



KONTEC KSC mini

**Centric clamping vise for
small components with jaw
quick-change**

Centric clamping vise for small components with tool-free jaw quick change and stainless steel base body

KONTEC KSC mini promises the simplest handling of small components due to symmetrical clamping with high clamping forces. By virtue of its compact dimensions and accessibility from all sides, the vise is ideally suitable for raw and finished parts machining, multiple clamping and automation applications. The jaw quick-change system ensures jaw changes in a matter of seconds without requiring additional tools. The jaws can be exchanged by simply clicking the jaw into place. The jaws are available in widths of 45 mm and 70 mm, and can be used on all KSC mini vises. The stainless steel base body also ensures a long service life of the clamping device.



Advantages – Your benefits

- + Jaw quick-change without any tools**
Adjustment to new clamping tasks within seconds
- + High clamping force**
Ensures process reliability during machining
- + Large clamping range**
High flexibility at the workpiece
- + Optimal accessibility**
Ideally suited for 5-sided machining
- + Wide range of applications**
Suitable for rough and finished parts machining
- + Small and compact design**
Ideal for multiple applications to increase machine running time
- + Wide jaw program**
Optimum adaptation to new clamping tasks, even with different jaw widths
- + Clamping by tension**
No bending of base body
- + Stainless and hardened base body**
Dirt-resistant and low-maintenance clamping devices

Function KSC mini

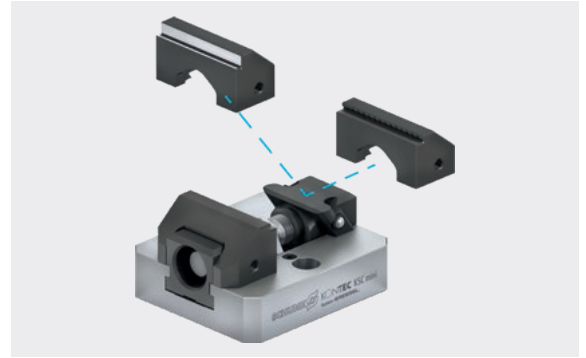
The KSC mini centric clamping vises are manual direct clamping vises. The drive takes place via a spindle. The force builds up directly and is linear. The clamping force depends on the torque. Both jaws open or close synchronously. The quick-change jaws are secured by pressure pieces and can be exchanged within seconds without requiring additional tools.



- 1 Jaw quick-change system**
System jaws can be exchanged in seconds, completely without tools
- 2 Stainless and hardened base body**
Dirt-resistant and low-maintenance clamping devices
- 3 Actuation via hexagon connection**
This ensures easy operation
- 4 Spindle drive**
For the highest of clamping forces
- 5 Spring-loaded pressure piece**
Secures the jaw against falling out in unclamped condition
- 6 Quick-change jaws**
In jaw widths 45 and 70 mm, which can be used on all sizes
- 7 Diverse applications**
For first- and second-side machining

Jaw quick-change system

Due to the jaw quick-change system, the system jaws of the KSC mini vise can be extremely fast changed over to new system jaws. The whole jaw change is achieved without any tools at all. You can choose between two jaw widths (45 mm and 70 mm) and a broad range of jaws.



Made of stainless steel – long service life

The base body of the KSC mini is made of hardened stainless steel.



Best accessibility from all sides

The compact design as well as the specially developed system jaws ensure optimum accessibility of the tool to the workpiece from all five sides. With the VS quick-change jaws an even larger clamping range can be covered.



Several jaw widths can be used

The KSC mini offers the possibility to use different jaw widths of 45 mm and 70 mm depending on the requirements on the vise. By virtue of the jaw quick-change system, these can be exchanged quickly and easily.



Mounting options

The KSC mini offers two possibilities to mount the vise on the machine table. The general fastening is done by two screws through the base body. For a more precise alignment, the vise can still be aligned on the machine table via two $\varnothing 12H7$ precision bore holes.

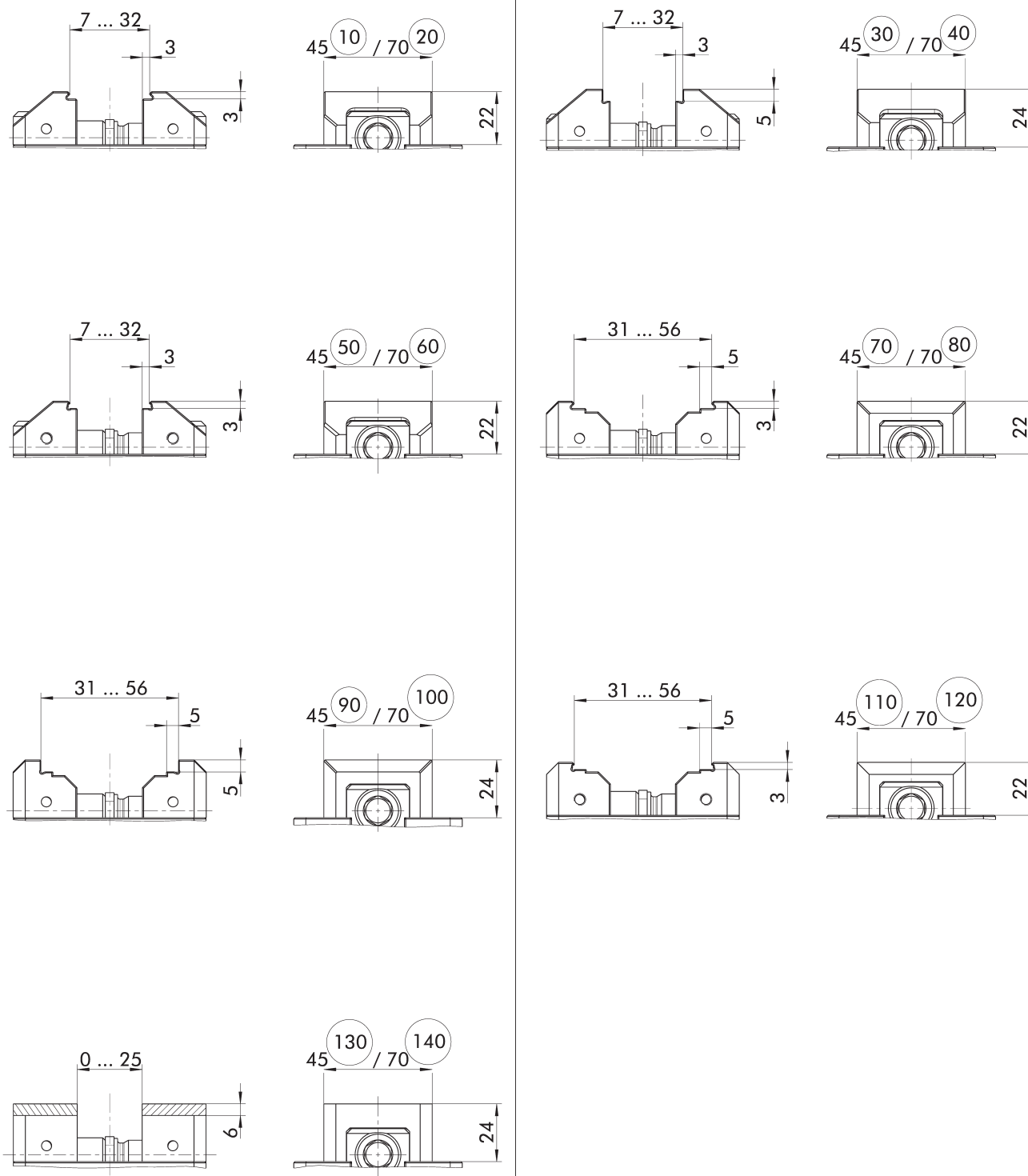
- ① Mounting via screws
- ② Mounting via screws and precision bore holes



VERO-S NSE mini interface

In addition to the mounting options via screws or screws with alignment pins, the KSC mini 70-100 is designed with the VERO-S NSE mini interface. This means that the vise can be used on NSE mini modules and clamping stations with integrated anti-rotation protection V1.





Suitable system jaws with position number on the next page.
Subject to technical changes.

Technical data

Description	ID	Width of the clamping vise [mm]	Max. clamping force [kN]	Max. torque [Nm]	Weight [kg]
KSC mini 70-80	1452102	70	16	50	0.9

Scope of delivery

Clamping vise incl. operating manual; without system jaws, without torque wrench

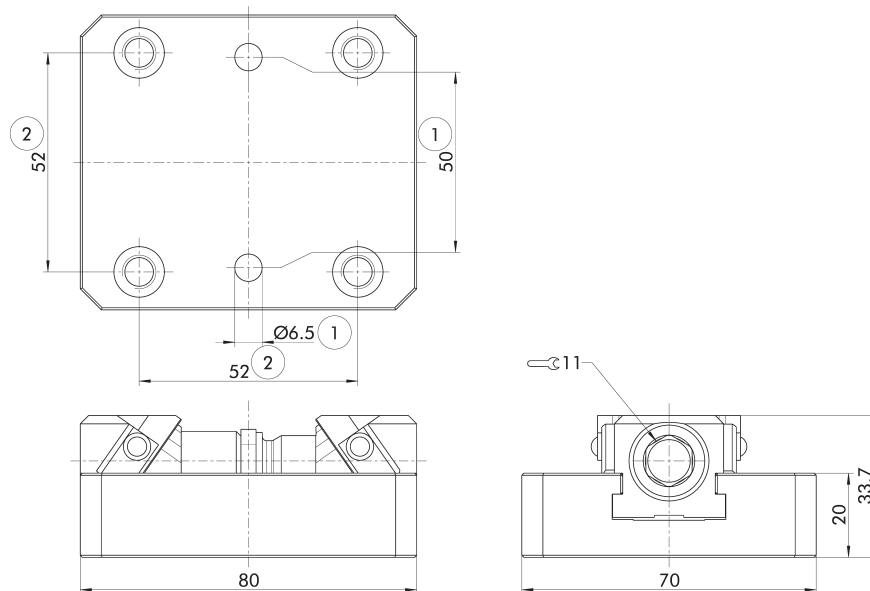
Note

System jaws

The clamping device and the system jaws have to be put together separately for this version.

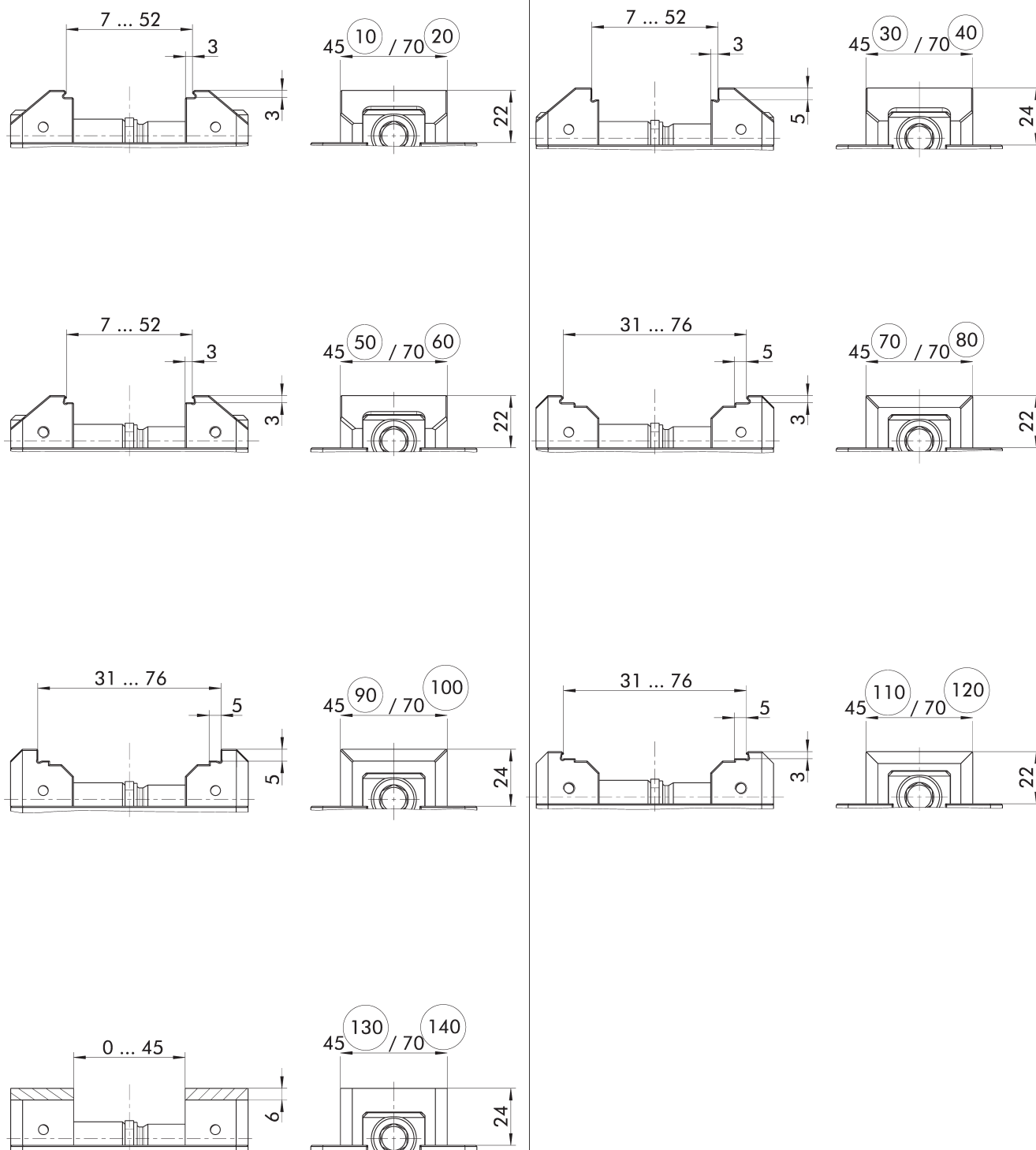
Suitable system jaws

Description	Pos.	Description	ID	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]
Grip jaw	10	SGWB-G3-B 45-26.5-22	1452105	45	26.5	22	0.1
Grip jaw	20	SGWB-G3-B 70-26.5-22	1452106	70	26.5	22	0.2
Smooth jaw	30	SGWB-S5-B 45-26.5-24	1452107	45	26.5	24	0.1
Smooth jaw	40	SGWB-S5-B 70-26.5-24	1452108	70	26.5	24	0.2
Jaw with embossed profile	50	SGWB-GL-B 45-26.5-22	1497092	45	26.5	22	0.1
Jaw with embossed profile	60	SGWB-GL-B 70-26.5-22	1497093	70	26.5	22	0.1
VS grip jaw	70	SGVS-G3-B 45-26.5-22	1452074	45	26.5	22	0.1
VS grip jaw	80	SGVS-G3-B 70-26.5-22	1452075	70	26.5	22	0.2
VS smooth jaw	90	SGVS-S5-B 45-26.5-24	1452076	45	26.5	24	0.1
VS smooth jaw	100	SGVS-S5-B 70-26.5-24	1452077	70	26.5	24	0.2
VS jaws with embossed profile	110	SGVS-GL-B 45-26.5-22	1497094	45	26.5	22	0.2
VS jaws with embossed profile	120	SGVS-GL-B 70-26.5-22	1497095	70	26.5	22	0.2
Steel jaw	130	SGS-B 45-26.5-24	1465309	45	26.5	24	0.1
Steel jaw	140	SGS-B 70-26.5-24	1465350	70	26.5	24	0.2



① Prepared for M6 screws

② Prepared for GFD-SP mini clamping pin Ø16 h6



Suitable system jaws with position number on the next page.
Subject to technical changes.

Technical data

Description	ID	Width of the clamping vise [mm]	Max. clamping force [kN]	Max. torque [Nm]	Weight [kg]
KSC mini 70-100	1452103	70	16	50	1.1

Scope of delivery

Clamping vise incl. operating manual; without system jaws, without torque wrench

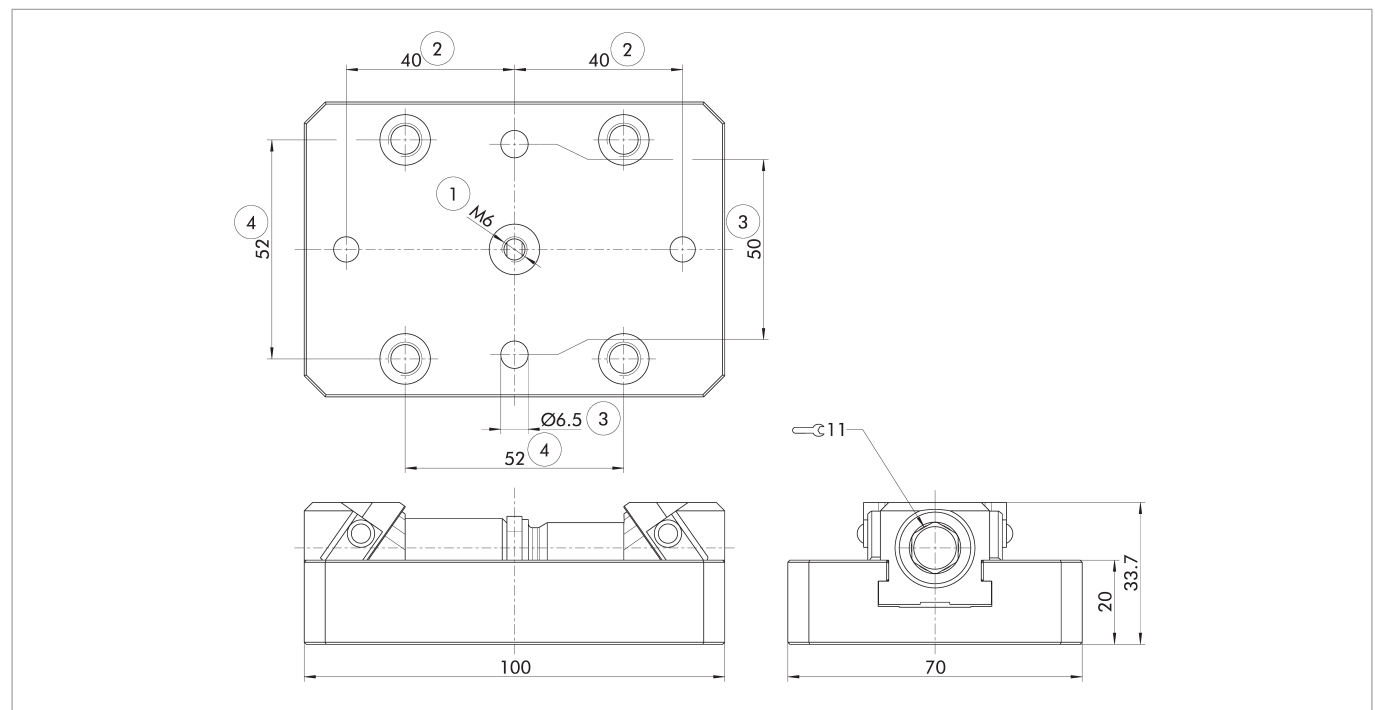
Note

System jaws

The clamping device and the system jaws have to be put together separately for this version.

Suitable system jaws

Description	Pos.	Description	ID	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]
Grip jaw	10	SGWB-G3-B 45-26.5-22	1452105	45	26.5	22	0.1
Grip jaw	20	SGWB-G3-B 70-26.5-22	1452106	70	26.5	22	0.2
Smooth jaw	30	SGWB-S5-B 45-26.5-24	1452107	45	26.5	24	0.1
Smooth jaw	40	SGWB-S5-B 70-26.5-24	1452108	70	26.5	24	0.2
Jaw with embossed profile	50	SGWB-GL-B 45-26.5-22	1497092	45	26.5	22	0.1
Jaw with embossed profile	60	SGWB-GL-B 70-26.5-22	1497093	70	26.5	22	0.1
VS grip jaw	70	SGVS-G3-B 45-26.5-22	1452074	45	26.5	22	0.1
VS grip jaw	80	SGVS-G3-B 70-26.5-22	1452075	70	26.5	22	0.2
VS smooth jaw	90	SGVS-S5-B 45-26.5-24	1452076	45	26.5	24	0.1
VS smooth jaw	100	SGVS-S5-B 70-26.5-24	1452077	70	26.5	24	0.2
VS jaws with embossed profile	110	SGVS-GL-B 45-26.5-22	1497094	45	26.5	22	0.2
VS jaws with embossed profile	120	SGVS-GL-B 70-26.5-22	1497095	70	26.5	22	0.2
Steel jaw	130	SGS-B 45-26.5-24	1465309	45	26.5	24	0.1
Steel jaw	140	SGS-B 70-26.5-24	1465350	70	26.5	24	0.2



- ① Prepared for VERO-S
- ② Prepared for indexing pin

- ③ Prepared for M6 screws
- ④ Prepared for GFD-SP mini clamping pin Ø16 h6

System jaws

Grip jaw

Designed as a quick-change jaw.
Jaw width 45 mm, with a grip step of 3 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGWB-G3-B 45-26.5-22		1452105

Grip jaw

Designed as a quick-change jaw.
Jaw width 70 mm, with a grip step of 3 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGWB-G3-B 70-26.5-22		1452106

Smooth jaw

Designed as a quick-change jaw.
Jaw width 45 mm, with a ground step of 5 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGWB-S5-B 45-26.5-24		1452107

Smooth jaw

Designed as a quick-change jaw.
Jaw width 70 mm, with a ground step of 5 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGWB-S5-B 70-26.5-24		1452108

Jaw with embossed profile

Designed as a quick-change jaw.
Jaw width 45 mm, with a special grip step for clamping pre-embossed workpieces simply and safely.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGWB-GL-B 45-26.5-22		1497092

Jaw with embossed profile

Designed as a quick-change jaw.
Jaw width 70 mm, with a special grip step for clamping pre-embossed workpieces simply and safely.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGWB-GL-B 70-26.5-22		1497093

VS grip jaw

Designed as a quick-change jaw.
Jaw width 45 mm, with a grip step of 3 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGVS-G3-B 45-26.5-22		1452074

VS grip jaw

Designed as a quick-change jaw.
Jaw width 70 mm, with a grip step of 3 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGVS-G3-B 70-26.5-22		1452075

VS smooth jaw

Designed as a quick-change jaw.
Jaw width 45 mm, with a ground step of 5 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGVS-S5-B 45-26.5-24		1452076

VS smooth jaw

Designed as a quick-change jaw.
Jaw width 70 mm, with a ground step of 5 mm.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGVS-S5-B 70-26.5-24		1452077

VS jaws with embossed profile

Designed as a quick-change jaw.
Jaw width 45 mm, with a special grip step for clamping pre-embossed workpieces simply and safely.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGVS-GL-B 45-26.5-22		1497094

VS jaws with embossed profile

Designed as a quick-change jaw.
Jaw width 70 mm, with a special grip step for clamping pre-embossed workpieces simply and safely.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGVS-GL-B 70-26.5-22		1497095

Steel jaw

Designed as a quick-change jaw.
Jaw width 45 mm, as hardenable jaws for rework at the customer site, e.g. for incorporating contours or special shapes.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGS-B 45-26.5-24		1465309

Steel jaw

Designed as a quick-change jaw.
Jaw width 70 mm, as hardenable jaws for rework at the customer site, e.g. for incorporating contours or special shapes.



Suitable for	Description	Interface	ID
KSC mini 70-80			
KSC mini 70-100	SGS-B 70-26.5-24		1465350

Accessories

Clamping pin GFD-SP mini

Clamping pin for form-fit connection of GFD mini set-up systems with clamping devices from SCHUNK.

1 set = 4 pieces.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	GFD-SP mini Ø16 h6	1561291

Clamping pins

Clamping pin for positive connection with NSE mini clamping modules. With shortened fastening screw.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	SPA mini 20-K	1490545

Indexing pin

Used as an anti-rotation protection for VERO-S modules with anti-rotation protection V1. Shortened version.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	IXB V1-K mini	1490546

Torque wrench 5 – 50 Nm

Serves for applying a defined torque. With 3/8" square drive.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	GSH-D 5-50	0432355

Hexagonal insert SW 11

Suitable for square drive 3/8".



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	GSK-I SW11-3/8"	1452078

Magnetic workpiece stop, small

For quick and easy attachment to system jaws or vises.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	GWSA-M 60 x 15	1391293

Cylindrical screw

For fastening SCHUNK clamping devices.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	GZSC M6x25	1518705

Cylinder pin set

For easier assembly of the clamping device on the machine table.



Suitable for	Description	ID
KSC mini 70-80		
KSC mini 70-100	GZS Ø12m6	1320742



**H.-D. SCHUNK GmbH & Co.
Spanntechnik KG**

Lothringer Str. 23
D-88512 Mengen
Tel. +49-7572-7614-1300
Fax +49-7572-7614-1039
CMM@de.schunk.com
schunk.com