



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.

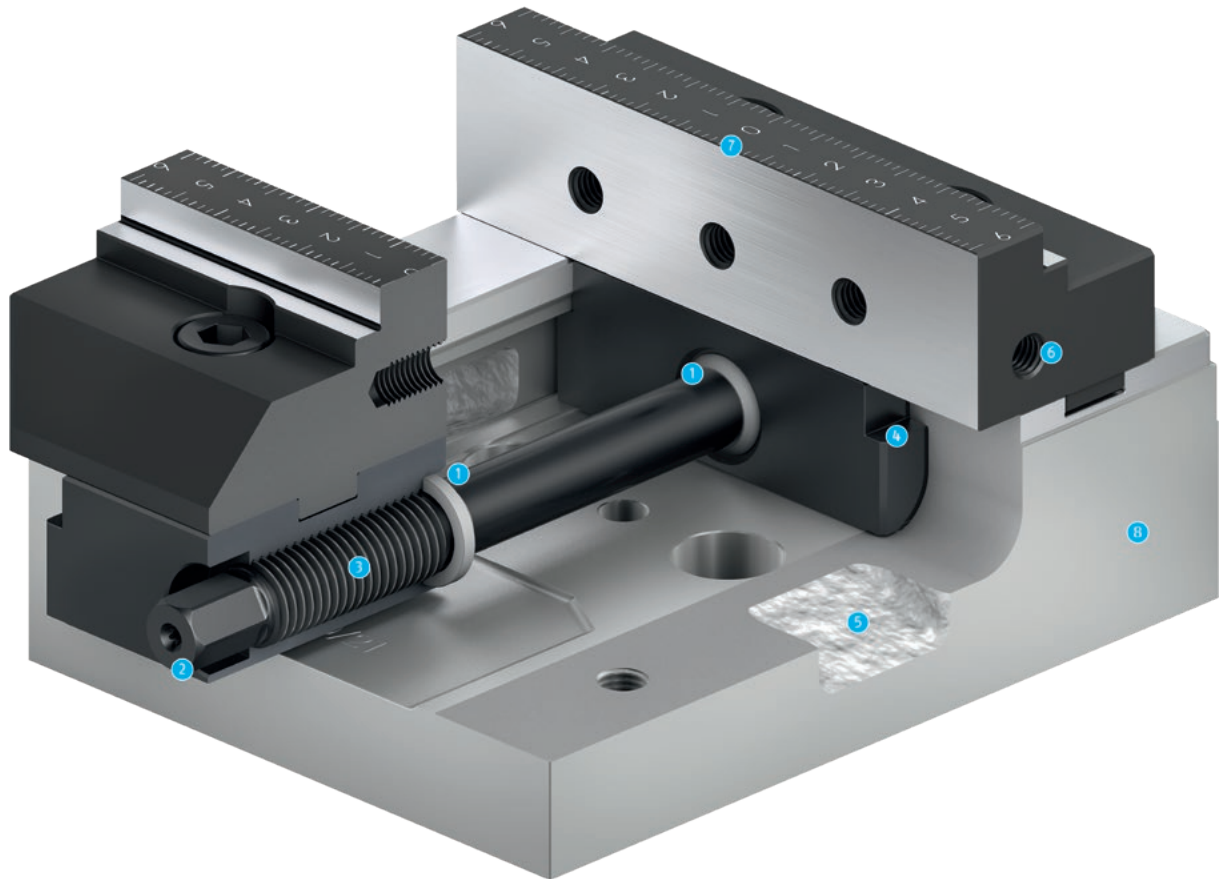


Advantages – Your benefits

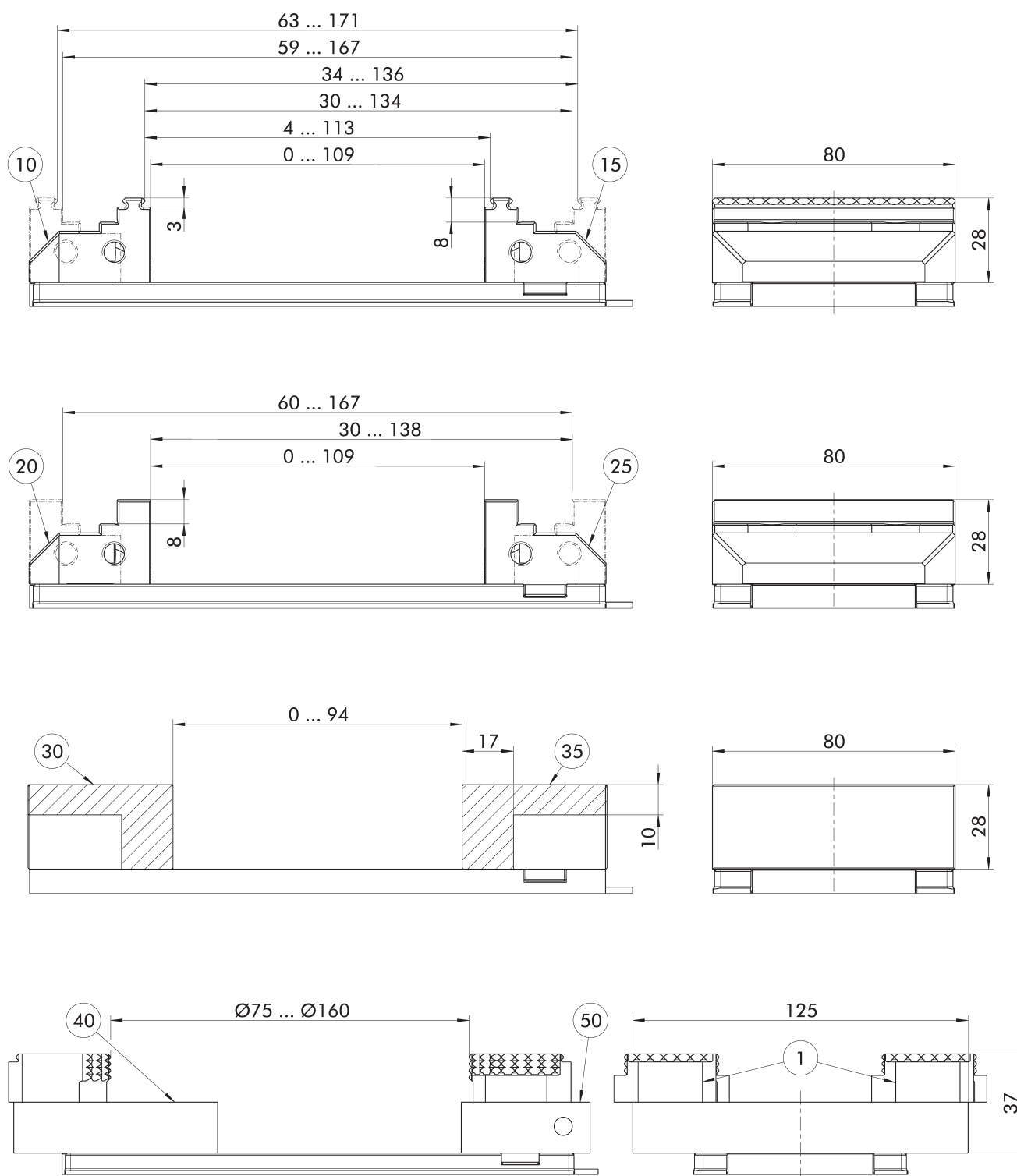
- + Nickel-plated base body**
For optimal corrosion protection and an even wider range of applications
- + Extremely flat design**
For maximum utilization of the machine room
- + High clamping forces**
Ensure process reliability during machining
- + Large clamping range**
High level of flexibility
- + 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	Vise included	Width of the clamping vise [mm]	Max. clamping force [kN]	Max. torque [Nm]	Weight [kg]
KSC3-K 80-190	1514288		80	25	90	4.5
KSC3-K precise 80-190	1577205	Reversible smooth jaw	80	25	90	5.6

Scope of delivery

Vise, operating manual; without system jaws

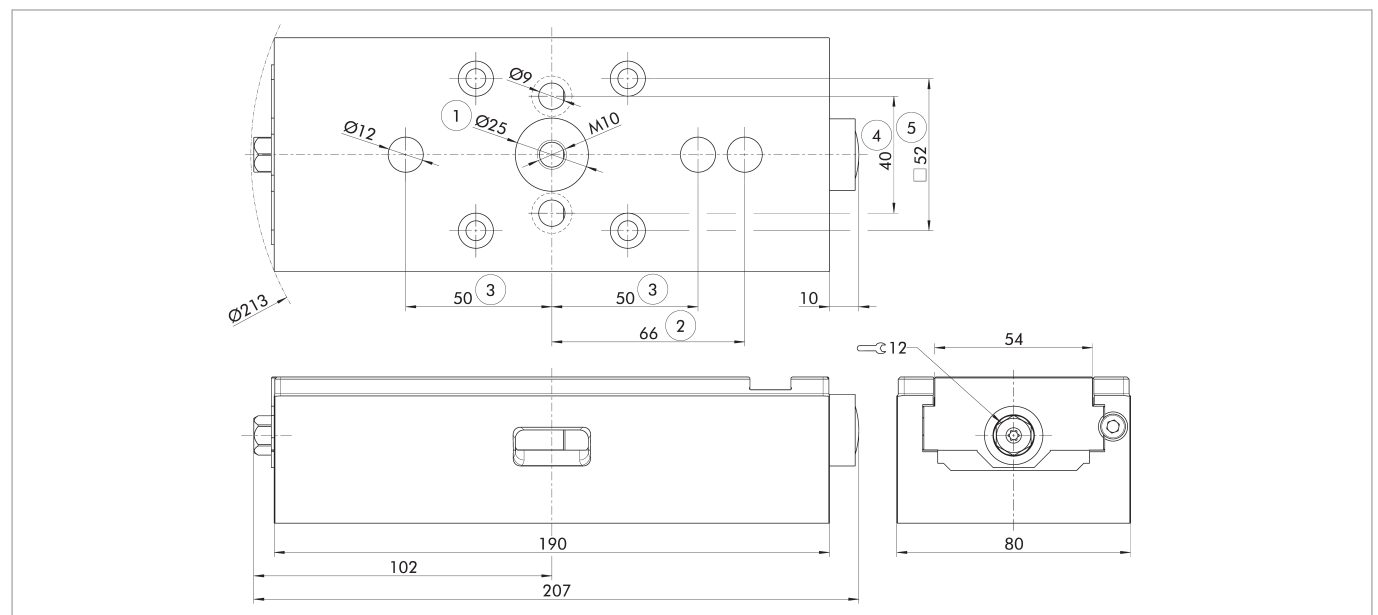
Note

System jaws

Depending on the version, the clamping device must be assembled separately with the system jaws or is already equipped with them (precise version).

Suitable system jaws

Description	Pos.	Description	ID	Width [mm]	Depth [mm]	Height [mm]	Weight [kg]
Reversible grip jaw	10	SGWB-G3-B 80-40.3-28	0432715	80	40.3	28	0.5
Reversible grip jaw	15	SGWB-G3-F 80-40.3-28	0432732	80	40.3	28	0.5
Reversible smooth jaw	20	SGWB-S8-B 80-40-28	1518693	80	40	28	0.5
Reversible smooth jaw	25	SGWB-S8-F 80-40-28	1518694	80	40	28	0.5
Aluminum jaw	30	SGAL-B 80-48-28	0432718	80	48	28	0.4
Aluminum jaw	35	SGAL-F 80-48-28	0432733	80	48	28	0.4
Swivel plate	40	SGP-3 125-76-19	0432720	125	76	19	1.3
Adapter plate	50	SGA-4 125-48-19	0432735	125	48	19	0.8



- ① Prepared for NSE3 and GFD clamping pins
 - ② Prepared for indexing pin IXB V1-K
 - ③ Prepared for GFD-IXB indexing pin or alignment pins $\varnothing 12\text{m6}$
 - ④ Prepared for M8 screws
 - ⑤ Prepared for GFD-SP mini clamping pin $\varnothing 16\text{ h6}$

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 80-190	SGWB-G3-B 80-40.3-28	W-80-1	0432715

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 80-190	SGWB-G3-F 80-40.3-28	W-80-1	0432732

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 80-190	SGWB-G3-B 80-40-28		1514368

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 80-190	SGWB-G3-F 80-40-28		1467016

Reversible grip jaw

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



Suitable for	Description	Interface	ID
KSC3-K 80-190	SGWB-G3-B 40-40.3-28		1514379

Reversible grip jaw

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



Suitable for	Description	Interface	ID
KSC3-K 80-190	SGWB-G3-F 40-40.5-28		1587365

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 80-190	SGAL-B 80-48-28		0432718

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 80-190	SGAL-F 80-48-28		0432733

Steel 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 80-190	SGS-B 80-48-28		1367467

Steel jaw

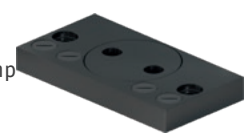
Design as fixed jaw.
Used for rework at the customer site e.g. for incorporating contours or special shapes.



Suitable for	Description	Interface	ID
KSC3-K 80-190	SGS-F 80-48-28		1561216

Swivel plate

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



Suitable for	Description	Interface	ID
KSC3-K 80-190	SGP-3 125-76-19	W-38	0432720

Adapter plate

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



Suitable for	Description	Interface	ID
KSC3-K 80-190	SGA-4 125-48-19	W-38	0432735

Reversible smooth jaw

Design as movable jaw.
Ground steps, for precise OP20 machining.



Suitable for	Description	Interface	ID
KSC3-K 80-190	SGWB-S8-B 80-40-28		1518693

Reversible smooth jaw

Design as fixed jaw.
Ground steps, for precise OP20 machining.

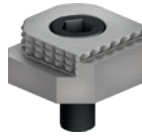


Suitable for	Description	Interface	ID
KSC3-K 80-190	SGWB-S8-F 80-40-28		1518694

Top jaws

6-way reversible jaws grip

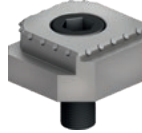
With five grip steps as well as a coated clamping face.



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

Stepped jaw

With coated step, 5 mm.



Description	Width mm	Height mm	Depth mm	Interface	ID
GBS-W 80-28-10-5	80	28	10	W-80-1	1395509

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 80-28-10	80	28	10	W-80-1	1326805

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 80-24-9	80	24.3	9	W-80-1	0432736

Universal stepped jaw

Versatile stepped jaw with ground step.



Description	Width mm	Height mm	Depth mm	Interface	ID
GPE 80-28-10-5	80	28	10	W-80-1	0432721

Accessories

Clamping force tester

For measuring the jaw clamping force of stationary clamping devices.



Suitable for	Description	ID
KSC3-K 80-190	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 80-190	GFD-SP mini Ø16 h6	1561291

Standard clamping pins

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



Suitable for	Description	ID
KSC3-K 80-190	SPA 40-K	0432369

Indexing pin

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



Suitable for	Description	ID
KSC3-K 80-190	IXB V1-K	0432371

Clamping pin GFD-SP

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



Suitable for	Description	ID
KSC3-K 80-190	GFD-SP 40	0433600

Indexing pin GFD

Indexing pins for position orientation of clamping pallets and clamping devices on GFD set-up stations.



Suitable for	Description	ID
KSC3-K 80-190	GFD-IXB	1367937

Torque wrench 10 - 100 Nm

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



Suitable for	Description	ID
KSC3-K 80-190	GSH-D 10-100	0432477

Actuating lever, articulated

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



Suitable for	Description	ID
KSC3-K 80-190	GSH-G 1/2"	0432478

Hexagonal insert SW 12

Suitable for square drive 1/2".



Suitable for	Description	ID
KSC3-K 80-190	GSK-I SW12-1/2"	0432479

Sealing plug

For thread in the base body.



Suitable for	Description	ID
KSC3-K 80-190	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 80-190	GWSA M8-23	1645258

Magnetic workpiece stop, small

For quick and easy attachment to system jaws or vises.



Suitable for	Description	ID
KSC3-K 80-190	GWSA-M 60 x 15	1391293

Magnetic workpiece stop, large

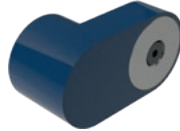
For quick and easy attachment to system jaws or vises.



Suitable for	Description	ID
KSC3-K 80-190	GWSA-M 115 x 15	1391331

Extensions

As an accessory for the magnetic workpiece stops.



Suitable for	Description	ID
KSC3-K 80-190	GWSA-V Ø68 x 30	1394477

Clamping screws for base body

Used for directly attaching clamping devices via the base body.



Suitable for	Description	T-slot	ID
KSC3-K 80-190	GSC-G-1 M10-T12	12 mm/M10	0430422
KSC3-K 80-190	GSC-G-1 M12-T14	14 mm/M12	0430423
KSC3-K 80-190	GSC-G-1 M12-T16	16 mm/M12	0430424
KSC3-K 80-190	GSC-G-1 M12-T18	18 mm/M12	0430425

Cylinder pin set

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



Suitable for	Description	ID
KSC3-K 80-190	GZS Ø12m6	1373755

Cover screw

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



Suitable for	Description	ID
KSC3-K 80-190	GCS Ø22-M12	1307880

Workpiece Supports Set

Set of workpiece supports – width 80 mm

Suitable for system jaws H = 28 mm with grip level 3 mm.
Heights = 5, 10, 15, 20, and 22 mm.



Suitable for	Description	ID
KSC3-K 80-190	GWU-S grip 80-28	1394225

Workpiece supports

Workpiece supports – width 80 mm

In different heights.
1 Set = 2 pieces



Suitable for	Description	Height mm	ID
KSC3-K 80-190	GWU-M 80-5	5	1465960
KSC3-K 80-190	GWU-M 80-10	10	1465956
KSC3-K 80-190	GWU-M 80-15	15	1460327
KSC3-K 80-190	GWU-M 80-20	20	1411113
KSC3-K 80-190	GWU-M 80-22	22	1411114



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