



KONTEC KSC3-K

**Extremely compact single-
acting clamping vise for
precise machining of the
sixth side**

Compact single-acting vise with high clamping forces at maximum precision with nickel-plated base body

With the new SCHUNK KONTEC KSC3-K single-acting clamping vise, the successful KSC3 series of centric clamping vises gets another elementary component. The base body of the KSC3-K vises has now been extended to include a transverse groove for the fixed jaw. This means that precise second-side machining is now also possible. Especially in multiple applications, such as on tombstones, synergies can be achieved with centric and single-acting clamping vises, and processes can be significantly accelerated.

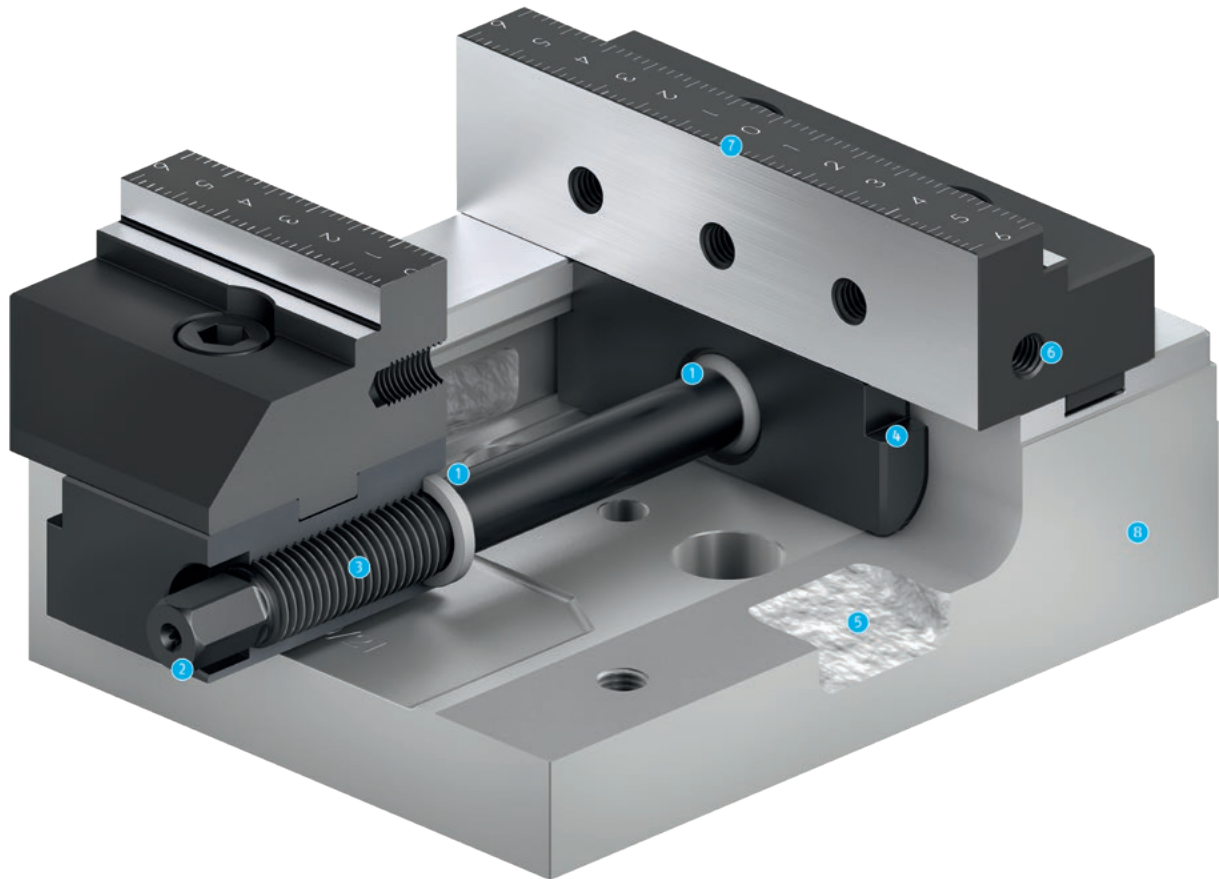


Advantages – Your benefits

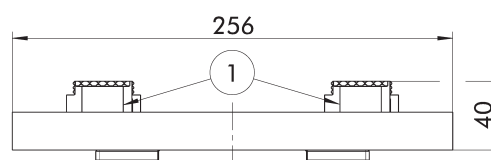
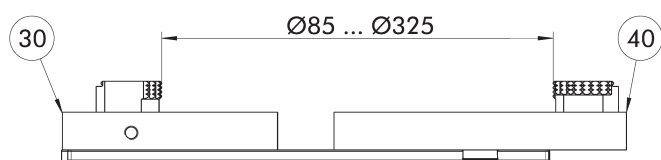
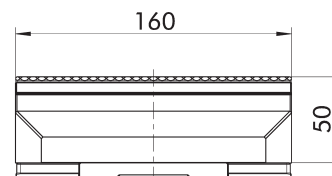
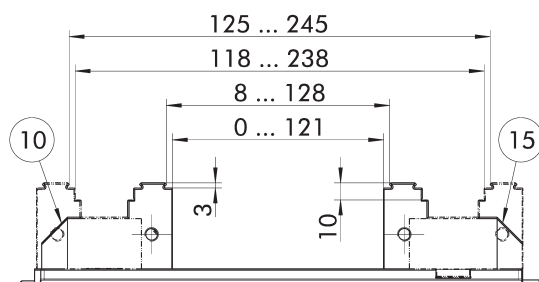
- + Nickel-plated base body**
For optimal corrosion protection and an even wider range of applications
- + Extremely flat design**
For maximum utilization of the machine room
- + High clamping forces**
Ensure process reliability during machining
- + Large clamping range**
High level of flexibility
- + Lateral drainage slots**
For drainage of coolant and chips
- + Optimum jaw support for O.D. and I.D. clamping due to a very long base jaw guidance**
Allows high clamping forces at a long service life
- + Jaw change with just two screws**
For quick and easy jaw change
- + Integrated NSE3, GFD and GFD mini interface**
Minimization of set-up times. Can be flexibly combined with the large modular quick-change pallet system

Function KSC3-K

SCHUNK KONTEC KSC3-K single-acting clamping vises are manual direct clamping vises. The drive takes place via a spindle. The force builds up directly without a force amplifier and is linear. The movable jaw is moved by turning the spindle in direction of the fixed jaw. The clamping force depends on the torque. The clamping range depends on the used jaw range.



- 1 Encapsulated system**
Offers optimal protection against coolant and chips
- 2 Recessed hexagonal connection**
Reduces the interfering contour
- 3 Spindle drive**
For the highest of clamping forces
- 4 Long slide**
Offers optimal support for O.D.- and I.D. clamping
- 5 Drainage slots**
For coolant and chips
- 6 Mounting thread**
For workpiece stops
- 7 System jaws and top jaws**
World's largest selection
- 8 Low height design**
Expands your machine's workspace



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

- ① 6-way reversal grip jaw (ID 0430803), 6-way reversal carbide grip jaw (ID 1395550)

Technical data

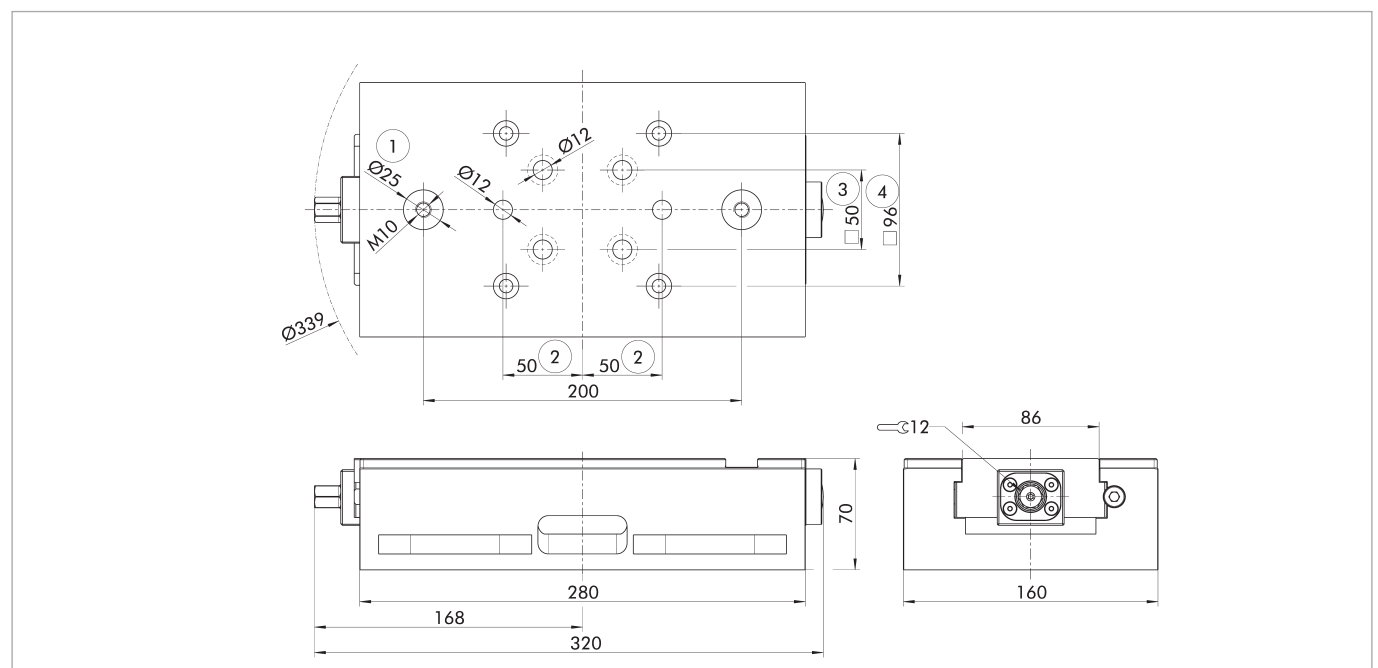
Description	ID	Width of the clamping vise [mm]	Max. clamping force [kN]	Max. torque [Nm]	Weight [kg]
KSC3-K 160-280	1514292	160	50	175	21

Scope of delivery

Vise, operating manual; without system jaws

Suitable system jaws

Description	Pos.	Description	ID	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]
Reversible grip jaw	10	SGWB-G3-B 160-81-50	0432614	160	81	50	3.4
Reversible grip jaw	15	SGWB-G3-F 160-81-50	0432624	160	81	50	3.2
Swivel plate	30	SGP-3 256-170-22	0432615	256	170	22	7.4
Adapter plate	40	SGA-4 256-125-22	0432621	256	125	22	5.4



- ① Prepared for NSE3 and GFD clamping pins
- ② Prepared for alignment pins Ø 12m6

- ③ Prepared for M12 screws
- ④ Prepared for GFD-SP mini clamping pin Ø20 h6

System jaws

Reversible grip jaw

Design as movable jaw.
With grip step 3 mm (up to 22 HRC) and a smooth clamping surface on both sides.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGWB-G3-B 160-81-50	W-160	0432614

Reversible grip jaw

Design as fixed jaw.
With grip step 3 mm (up to 22 HRC) and a smooth clamping surface on both sides.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGWB-G3-F 160-81-50	W-160	0432624

Reversible carbide-grip jaw

Design as movable jaw.
With carbide-grip step 3 mm (up to 58 HRC) and smooth clamping face on both sides.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGWB-CG3-B 160-81-50		1395527

Reversible carbide-grip jaw

Design as fixed jaw.
With carbide-grip step 3 mm (up to 58 HRC) and smooth clamping face on both sides.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGWB-CG3-F 160-81-50		1590611

Aluminum jaw

Design as movable jaw.
Used for rework at the customer site e.g. for incorporating contours or special shapes.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGAL-B 160-85-50		0432623

Aluminum jaw

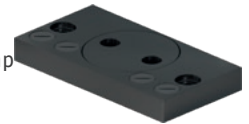
Design as fixed jaw.
Used for rework at the customer site e.g. for incorporating contours or special shapes.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGAL-F 160-85-50		0432625

Swivel plate

Used – in combination with adapter plates and 6-way reversal jaws – to clamp bulky workpieces.



Suitable for	Description	Interface	ID
KSC3-K 160-280	SGP-3 256-170-22	W-38	0432615

Adapter plate

Used – in combination with swivel plates and 6-way reversal jaws – to clamp bulky workpieces.

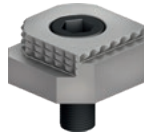


Suitable for	Description	Interface	ID
KSC3-K 160-280	SGA-4 256-125-22	W-38	0432621

Top jaws

6-way reversible jaws grip

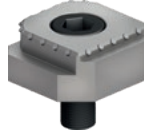
With five grip steps as well as a coated clamping face.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBG-6W 38-38-18	38.5	18	38.2	W-38	0430803

6-way reversible jaw carbide grip

With five carbide grip steps as well as a smooth clamping face.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBCG-6W 38-38-18	38.5	18	38.2	W-38	1395550

Jaw profiled

For increasing the friction between jaw and workpiece without clamping impressions.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBD 160-50-13.5	160	50	13.5	W-160	1373350

Serrated jaw

For increasing the friction between jaw and workpiece with minimal clamping impressions.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBC 160-50-14.4	160	50	14.4	W-160	1373269

Ground jaw

With a completely ground clamping face.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBP 160-50-13.5	160	50	13.5	W-160	1373281

Soft jaw

Hardenable jaws for rework at the customer site, e.g. for incorporating contours or special shapes.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBW 160-50-20	160	50	20	W-160	1373289

Stepped jaw

With ground step, 8 mm.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS 160-50-13.5-8	160	50	13.5	W-160	1373328

Stepped jaw

With coated step, 5 mm.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-W 160-50-13.5-5	160	50	13.5	W-160	1395511

Stepped jaw

With grip step, 3 mm.
For embossed clamping of unhardened materials up to 22 HRC.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-G3 160-50-13.5	160	50	13.5	W-160	1373332

Stepped jaw

With grip step, 5 mm.
For embossed clamping of unhardened materials up to 22 HRC.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-G5 160-50-13.5	160	50	13.5	W-160	1373335

Stepped jaw

With grip step, 8 mm.
For embossed clamping of unhardened materials up to 22 HRC.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-G8 160-50-13.5	160	50	13.5	W-160	1373340

Stepped jaw

With carbide grip step, 3 mm.
For embossed clamping of hardened materials up to 58 HRC.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-CG3 160-50-13.5	160	50	13.5	W-160	1431232

Stepped jaw

With carbide grip step, 5 mm.
For embossed clamping of hardened materials up to 58 HRC.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-CG5 160-50-15.5	160	50	15.5	W-160	1431233

Stepped jaw with T-slot

With grip step, 5 mm.
T-slot for mounting the positioning strip.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-G5-T 160-50-20	160	50	20	W-160	0430250

Stepped jaw with T-slot

With grip step, 8 mm.
T-slot for mounting the positioning strip.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-G8-T 160-50-20	160	50	20	W-160	0430249

Positioning bar

To suit all stepped jaws with T-slot.



Description	Width mm	Height mm	Depth mm	Interface	ID
GPL 160-32-13.5	160	32	13.5	W-160	0430251

Grip jaw

For embossed clamping of unhardened materials up to 22 HRC.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBG 160-50-13.5	160	50	13.5	W-160	1373285

Prism jaw, ground

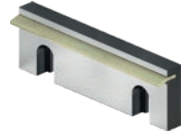
For precise clamping of round workpieces.
100 = Ø11 – Ø41 mm.
125 = Ø14 – Ø48 mm.
160 = Ø16 – Ø60 mm.



Description	Width mm	Height mm	Depth mm	Interface	ID
GVA 160-50-19.5	160	50	19.5	W-160	1373345

Spring leaf pull-down jaw

For an active jaw pull-down function with a light clamping impression on the workpiece for more precise machining results.



Description	Width mm	Height mm	Depth mm	Interface	ID
GFA 160-50-13.5	160	50	13.5	W-160	1373306

Spring plate pull-down jaw

For an active jaw pull-down function without clamping impressions on the workpiece for more precise machining results.



Description	Width mm	Height mm	Depth mm	Interface	ID
GFB 160-45-12	160	45	12	W-160	0432629

Precision pull-down jaw

For an active jaw pull-down function without clamping impressions on the workpiece for more precise machining results.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBN-P 160-50-27.5	160	50	27.5	W-160	0430148

Accessories

Clamping force tester

For measuring the jaw clamping force of stationary clamping devices.



Suitable for	Description	ID
KSC3-K 160-280	IFT SST Set	1475766

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
KSC3-K 160-280	GFD-SP mini Ø20-h6	1602023

Standard clamping pins

Clamping pin for positive connection with NSE3 clamping modules.
With shortened fastening screw.



Suitable for	Description	ID
KSC3-K 160-280	SPA 40-K	0432369
KSC3-K 160-280	SPB 40-K	0432370

Clamping pin GFD-SP

Clamping pin for positive connection with GFD set-up stations.



Suitable for	Description	ID
KSC3-K 160-280	GFD-SP 40	0433600

Torque wrench 20 – 200 Nm

Serves for applying a defined torque.
With 1/2" square drive



Suitable for	Description	ID
KSC3-K 160-280	GSH-D 20-200	0432487

Actuating lever, articulated

For convenient clamping range presetting
With 1/2" square drive



Suitable for	Description	ID
KSC3-K 160-280	GSH-G 1/2"	0432478

Hexagonal insert SW 14

Suitable for square drive 1/2".



Suitable for	Description	ID
KSC3-K 160-280	GSK-I SW14-1/2"	0432619

Sealing plug

For thread in the base body.



Suitable for	Description	ID
KSC3-K 160-280	GVSS M10x12	1323002

Workpiece stop

Workpiece stop with minimum space requirements and continuously adjustable stop slide.
Including stop slider 40 and 80 mm.



Suitable for	Description	ID
KSC3-K 160-280	GWSA M8-23	1645258

Magnetic workpiece stop, small

For quick and easy attachment to system jaws or vises.



Suitable for	Description	ID
KSC3-K 160-280	GWSA-M 60 x 15	1391293

Magnetic workpiece stop, large

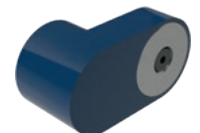
For quick and easy attachment to system jaws or vises.



Suitable for	Description	ID
KSC3-K 160-280	GWSA-M 115 x 15	1391331

Extensions

As an accessory for the magnetic workpiece stops.



Suitable for	Description	ID
KSC3-K 160-280	GWSA-V Ø68 x 30	1394477

Clamping screws for clamping claws

Used in combination with clamping claws for fastening clamping devices.



Suitable for	Description	T-slot	ID
KSC3-K 160-280	GSC-S M10-T12	12 mm/M10	0432043
KSC3-K 160-280	GSC-S M12-T14	14 mm/M12	0432044
KSC3-K 160-280	GSC-S M14-T16	16 mm/M14	0432045
KSC3-K 160-280	GSC-S M16-T18	18 mm/M16	0432046
KSC3-K 160-280	GSC-S M16-T20	20 mm/M16	1550423
KSC3-K 160-280	GSC-S M16-T22	22 mm/M16	1550424

Clamping screws for base body

Used for directly attaching clamping devices via the base body.



Suitable for	Description	T-slot	ID
KSC3-K 160-280	GSC-G-1 M10-T12	12 mm/M10	0430422
KSC3-K 160-280	GSC-G-1 M12-T14	14 mm/M12	0430423
KSC3-K 160-280	GSC-G-1 M12-T16	16 mm/M12	0430424
KSC3-K 160-280	GSC-G-1 M12-T18	18 mm/M12	0430425

Fitting screws

For precise position orientation and mounting of manual clamping vises on the machine table.



Suitable for	Description	ID
KSC3-K 160-280	GPSC-2 Ø12f7-M12	0490546

Alignment and centering set

For quick and easy alignment and fastening on T-slot tables.



Suitable for	Description	T-slot	ID
KSC3-K 160-280	GAZ-3 T12	12 mm	0430418
KSC3-K 160-280	GAZ-3 T14	14 mm	0430419
KSC3-K 160-280	GAZ-3 T16	16 mm	0430420
KSC3-K 160-280	GAZ-3 T18	18 mm	0430421

Cylinder pin set

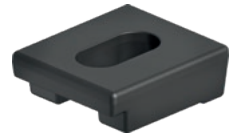
For easier assembly of the clamping device on the machine table.



Suitable for	Description	ID
KSC3-K 160-280	GZS Ø12m6	1373755

Clamping claws

For quick and easy mounting of SCHUNK clamping devices.



Suitable for	Description	ID
KSC3-K 160-280	GSPR-A 50-57	0490604

Cover screw

Used to cover unused clamping insert mounting holes on pendulum and adapter plates.



Suitable for	Description	ID
KSC3-K 160-280	GCS Ø22-M12	1307880

Workpiece Supports Set

Set of workpiece supports – width 160 mm

Suitable for system jaws H = 50 mm. Heights = 15, 30, 40, 45, and 47 mm.



Suitable for	Description	ID
KSC3-K 160-280	GWU-S 160-50	1394231

Workpiece supports

Workpiece supports – width 160 mm

In different heights.

1 Set = 2 pieces



Suitable for	Description	Height mm	ID
KSC3-K 160-280	GWU-M 160-15	15	1464957
KSC3-K 160-280	GWU-M 160-22	22	1461402
KSC3-K 160-280	GWU-M 160-30	30	1538303
KSC3-K 160-280	GWU-M 160-37	37	1443672
KSC3-K 160-280	GWU-M 160-40	40	1504993
KSC3-K 160-280	GWU-M 160-41	41	1597020
KSC3-K 160-280	GWU-M 160-42	42	1410170
KSC3-K 160-280	GWU-M 160-43	43	1534944
KSC3-K 160-280	GWU-M 160-44	44	1484499
KSC3-K 160-280	GWU-M 160-45	45	1410169
KSC3-K 160-280	GWU-M 160-46	46	1497132
KSC3-K 160-280	GWU-M 160-47	47	1410166



**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