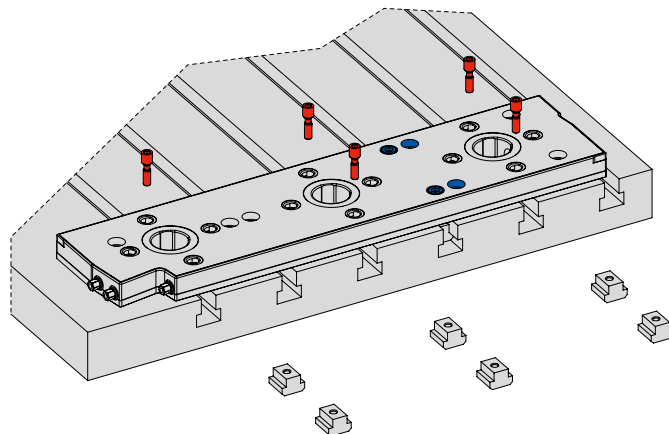
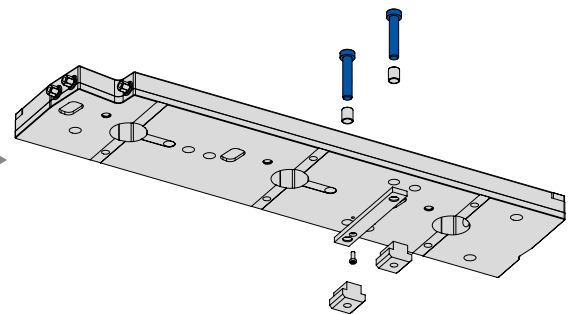
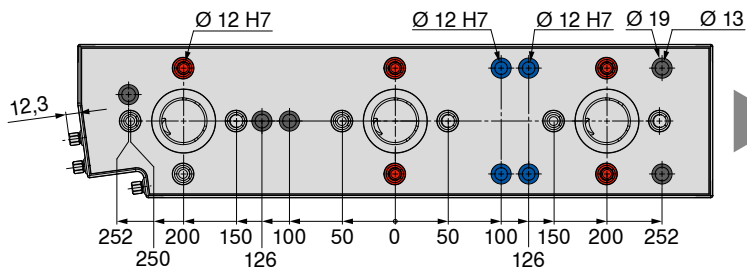
#### Mounting:

- 5 x M12 low head screws
- 1 x Alignment and centring set
- 5 x M8 MNG special screws





























→ Page 148

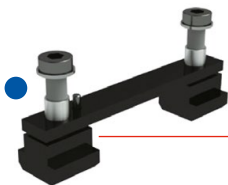
Here you will find the suitable screws.



# MNG clamping options

T-slot table – spacing of 126 mm / 63 mm												
	12 mm			14 mm			16 mm			18 mm		
												
	Alignment and centring set spacing 100 mm 80 899 81200	Clamping set with M10 low head screws 80 899 63400	Clamping set with M8 MNG special screws 80 899 63800	Alignment and centring set spacing 100 mm 80 899 81400	Clamping set with M12 low head screws 80 899 63500	Clamping set with M8 MNG special screws 80 899 63900	Alignment and centring set spacing 100 mm 80 899 81600	Clamping set with M12 low head screws 80 899 63600	Clamping set with M8 MNG special screws 80 899 64000	Alignment and centring set spacing 100 mm 80 899 81800	Clamping set with M12 low head screws 80 899 63700	Clamping set with M8 MNG special screws 80 899 64100
MNG – Base plate, rectangular	1 x	2 x	—	1 x	2 x	—	1 x	2 x	—	1 x	2 x	—
MNG – Base plate, rectangular 2-location	1 x	4 x	—	1 x	4 x	—	1 x	4 x	—	1 x	4 x	—
MNG – Base plate, rectangular 3-location	1 x	4 x	2 x	1 x	4 x	2 x	1 x	4 x	2 x	1 x	4 x	2 x

T-slot table – spacing of 100 mm / 50 mm												
	12 mm			14 mm			16 mm			18 mm		
												
	Alignment and centring set spacing 100 mm 80 899 81200	Clamping set with M10 low head screws 80 899 63400	Clamping set with M8 MNG special screws 80 899 63800	Alignment and centring set spacing 100 mm 80 899 81400	Clamping set with M12 low head screws 80 899 63500	Clamping set with M8 MNG special screws 80 899 63900	Alignment and centring set spacing 100 mm 80 899 81600	Clamping set with M12 low head screws 80 899 63600	Clamping set with M8 MNG special screws 80 899 64000	Alignment and centring set spacing 100 mm 80 899 81800	Clamping set with M12 low head screws 80 899 63700	Clamping set with M8 MNG special screws 80 899 64100
MNG – Base plate, rectangular	1 x	2 x	—	1 x	2 x	—	1 x	2 x	—	1 x	2 x	—
MNG – Base plate, rectangular 2-location	1 x	—	4 x	1 x	—	4 x	1 x	—	4 x	1 x	—	4 x
MNG – Base plate, rectangular 3-location	1 x	1 x	5 x	1 x	1 x	5 x	1 x	1 x	5 x	1 x	1 x	5 x



Alignment and centring set spacing 100 mm



Clamping set with M8 MNG special screws



Clamping set with M10 or M12 low head screws



M16 cylinder low head screw only  
base plate 6-face, 400 x 400 mm



Cylinder head screw for M12 grid holes



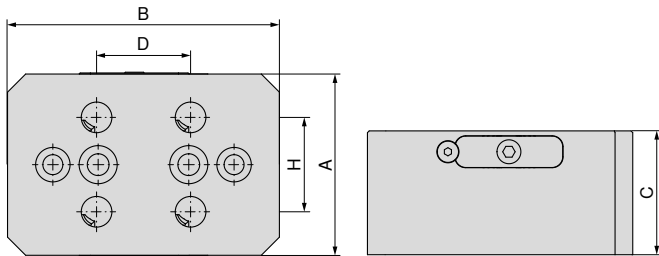
→ Page 145  
→ Page 182+183

Here you will find the articles shown above.

## MNG mini – Console

- ▲ With integrated MNG mini zero point clamping system
- ▲ Order mounting bolts separately
- ▲ Material: hard-anodised aluminium

**MNG  
mini**



**NEW**

**80 915 ...**

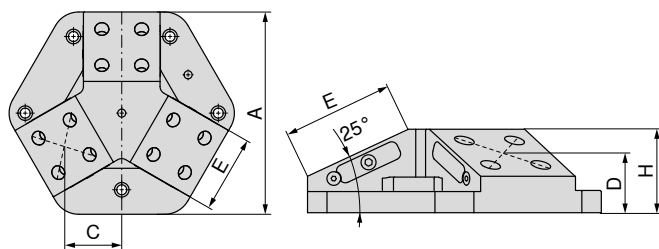
A	B	C	D	H
mm	mm	mm	mm	mm
100	150	70	52	52

**57000**

## MNG mini – Three-sided pyramid

- ▲ Incl. 3 x MNG mini zero point clamping systems
- ▲ Order mounting bolts separately
- ▲ Material: hard-anodised aluminium

**MNG  
mini**




**NEW**

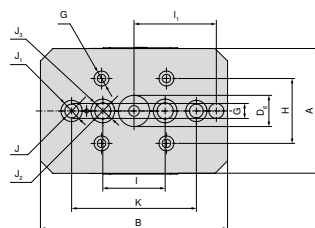
**80 915 ...**

A	C	D	E	H
mm	mm	mm	mm	mm
264	86,68	53,87	100	75

**58000**

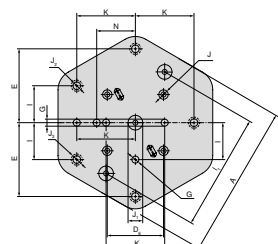
 Suitable for: ESG 5 – 80 L-130 / ZSG 4 – 80 L-130 / ZSG mini – 70 L-80 / ZSG mini – 70 L-100

## MNG mini underside dimensions



Console

A	B	D <sub>6</sub> H7	G H7	H	I	I <sub>1</sub> ±0.015	J	J <sub>1</sub>	J <sub>2</sub>	J <sub>3</sub>	K ±0.015
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
100	150	25	12	52	50	66	11	17	13	19	100



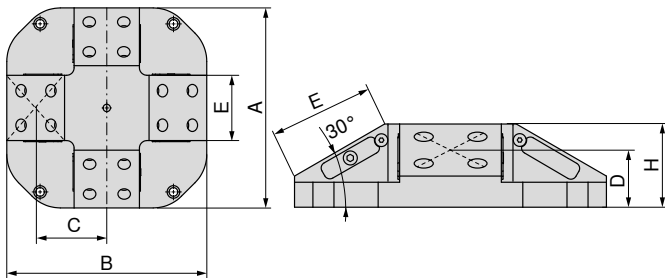
Three-sided pyramid

A	D <sub>6</sub> ±0.015	E	G H7	I	I <sub>1</sub> ±0.015	J H7	J <sub>1</sub> H7	J <sub>2</sub>	J <sub>3</sub>	K	N ±0.015
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
264	96	126	12	63	200	16	25	13	19	100	66

## MNG mini – Four-sided pyramid

- ▲ Incl. 4 x MNG mini zero point clamping systems
- ▲ Order mounting bolts separately
- ▲ Material: hard-anodised aluminium

MNG mini



NEW

80 915 ...

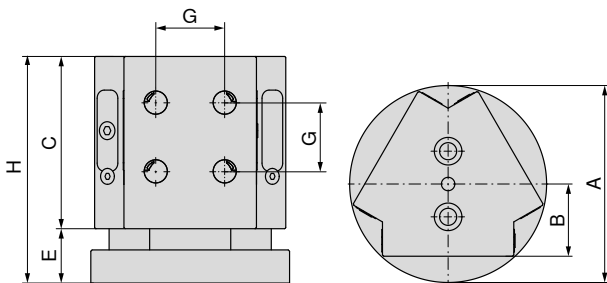
A	B	C	D	E	H
mm	mm	mm	mm	mm	mm
300	300	106,7	55	100	80

57500

## MNG mini – Triangular tombstone

- ▲ Incl. 3 x MNG mini zero point clamping systems
- ▲ Order mounting bolts separately
- ▲ Material: hard-anodised aluminium

MNG mini




NEW

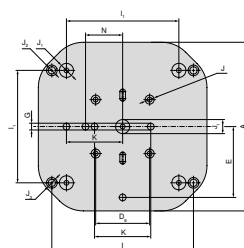
80 915 ...

A	B	C	E	G	H
mm	mm	mm	mm	mm	mm
148	55	130	41	52	171

51700

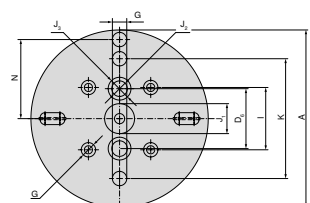
 Suitable for: ESG 5 – 80 L-130 / ZSG 4 – 80 L-130 / ZSG mini – 70 L-80 / ZSG mini – 70 L-100

## MNG mini underside dimensions



Four-sided pyramid

A	D <sub>6</sub> ±0.015	E	G <sub>H7</sub>	I	I <sub>1</sub> ±0.015	J <sub>H7</sub>	J <sub>1H7</sub>	J <sub>2</sub>	J <sub>3</sub>	K ±0.015	N ±0.015
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
300	96	126	12	252	200	16	25	13	19	100	66



Triangular tombstone

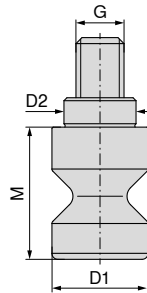
A	D <sub>6</sub>	G <sub>H7</sub>	I ±0.015	J <sub>H7</sub>	J <sub>2</sub>	J <sub>3</sub>	K ±0.015	N ±0.015
mm	mm	mm	mm	mm	mm	mm	mm	mm
148	50	12	52	25	13	19	100	66

## MNG mini mounting bolt set

**Scope of supply:**

Set contains four mounting bolts

**MNG  
mini**



**NEW**

**80 915 ...**

D <sub>1 h6</sub> mm	D <sub>2 h6</sub> mm	M mm	G mm	TQX Nm	Clamping force kN
16	12	22	M8	18	15

**51600**

## Clamping Screw Set for T-slot for MNG mini

**Scope of supply:**

Clamping screw and T-Nuts

**MNG  
mini**



**NEW**

**80 915 ...**

for slot width mm	G	
12	M10	<b>61200</b>
14	M12	<b>61400</b>
16	M12	<b>61600</b>
18	M12	<b>61800</b>

## Alignment/centering set for T-slots

▲ MNG – Mechanical Zero-point Clamping System

▲ A = groove spacing

**Scope of supply:**

1 Terminal block, 2 T-nuts, 2 screws, 2 washers for width 12 mm, without clamping strip!

**MNG  
mini**



**NEW**

**80 915 ...**

A mm	for slot width mm	
100	12	<b>81200</b>
100	14	<b>81400</b>
100	16	<b>81600</b>
100	18	<b>81800</b>

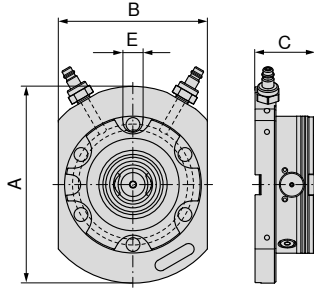
## 1-position clamping station

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 8 kN
- ▲ Insertion force with turbo 28 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8

### Scope of supply:

Clamping station, fixing clamps, sealing nipple, pneumatic plug connections, dust covers, operating instructions; without clamping bolt, without indexing bolt

PNG



80 809 ...

A	B	C	E <sub>H7</sub>	WT
mm	mm	mm	mm	kg
198	150	60	20	7

01100

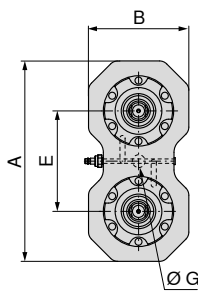
## 2-position clamping station, 399 x 199 mm

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 16 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8

### Scope of supply:

Clamping station, fixing clamps, sealing nipple, pneumatic plug connections, dust covers, operating instructions; without clamping bolt, without indexing bolt

PNG



80 809 ...

A	B	C	E	G <sub>H7</sub>	WT
mm	mm	mm	mm	mm	kg
399	199	60	200	25	16,9

02100

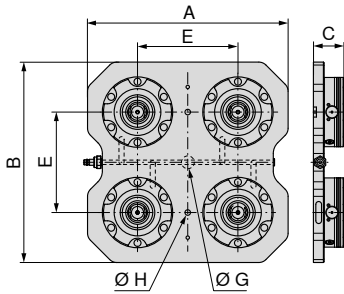
## 4-position clamping station, 399 x 399 mm

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 32 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8

### Scope of supply:

Clamping station, fixing clamps, sealing nipple, pneumatic plug connections, dust covers, operating instructions; without clamping bolt, without indexing bolt

PNG



80 809 ...

A	B	C	E	G <sub>H7</sub>	H	WT
mm	mm	mm	mm	mm	mm	kg
399	399	60	200	25	11	35,7

04100

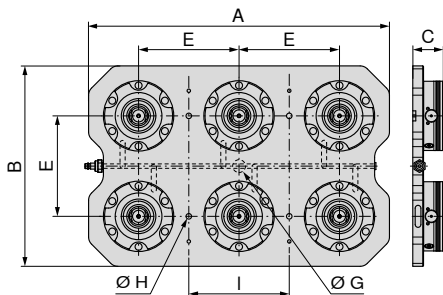
## 6-position clamping station, 599 x 399 mm

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 48 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8

### Scope of supply:

Clamping station, fixing clamps, sealing nipple, pneumatic plug connections, dust covers, operating instructions; without clamping bolt, without indexing bolt

PNG



80 809 ...

A	B	C	E	G <sub>H7</sub>	H	I	WT
mm	mm	mm	mm	mm	mm	mm	kg
599	399	60	200	25	11	200	54,4

06100



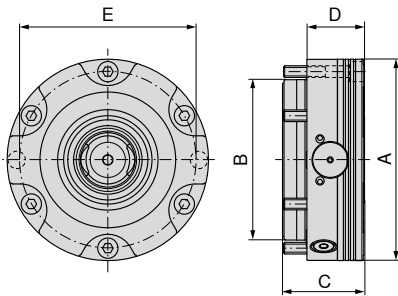
## PNG – Zero point clamping module PNG.SM.138

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 8 kN
- ▲ Insertion force with turbo 28 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8
- ▲ Repeatability 0.005

**Scope of supply:**

Clamping module, fixing screws, O-rings, cover caps, operating instructions; without clamping bolts

PNG



A	B	C	D	E	G	WT
mm	mm	mm	mm	mm		kg
138	110	55,7	39	121	G1/8"	4,4

80 809 ...  
10100

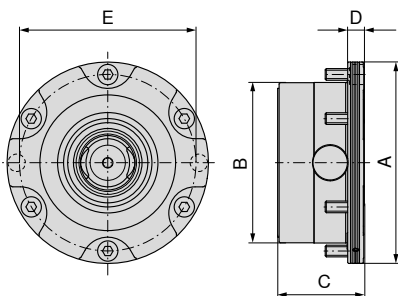
## PNG – Zero point clamping system PNG.SM.T.138

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 7 kN
- ▲ Insertion force with turbo 24 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8
- ▲ Repeatability 0.005

**Scope of supply:**

Clamping module, fixing screws, O-rings, cover caps, operating instructions; without clamping bolts

PNG



A	B	C	D	E	G	WT
mm	mm	mm	mm	mm		kg
138	110	59	11	121	G1/8"	3,5

80 809 ...  
12100

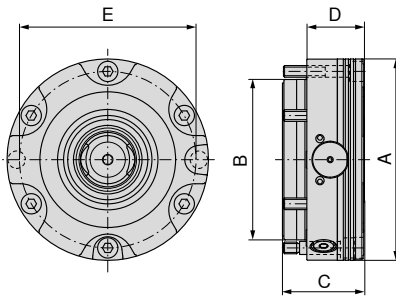
## PNG – Zero point clamping module PNG.SM.V.138

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Insertion force 8 kN
- ▲ Insertion force with turbo 28 kN
- ▲ Unlocking pressure 6 bar
- ▲ Air connection G 1/8
- ▲ Repeatability 0.005

### Scope of supply:

Clamping module, fixing screws, dowel screw, O-rings, cover caps, operating instructions; without clamping bolts, without indexing bolt

PNG



A	B	C	D	E	G	WT
mm	mm	mm	mm	mm		kg
138	110	55,7	39	121	G1/8"	4,4

80 809 ...  
11100

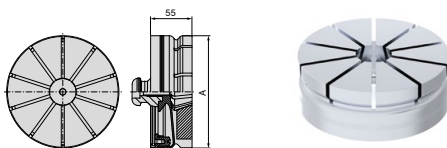
## PNG – Aluminium form collet

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Max. clamping force 50 kN
- ▲ Repeatability 0.005
- ▲ Clamping stroke 0.5 mm
- ▲ Aluminium

### Scope of supply:

Aluminium form collet, adjustment ring, clamping bolt, indexing bolt, operating instructions

PNG



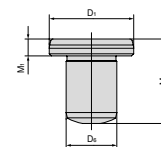
80 809 ...  
07600

A	WT
mm	kg
149	1,5

## PNG – indexing bolt

- ▲ PNG – Pneumatic zero point clamping system

PNG



D <sub>1</sub> h5	M	M <sub>1</sub>	D <sub>3</sub> m6
mm	mm	mm	mm
20	20	4	12

80 809 ...  
073

## Assembly – Clamping bolts

The workpieces or devices being assembled are positioned and fixed with three different clamping bolts:



### Centring bolt

Precision-ground, used to precisely position the clamping device.



### Positioning bolt

This bolt, which is also known as a diamond bolt, is only ground in an axial direction so that the system is not overloaded.



### Locking bolt

Ensures that the pallets lie flat on the clamping system. Ground smaller to short taper.

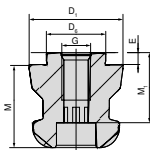
## PNG – clamping bolt

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Three bolt types – ZB (centring bolt), PB (positioning bolt), HB (clamping bolt)
- ▲ Precision location bolts ensuring accuracy and repeatability
- ▲ Clamping force 50 kN

### Scope of supply:

Incl. M10 fixing screw

PNG



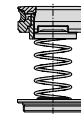
80 809 ...

Type	D <sub>G H6</sub> mm	D <sub>1 h6</sub> mm	M mm	M <sub>1</sub> mm	E mm	G	
ZB	25	40	35	27	5	M12	070
PB	25	40	35	27	5	M12	071
HB	25	40	35	27	5	M12	072

## PNG – Cone seal

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Protective cover for the interchangeable interface

PNG



80 809 ...

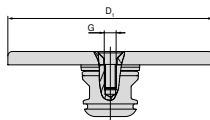
WT  
kg  
0,11

07500

## PNG – protective cover

- ▲ PNG – Pneumatic zero point clamping system
- ▲ Protective cover for the interchangeable interface

PNG



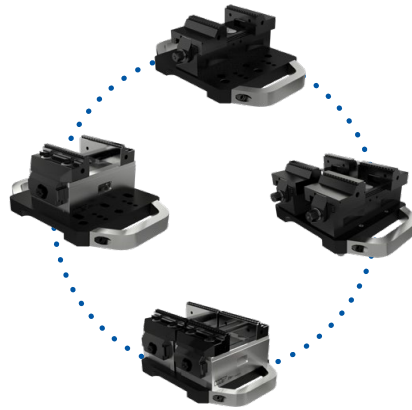
80 809 ...

D <sub>1</sub> mm	G	
138	M8	074

## Overview of multi-adapter pallets



Multi-adapter pallet 159 x 159 mm



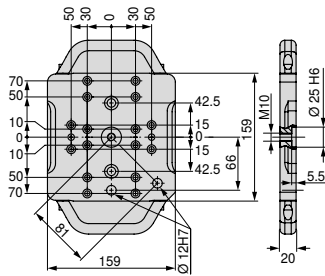
Application examples

## Multi-adapter pallet 159 x 159 mm

▲ Multi-adapter pallet for mounting PNG and MNG

### Scope of supply:

Incl. clamping bolts and screws  
without pull studs



Size	WT kg	80 809 ...
159x159 mm	4	500

## Mounting set – multi-adapter pallet, 159 x 159 mm

▲ price per set

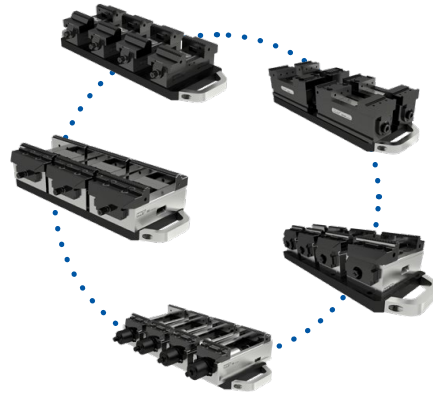


for	80 878 ...
ZSG-4.80	503

## Overview of multi-adapter pallets



Multi-adapter pallet 399 x 159 mm



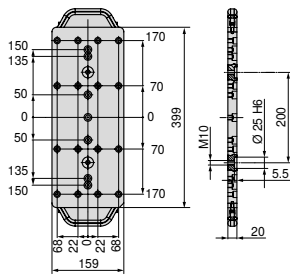
Application examples

## Multi-adapter pallet 399 x 159 mm

▲ Multi-adapter pallet for mounting PNG and MNG

### Scope of supply:

Incl. clamping bolts and screws  
without pull studs



80 809 ...

Size	WT
399x159 mm	10 kg

501

## Mounting set – multi-adapter pallet 399 x 159 mm

▲ price per set



80 884 ...

for

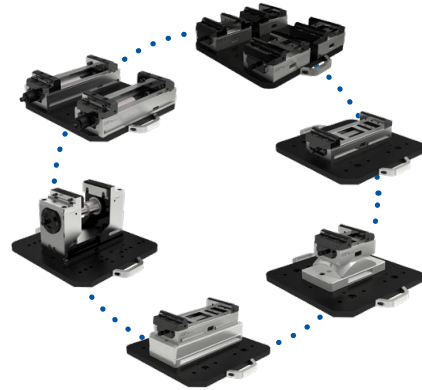
ZSG-3.65/ZSG-4.80/125L160/ESG-4.80

503

## Overview of multi-adapter pallets



Multi-adapter pallet 399 x 399 mm



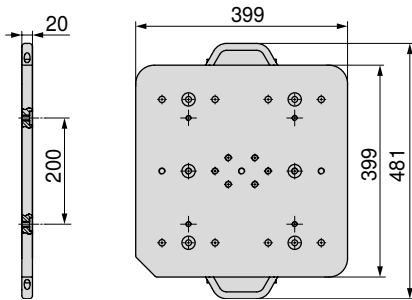
Application examples

## Multi-adapter pallet 399 x 399 mm

▲ Multi-adapter pallet for mounting PNG and MNG

### Scope of supply:

Incl. clamping bolts and screws  
without pull studs



Size	WT kg	80 809 ...
399x399 mm	25	502

## Mounting set – multi-adapter pallet 399 x 399 mm

▲ price per set



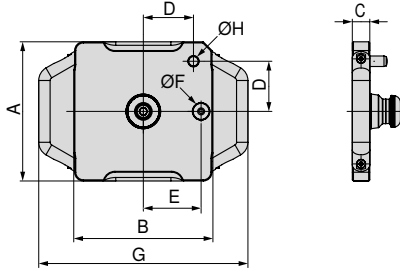
for	80 901 ...	80 898 ...	80 878 ...
ESG4.125	500		
H5G.125		500	
ZSG-4.125.L160			500
ZSG-4.125.L160.K			502
ZSG-4.125.L300			501
ZSG-4.125.L300-DK			504

## Steel clamping pallet, 159 x 159 mm

- ▲ Clamping pallet for mounting PNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



80 809 ...

Size	A	B	C	D	E	F <sub>H5</sub>	G	H <sub>m6</sub>	WT
	mm	mm	mm	mm	mm	mm	mm	mm	kg
159x159 mm	159	159	20	58	66	20	239	12	4,2

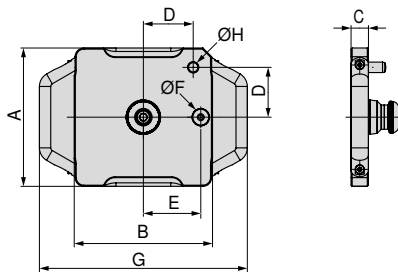
080

## Aluminium clamping pallet, 159 x 159 mm

- ▲ Clamping pallet for mounting PNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



80 809 ...

Size	A	B	C	D	E	F <sub>H5</sub>	G	H <sub>m6</sub>	WT
	mm	mm	mm	mm	mm	mm	mm	mm	kg
159x159 mm	159	159	25	58	66	20	239	12	2,2

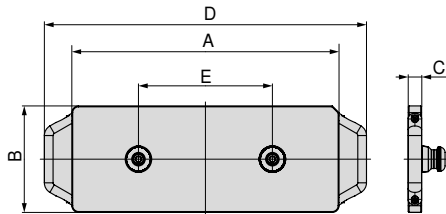
081

## Steel clamping pallet, 399 x 159 mm

- ▲ Clamping pallet for mounting PNG and MNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



80 809 ...

Size	A mm	B mm	C mm	D mm	E mm	WT kg
399x159 mm	399	159	20	481	200	10,6

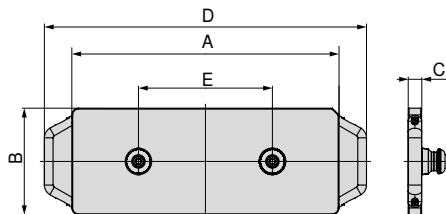
082

## Aluminium clamping pallet, 399 x 159 mm

- ▲ Clamping pallet for mounting PNG and MNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



80 809 ...

Size	A mm	B mm	C mm	D mm	E mm	WT kg
399x159 mm	399	159	25	481	200	5,1

083

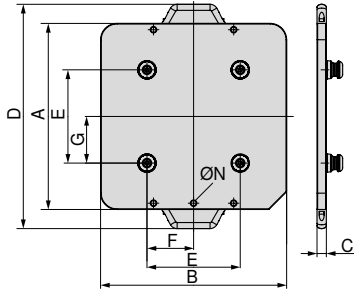


## Steel clamping pallet, 399 x 399 mm

- ▲ Clamping pallet for mounting PNG and MNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



Size	A	B	C	D	E	F	G	N	WT
	mm	mm	mm	mm	mm	mm	mm	M10	kg
399x399 mm	399	399	20	481	200	100	100	M10	28

80 809 ...

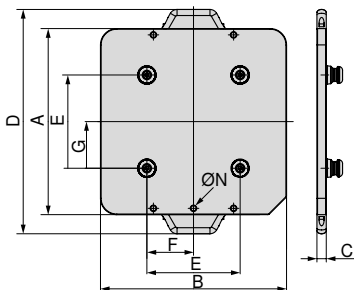
084

## Aluminium clamping pallet, 399 x 399 mm

- ▲ Clamping pallet for mounting PNG and MNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



Size	A	B	C	D	E	F	G	N	WT
	mm	mm	mm	mm	mm	mm	mm	M10	kg
399x399 mm	399	399	25	481	200	100	100	M10	12

80 809 ...

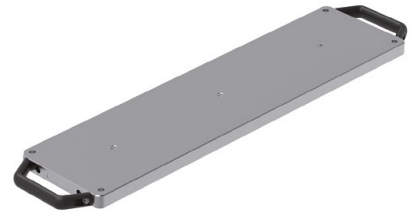
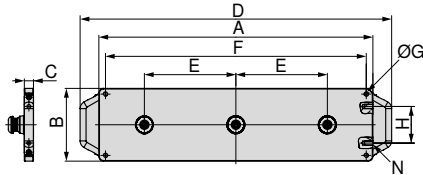
085

## Steel clamping pallet, 599 x 159 mm

- ▲ Clamping pallet for mounting PNG and MNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



80 809 ...

Size	A	B	C	D	E	F	G	H	N	WT
	mm	mm	mm	mm	mm	mm		mm		kg
599x159 mm	599	159	20	681	200	570	M10	80	M10	15,6

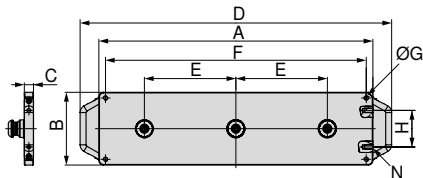
086

## Aluminium clamping pallet, 599 x 159 mm

- ▲ Clamping pallet for mounting PNG and MNG
- ▲ Without hole pattern

### Scope of supply:

Unmachined clamping pallet, PNG clamping bolt and positioning pin



80 809 ...

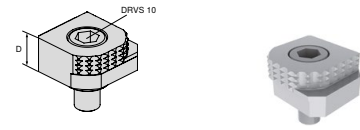
Size	A	B	C	D	E	F	G	H	N	WT
	mm	mm	mm	mm	mm	mm		mm		kg
599x159 mm	599	159	25	681	200	570	M10	80	M10	7,4

087

# General top jaws overview

## 6 function indexable jaw

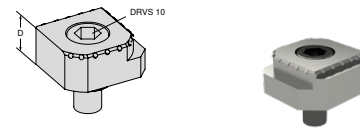
- ▲ 1 = Smooth, carbide coated
- ▲ 2 = Grip with 3 mm step
- ▲ 3 = Grip with 8 mm step
- ▲ 4 = Grip with 18 mm step
- ▲ 5 = Rough grip with 8 mm step
- ▲ 6 = Round grip
- ▲  $M_{max} = 60 \text{ Nm}$
- ▲ Including fixation screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18								80 892 246	●	●	●	●		●		●	●	●	

## 6x indexable jaw, carbide grip

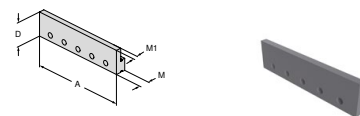
- ▲ 1 = Smooth
- ▲ 2 = Carbide grip
- ▲ 3 = Carbide grip with 3 mm step
- ▲ 4 = Carbide grip with 8 mm step
- ▲ 5 = Round carbide grip with 8 mm step
- ▲ 6 = Round carbide grip
- ▲ Incl. fixing screws



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
			18								80 890 35300	●	●	●	●		●		●	●	●	

## Positioning bar

- ▲ for stepped jaw with T-slot
- ▲ different clamping depths achievable through milling
- ▲ by milling the bar can be used as stop strip
- ▲ Material 1.7131 can be hardened if required
- ▲ Price per piece

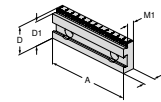


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	100		32				13,5	7		80 892 338	●					●					●
	125		32				13,5	7		80 892 339	●	●				●	●		●		●
	160		32				13,5	7		80 892 340	●					●	●				●

# General top jaws overview

## Stepped jaw, grip with T-slot

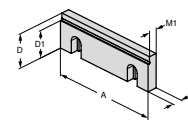
- ▲ T-slot for accommodating a positioning bar
- ▲ with 6.5 mm wide contact surface suitable for workpieces with rough edges
- ▲ laser etched graduation marks (2 mm) as a positioning aid
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35	32			17,5	11,5		<b>80 892 341</b>	●					●						●
100			35	30			17,5	11,5		<b>80 892 342</b>	●					●						●
100			35	27			17,5	11,5		<b>80 892 343</b>	●					●						●
125			40	37			17,5	11,5		<b>80 892 344</b>	●	●		●		●				●		●
125			40	35			17,5	11,5		<b>80 892 345</b>	●	●		●		●	●			●		●
125			40	32			17,5	11,5		<b>80 892 346</b>	●	●		●		●	●			●		●
160			50	45			20	13,5		<b>80 892 348</b>	●			●		●	●			●		●
160			50	42			20	13,5		<b>80 892 349</b>	●			●		●	●			●		●

## Stepped jaw, smooth

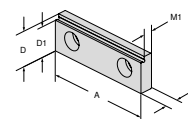
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35	30			10	7,5		<b>80 892 21400</b>	●					●						●
125			40	32			11,5	9,5		<b>80 892 21500</b>	●	●		●		●				●		●
160			50	42			13,5	10,5		<b>80 892 21600</b>	●			●		●	●			●		●

## Stepped jaw, smooth

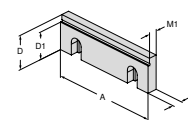
- ▲ Can be used as smooth or stepped jaw
- ▲ Jaw hardened and ground
- ▲ price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
65			22	19			8	5,5		<b>80 895 332</b>	●											

## Stepped jaw, coated 5 mm

- ▲ Price per piece

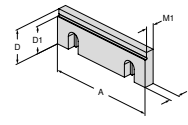


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
80			28	23			10	7,5		<b>80 878 31400</b>	●			●			●			●		●

## General top jaws overview

### Stepped jaw, coated 5 mm

▲ Price per piece

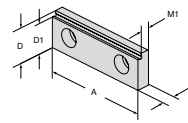


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
100			35	30			10	7,5	
125			40	35			11,5	9,5	
160			50	45			13,5	10,5	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 36300	●						●				
80 892 250	●	●					●		●		●
80 892 36400	●			●			●				

### Stepped jaw, 5 mm

▲ Price per piece

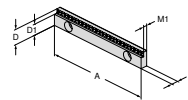


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80			28	23			10	7,5	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 878 830				●				●	●		

### Stepped jaw, Grip

▲ Price per piece

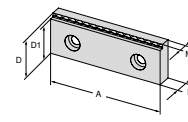


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
125			18	13			8	5,5	
125			18	15			8	5,5	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 898 252		●		●							
80 898 250		●		●					●		

### Stepped jaw, grip, 3 mm

▲ Price per piece



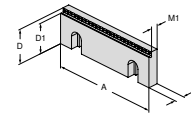
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
80			28	25			10	7	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 906 30900				●			●		●		

## General top jaws overview

### Stepped jaw, grip 3, 5 and 8 mm

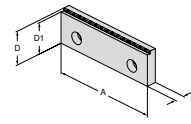
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35	27			10	7,5		80 892 29200	●					●						●
100			35	30			10	7,5		80 892 29000	●					●						●
100			35	32			10	7,5		80 892 29400	●					●						●
125			40	32			11,5	9		80 892 29300	●	●		●		●						●
125			40	35			11,5	9		80 892 29100	●	●		●		●				●		●
125			40	37			11,5	9		80 892 29500	●	●		●		●				●		●
160			50	42			13,5	11		80 892 29900	●	●		●		●						●
160			50	45			13,5	11		80 892 29800	●	●		●		●						●
160			50	47			13,5	11		80 892 29700	●	●		●		●						●

### Stepped jaw, carbide grip 3 mm

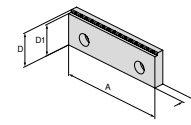
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35	32			7,5			80 892 37600	●	●		●		●	●			●		●
125			40	37			11,5			80 892 36500	●	●		●		●	●			●		●
160			50	47			13,5			80 892 37400	●	●		●		●	●			●		●

### Stepped jaw, carbide grip 5 mm

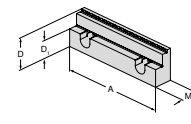
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35	30			12			80 892 37700	●	●		●		●	●			●		●
125			40	35			13,5			80 892 37500	●	●		●		●	●			●		●
160			50	45			15,5			80 892 37300	●	●		●		●	●			●		●

### Stepped jaw, 18 mm with 3 mm Grip Step

▲ Price per piece

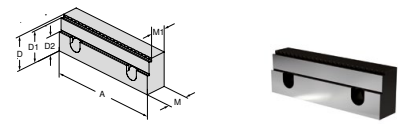


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125			40	22			21,5			80 892 288	●	●		●		●	●			●		●

## General top jaws overview

### Stepped jaw, 18 mm with 3 mm grip step

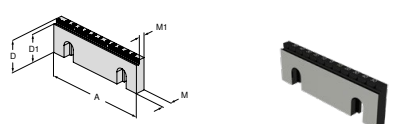
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 907 302	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	125		40	37	22		24	19			●	●		●		●			●			●

### Stepped jaw, grip 5 mm for aluminium and plastic

▲ Price per piece

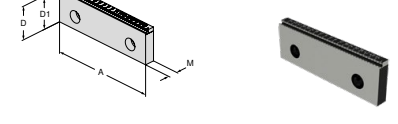


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 892 36100	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	125		40	35			11,5	8			●	●		●		●			●			●

### Stepped jaw embossed profile

▲ Price per piece

▲ suitable for LANG embossed profile



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 892 36200	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	125		40	37			11,5				●	●		●		●			●			●

### Jaw, grip

▲ Price per piece

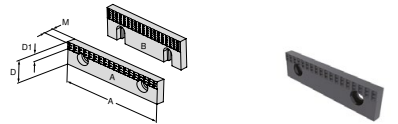
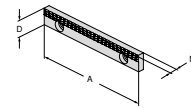


Illustration	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 892 279	80 892 280	80 892 284	80 892 21700	80 892 21800	80 892 21900	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
A	40		22	7			7,8																					
A	65		22	7			7,8																					
A	90		22	7			7,8																					
B	100		35	12			10						●			●												
B	125		40	14,5			11,5						●	●		●								●				●
B	160		50	14,5			13,5						●			●												

## General top jaws overview

### Top jaw, grip

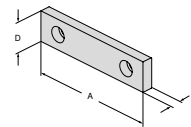
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 898 253	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	125		18				7,8				●	●	●						●		

### Ground top jaw

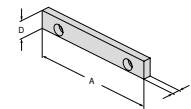
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 889 401	80 889 405	80 889 651	80 889 655	80 889 901	80 889 905	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	40		22				7,7																				
	40		35				10																			●	
	65		22				7,7																			●	
	65		35				10																			●	
	90		22				7,7																			●	
	90		35				10																			●	

### Ground top jaw

▲ Price per piece

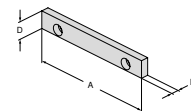


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 898 251	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	125		18				7,6				●	●	●						●		

### Top jaw, carbide coated

▲ with carbide coating

▲ Price per piece



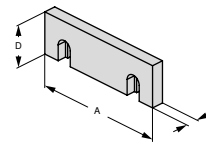
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	80 898 254	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
	125		18				7,6				●	●	●						●		



# General top jaws overview

## Smooth jaw

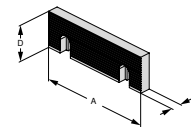
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35				10				80 892 20400	●				●						●
125			40				11,5				80 892 20500	●		●		●				●		●
160			50				13,5				80 892 20600	●		●		●	●					●

## Jaw, profiled

▲ Price per piece

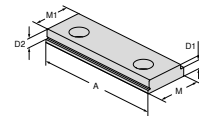


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			35				10				80 892 20700	●				●						●
125			40				11,5				80 892 20800	●		●		●	●		●			●
160			50				13,5				80 892 20900	●		●		●	●					●

## Grip jaw, indexable

▲ For vertical and horizontal application

▲ Price per piece



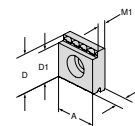
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
65			8	5,5	5		22	19			80 895 340	●					●					
100			10,5	8	5		35	32			80 895 343	●				●						●

## Grip jaw, indexable

▲ For vertical and horizontal application

▲ 3 point clamping

▲ Price per piece

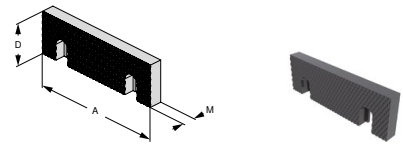


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
65	22		22	19			8	5,5			80 895 335	●					●					
100	35		35	32			10,5	8			80 895 345	●				●						

## General top jaws overview

### Jaw, cut

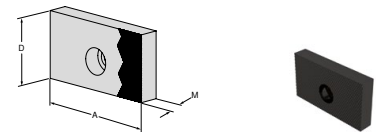
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	100		35				11			80 892 20100	●					●						●
	125		40				12,5			80 892 20200	●			●		●				●		●
	160		50				14,5			80 892 20300	●			●		●	●					●

### Jaw, cut

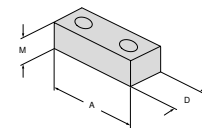
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	40		35				11			80 889 408											●	
	40		22				8			80 889 404											●	
	65		35				11			80 889 658											●	
	65		22				8			80 889 654											●	
	90		35				11			80 889 908											●	
	90		22				8			80 889 904											●	

### Soft jaw, steel

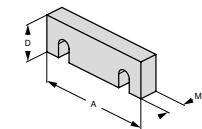
- ▲ Material: 16MnCr5
- ▲ Only for vertical application
- ▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	40		22				20			80 895 244											●	
	65		22				20			80 895 245		●		●			●				●	
	90		22				20			80 895 246											●	

### Soft jaw, steel

- ▲ Material: 14NiCr14
- ▲ for the preparation of formed jaws
- ▲ Price per piece

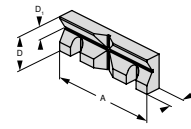


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	100		35				16			80 892 24700	●					●						●
	125		40				20			80 892 24800	●	●		●		●	●			●		●
	160		50				20			80 892 24900	●			●		●	●					●

## General top jaws overview

### Prismatic jaw

- ▲ with horizontal and vertical prism
- ▲ prism horizontally and vertically ground for parallelism
- ▲ Price per piece

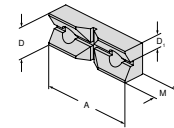


For clamping diameter	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
11 - 41	100		35	13			15,5		
14 - 48	125		40	16			17,5		
16 - 60	160		50	20			19,5		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 26100	●					●					●
80 892 26200	●	●		●		●			●		●
80 892 26300	●			●		●	●				

### Prismatic jaw

- ▲ with horizontal and vertical prism
- ▲ price per piece

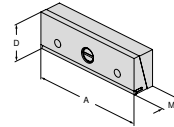


For clamping diameter	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
11 - 22	65		22	11			15		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 895 337		●					●				

### Precision pull down jaw

- ▲ Pull down jaw is only for use on the movable jaw
- ▲ Price per piece

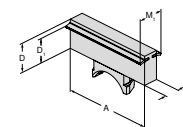


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
	100		35				25		
	125		40				25		
	160		50				27,5		

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 370	●										●
80 892 371	●	●		●			●		●		●
80 892 372	●			●			●				

### Adapter jaws with pull down

- ▲ for the types NCG, NCG2, and HDG2
- ▲ with reciprocal pull down feather/spring jaws
- ▲ price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>
	100		35	28			28	45	
	125		40	32,5			20	35	
	160		50	42			20	35	

	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80 892 258	●										
80 892 259	●					●					
80 892 260	●					●					

# General top jaws overview

## Multipin front jaw

▲ Price per piece

**NCG** **HDG 2**

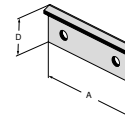


**80 890 ...**

A mm	D mm	
125	40	<b>30200</b>

## Pull down jaw with spring plate

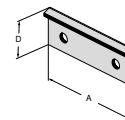
▲ for finish machining  
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	80		24							<b>80 901 309</b>												
	125		35							<b>80 901 310</b>				●				●		●		
	160		45							<b>80 901 311</b>				●				●				

## Pull down jaw with spring plate

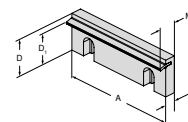
▲ for finish machining  
▲ Price per piece



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	65		23							<b>80 898 923</b>												
	100		36							<b>80 898 924</b>	●											●
	125		41							<b>80 898 925</b>	●						●					●
	160		51							<b>80 898 926</b>	●						●					●

## Spring leaf pull down jaw

▲ Price per piece

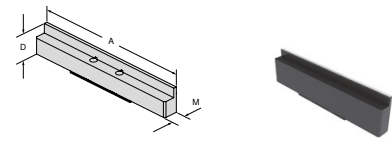


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
	100		35	28			10	18,5		<b>80 892 22800</b>	●					●						●
	125		40	32,5			11,5	19		<b>80 892 22900</b>	●			●		●				●		●
	160		50	42			13,5	21		<b>80 892 23000</b>	●			●		●						●

# Workpiece supports overview

## Workpiece supports, offset

- ▲ hardened and ground
- ▲ held by means of spring wedge in the baseplate
- ▲ Price for 2 pieces



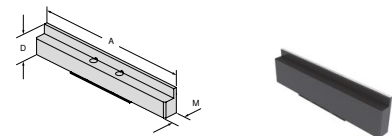
For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG		
100			16				10,5			80 890 401	●												
100			11				10,5			80 890 400	●												
100			23				10,5			80 890 409	●												
100			25,5				10,5			80 890 411	●												
100			29,5				10,5			80 890 421	●												
125			32,5				10,5			80 890 395	●												
125			11				10,5			80 890 390	●												
125			16				10,5			80 890 391	●												
125			21				10,5			80 890 392	●												
125			26				10,5			80 890 393	●												
125			29				10,5			80 890 394	●												
125			36				10,5			80 890 396	●												
125			25				10,5			80 890 422	●												
160			39				10,5			80 890 454	●												
160			26				10,5			80 890 452	●												
160			42,5				10,5			80 890 456	●												

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125							10,5			80 890 399	●											

 **80 890 399:** Set of 7 workpiece supports of 2 pieces in a wooden box (exclusive **80 890 422**)

## Workpiece supports, offset

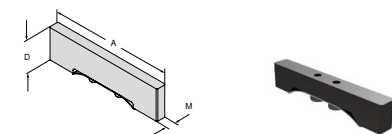
- ▲ Hardened and ground
- ▲ Held by means of clamping springs in the base plate
- ▲ 2 pieces contained in set
- ▲ Price per set



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG			
125			11				10,5			80 901 703				●										
125			21				10,5			80 901 704				●										
125			25				10,5			80 901 705				●										
160			26				10,5			80 901 700				●										
125			32,5				10,5			80 901 706				●										
160			39				10,5			80 901 701				●										
160			42,5				10,5			80 901 702				●										

## Workpiece supports, offset

- ▲ Hardened and ground
- ▲ Held by means of clamping springs in the base plate
- ▲ Two pieces contained in set
- ▲ Price per set

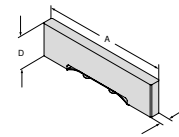


For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG				
80			15				10,5			80 901 707				●											
80			20				10,5			80 901 708				●											

# Workpiece supports overview

## Workpiece supports, offset

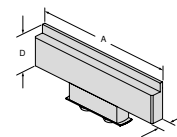
- ▲ Hardened and ground
- ▲ Held by means of clamping springs in the base plate
- ▲ Two pieces contained in set
- ▲ Price per set



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125			15				10,5			80 906 715											
125			22				10,5			80 906 722											●
125			25				10,5			80 906 725											●
125			32,5				10,5			80 906 732											●


## Workpiece supports

- ▲ hardened and ground
- ▲ held by spring clips in the baseplate
- ▲ Price for 2 pieces



For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
100			16				10,5			80 892 401											
100			25,5				10,5			80 892 411											
100			29,5				10,5			80 892 421											
125			11				10,5			80 892 390											
125			16				10,5			80 892 391											
125			21				10,5			80 892 392											
125			26				10,5			80 892 393											
125			29				10,5			80 892 394											
125			32,5				10,5			80 892 395											
125			36				10,5			80 892 396											
160			26				10,5			80 892 403											
160			39				10,5			80 892 413											
160			42,5				10,5			80 892 423											

For vice width	A	A <sub>1</sub>	D	D <sub>1</sub>	D <sub>2</sub>	E	M	M <sub>1</sub>	M <sub>2</sub>	NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	
125							10,5			80 892 399					●						

 **80 892 399:** Set of 7 workpiece supports of 2 pieces in a wooden box

## Magnet workpiece supports, set



- ▲ With clearance on the underside
- ▲ Flexible and rational clamping
- ▲ Height accuracy +/- 0.01 mm
- ▲ Quick and easy to install thanks to magnetic adhesion

## Workpiece supports overview

### Magnet workpiece supports, set

- ▲ Stainless spring steel
- ▲ Pressed magnets
- ▲ Delivered in set: 5 pairs of 2 pieces
- ▲ Price per set



A	D	M		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	5 / 10 / 15 / 20 / 22	2,5	<b>80 878 79800</b>			●	●			●		●		
125	8 / 12 / 15 / 20 / 22	2,5	<b>80 878 79700</b>	●		●	●			●		●		
125	8 / 12 / 20 / 25 / 27	2,5	<b>80 878 79900</b>	●		●	●		●	●		●		

### Magnet workpiece supports, set

- ▲ Stainless spring steel
- ▲ Pressed magnets
- ▲ Delivered in set: 5 pairs of 2 pieces
- ▲ Price per set



A	D	M		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
100	12 / 20 / 25 / 30 / 32	2,5	<b>80 892 79700</b>	●		●			●	●				
125	12 / 25 / 30 / 35 / 37	2,5	<b>80 892 79800</b>	●		●			●	●		●		
160	15 / 30 / 40 / 45 / 47	2,5	<b>80 892 79900</b>	●		●	●		●	●		●		

### Magnet workpiece supports, set

- ▲ Stainless spring steel
- ▲ Pressed magnets
- ▲ Delivered in set: 5 pairs of 2 pieces
- ▲ Price per set

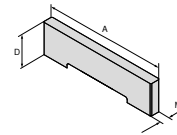


A	D	M		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
125	9 / 22 / 27 / 32 / 34	2,5	<b>80 901 79900</b>	●		●			●	●		●		

# Workpiece supports overview

## Magnet workpiece supports

▲ Price per pair



A	D	M		NCG	H6G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG
80	5	2,5	80 892 79600											
80	10	2,5	80 892 79500	•										
80	15	2,5	80 892 79400											
80	20	2,5	80 892 79300											
80	22	2,5	80 892 79200											
100	12	2,5	80 892 79100	•										
100	20	2,5	80 892 79000											
100	25	2,5	80 892 78900											
100	27	2,5	80 892 78800	•										
100	29	2,5	80 892 78700	•										
100	30	2,5	80 892 78600	•										
100	31	2,5	80 892 78500	•										
100	32	2,5	80 892 78400	•										
125	8	2,5	80 892 78300	•										
125	9	2,5	80 892 78200	•										
125	10	2,5	80 892 78100	•										
125	12	2,5	80 892 78000	•										
125	15	2,5	80 892 77900	•										
125	20	2,5	80 892 77800	•										
125	22	2,5	80 892 77700	•										
125	23	2,5	80 892 77600	•										
125	25	2,5	80 892 77500	•										
125	27	2,5	80 892 77400	•										
125	30	2,5	80 892 77300	•										
125	31	2,5	80 892 77200	•										
125	32	2,5	80 892 77100	•										
125	33	2,5	80 892 77000	•										
125	34	2,5	80 892 76900	•										
125	35	2,5	80 892 76800	•										
125	36	2,5	80 892 76700	•										
125	37	2,5	80 892 76600	•										
160	15	2,5	80 892 76500	•										
160	22	2,5	80 892 76400	•										
160	30	2,5	80 892 76300	•										
160	37	2,5	80 892 76200	•										
160	40	2,5	80 892 76100	•										
160	41	2,5	80 892 76000	•										
160	42	2,5	80 892 75900	•										
160	43	2,5	80 892 75800	•										
160	44	2,5	80 892 75700	•										
160	45	2,5	80 892 75600	•										
160	46	2,5	80 892 75500	•										
160	47	2,5	80 892 75400	•										

## Workpiece support, magnetic

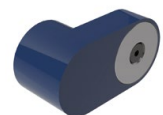
Scope of supply:

Including stop pin 50 mm/100 mm



for width mm	Size	80 892 ...
80/100/125/160	60x15	23800
80/100/125/160	115x15	23900

## Extension for workpiece support, magnetic



for width mm	Size	80 892 ...
80/100/125/160	68x30 mm	25400



## Accessories General Overview

### Alignment and centering kit for T-slots

▲ Price per piece

H5G -Z	ESG 4
DSG 4	



80 897 ...

l mm	for slot width mm	
100	14	114
100	16	116
100	18	118

### Alignment and centring set

▲ Price per piece

ESG 4	DSG 4
----------	----------



80 906 ...

l mm	for slot width mm	
80	12	812
80	14	814
80	16	816
80	18	818

### Clamping Screw Set for T-slot for MNG

▲ Price for 2 pieces

ESG 4	ZSG 4
DSG 4	



80 899 ...

for width mm	G	
12	M10	312
14	M12	314
16	M12	316
18	M12	318

### Workpiece stop

NCG	H5G	HDG 2	DSG 4
ESG 4	ZSG 4		



80 892 ...

400

### Workpiece stop

ESG 4	ZSG 4
DSG 4	



80 895 ...

010

### Workpiece stop

ESG 4	ZSG 4
----------	----------



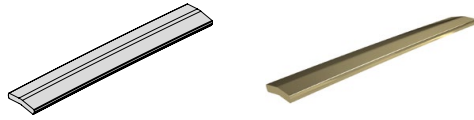
80 884 ...

400

## Accessories General Overview

### Replacement spring plates

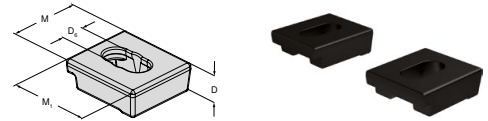
- ▲ price per piece
- ▲ for pull down and intermediate jaws



for width mm	80 892 ...
100	430
125	431
160	432

### Clamping claws

- ▲ Price for 2 pieces



D mm	D <sub>6</sub> mm	M mm	M <sub>1</sub> mm	80 890 ...
20	16	50	57	315

# Clamping levers overview

## Clamping Handle with Joint

▲ without socket



Torque in Nm	Square drive	DRVS		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
	1/2"		80 891 600				●			●						

## Torque Wrench

▲ without socket



Torque in Nm	Square drive	DRVS		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
10 - 100	1/2"		80 884 502				●			●	●	●	●			
20 - 200	1/2"		80 884 504				●			●	●	●	●			

## Torque key

▲ without socket



Torque in Nm	Square drive	DRVS		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
5 - 50	3/8"		80 884 402								●		●		●	

## Control set

▲ Torque key incl. socket, screwdriver A/F10 and 1/2" extension



Torque in Nm	Square drive	DRVS		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
8 - 50	3/8"	10	80 899 410												●	

# Clamping levers overview

## Socket

▲ Suitable for 1/2" or 3/8" square drive



Torque in Nm	Square drive	DRVS		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Veriso	HSG	MNG	MNG mini
	3/8"	5	<b>80 877 105</b>													
	3/8"	6	<b>80 877 10600</b>													
	3/8"	8	<b>80 877 108</b>										•		•	•
	1/2"	8	<b>80 877 208</b>													
	1/2"	10	<b>80 877 210</b>													
	1/2"	14	<b>80 877 214</b>			•										

## Socket

▲ Suitable for 1/2" or 3/8" square drive



Torque in Nm	Square drive	DRVS		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDC 2	ZSG 4	ZSG mini	DSG 4	Veriso	HSG	MNG	MNG mini
	3/8"	7	<b>80 875 107</b>													
	3/8"	11	<b>80 875 11100</b>								•					
	3/8"	12	<b>80 875 112</b>				•			•		•				
	1/2"	12	<b>80 875 212</b>				•			•		•				
	1/2"	14	<b>80 875 214</b>				•			•		•				

## Screws Overview

### Clamping screw for top jaws

▲ DIN EN ISO 4762 (1998-02)



For vice width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
	M8x12		80 892 296	●	●					●	●					
	M6x8		80 895 013									●	●			

### Clamping screw with shallow head for top jaws

▲ see DIN7984 (1985-05)



For vice width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
	M8x10		80 889 950	●	●				●	●						

### Clamping screw for system jaws

▲ Price per piece



For vice width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
	M12x20		80 890 630	●	●											
	M12x40		80 890 632	●	●											

### Allen cap screw

▲ DIN 912



For vice width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
	M12x45		80 899 124												●	

### Dowel screws

▲ Price for 2 pieces



For vice width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
100	M12x38	12	80 890 313	●			●									
125 / 160	M16x55	16	80 890 314	●												

# Screws Overview

## Dowel screw

▲ Price for 2 pieces



For vice width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
125	M12x45	12	80 895 019	●	●	●	●			●		●			●	

## Clamping screw and T-Nuts

▲ For mounting the clamping claw

▲ Price per 2 pieces



For slot width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
12	M10		80 890 308	●	●		●		●	●		●	●			
14	M12		80 890 309	●	●		●		●	●		●	●			
16	M14		80 890 310	●	●		●		●	●		●	●			
18	M16		80 890 311	●	●		●		●	●		●	●			

## Clamping screws for round clamps, T-Nut

▲ incl. nut and washer

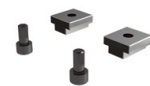
▲ Price per 2 Pieces



For slot width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
12	M10		80 899 112										●		●	
14	M12		80 899 114										●		●	
16	M12		80 899 116										●		●	
18	M12		80 899 118										●		●	

## Tenon incl. screw

▲ Price per 2 pieces



For slot width	G	J <sub>17</sub>		NCG	H5G / -S / -Z	X5G-Z / -S	ESG 4	ESG 5	HDG 2	ZSG 4	ZSG mini	DSG 4	Verso	HSG	MNG	MNG mini
12	M6		80 898 412	●	●		●		●			●				
14	M6		80 898 414	●	●		●		●			●				
16	M6		80 898 416	●	●		●		●			●				
18	M6		80 898 418	●	●		●		●			●				