

KONTEC KSM2

Multiple clamping system with jaw quick-change system

Superior Clamping and Gripping



Product Overview



Gripping Systems

Clamping Technology



Chuck Jaws



Lathe Chucks



Stationary Workholding



Toolholders



Hydraulic Expansion Technology



VERO-S



TANDEM



ROTA



KONTEC

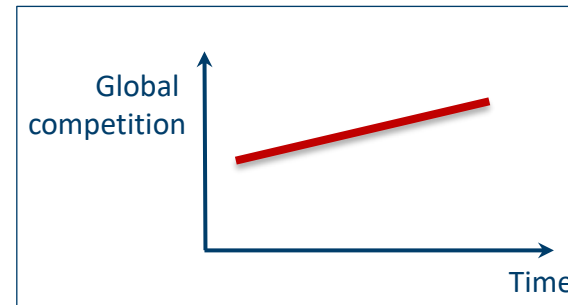
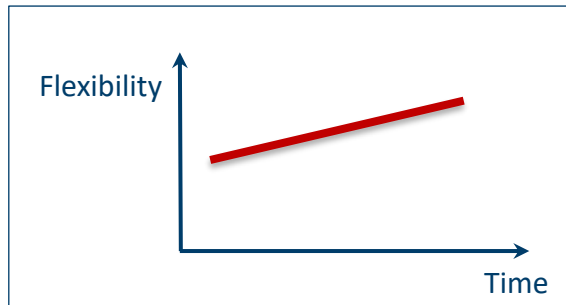
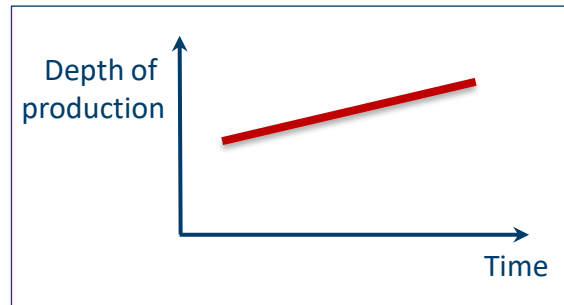


Tombstones



MAGNOS

Challenges

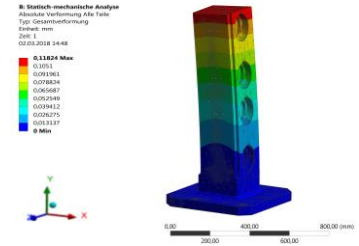


**Increasing importance
of workpiece clamping**

SCHUNK Services

Engineering

- Dimensioning of special plates designed to the manufacturing specifications
- Development of special solutions together with the customer
- FEM analysis for critical components



Testing

- Endurance tests with all new developments
- Abrasion checking
- Measurement of accuracy






Service

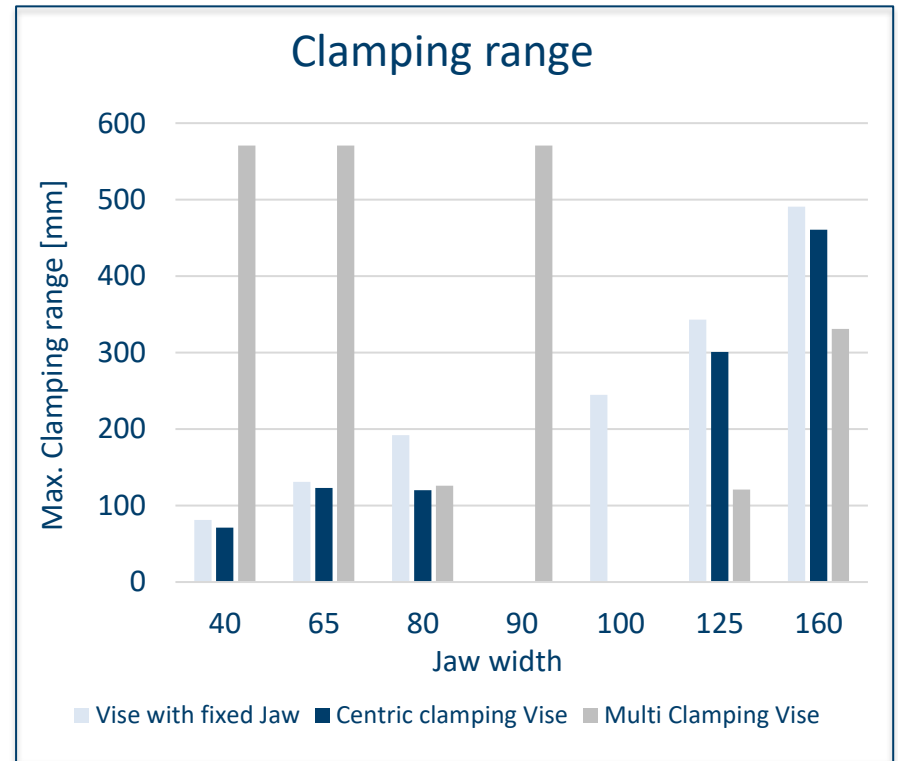
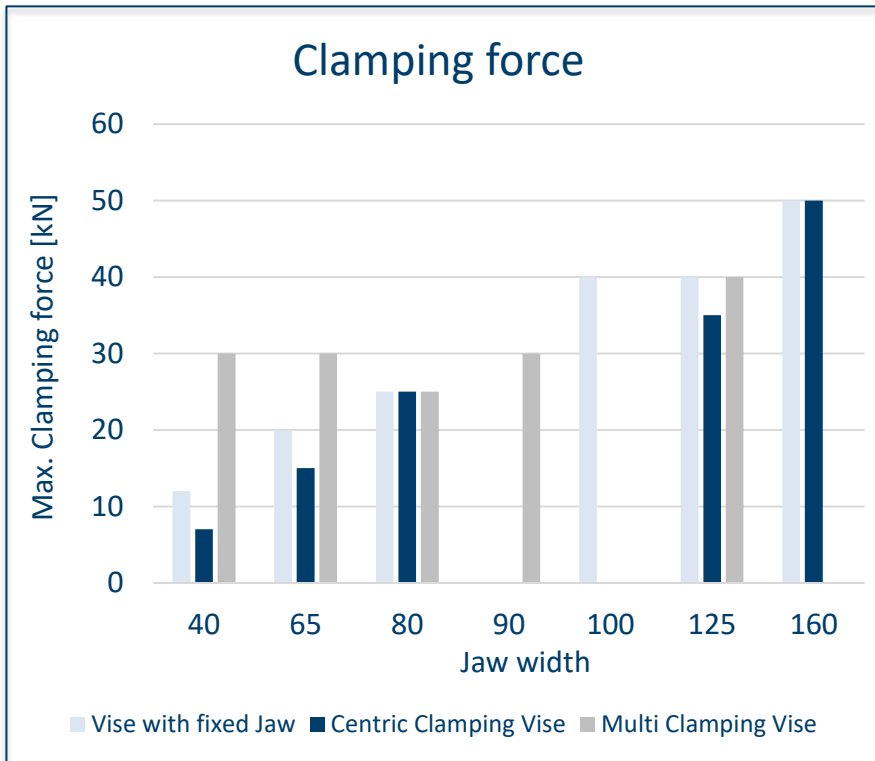
- Initial operation of customer's solution
- Inspection and maintenance
- Repairs



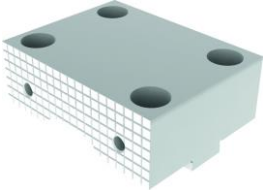


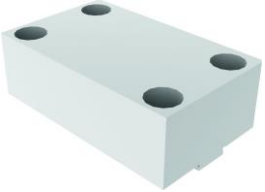



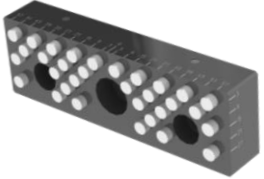
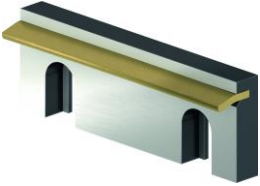


KONTEC Portfolio

Single-acting Vise	Centric Clamping Vise	Multi Clamping Vise
		
<ul style="list-style-type: none"> • Clamping towards a fixed jaw • Fixed jaw as reference • High repeat accuracy • Especially suitable for workpieces with dimensioning from the side 	<ul style="list-style-type: none"> • Symmetric clamping • Workpiece zero point is always in the center • Optimum accessibility for 5-axis milling • Especially suitable for workpieces with dimensioning from the center 	<ul style="list-style-type: none"> • Clamping of multiple workpieces • Multifunctional usage • Reduction of setup times • Optimum usage of the machine table

KONTEC Portfolio



Fast adaption to new clamping tasks

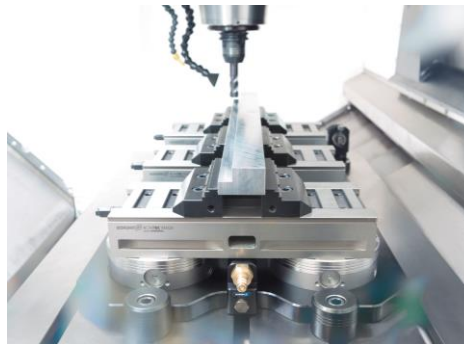
System Jaws			
Standard reversible jaw	Reversible jaw, grip -grip	Enlarged span width -VS	Aluminium jaw -AL
			
Adapter- and swivel plates -R	5-axis standard jaw -5A / -5A-VS	6-fold jaw -6B	Reversible jaw grip, smooth central jaw -ST
			
Chuck Jaws			
Chuck jaw with locator pin	Spring plate, pull-down jaw	Prismatic jaw	Stepped jaw, grip
			

KONTEC Overview

Single-acting Vise



Centric Clamping Vise

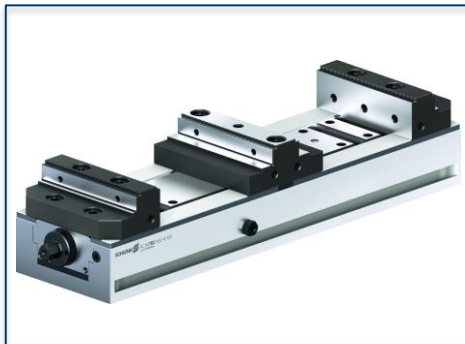


Multi Clamping Vise

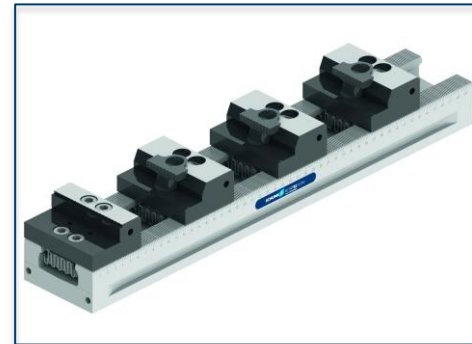


KONTEC Multi Clamping Vise

KSC-D
Basic Clamping Vise



KSM2
Clamping rail with jaw
quick-change

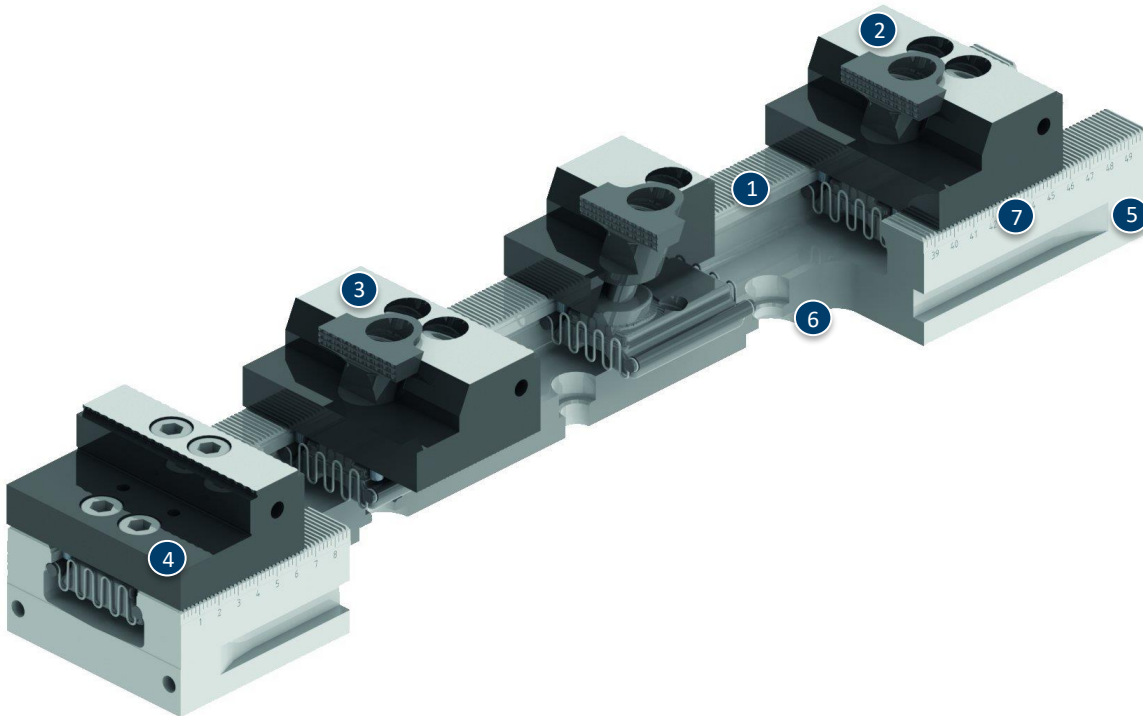


KONTEC KSM2

Example of application



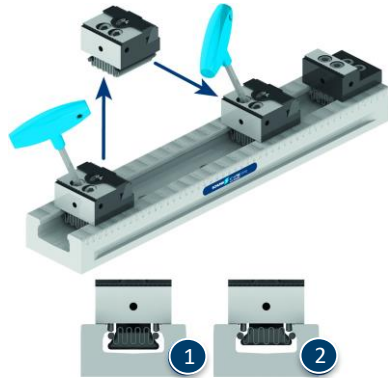
KONTEC KSM2



- 1 Hardened and ground serration
- 2 Vast chuck jaw program
- 3 Jaw positioning form above
- 4 Fixed jaw can be turned 180°
- 5 Extremely rigid clamping rail
- 6 VERO-S interface
- 7 Laser-etched ruler

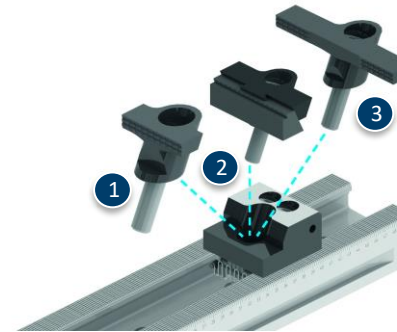
KONTEC KSM2

Jaw quick-change of the supporting jaws



- 1 Release position
- 2 Clamping position

Jaw quick-change of the chuck jaws



- 1 Pull-down jaw grip
- 2 Parallel jaw
- 3 Pendulum jaw grip with pull-down function

Connection of the clamping rails



Positioning the clamping rail via VERO-S quick-change pallet system



KONTEC KSM2

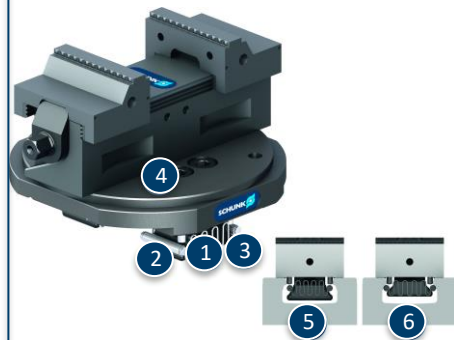
Positioning the clamping rail via grid holes



Positioning the clamping rail via grid holes

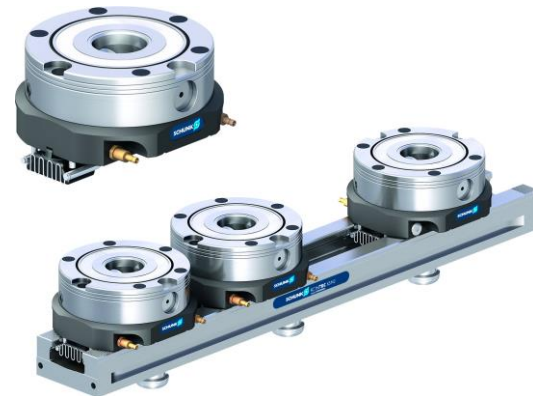


Adapter plates for KSM2 rails



- 1 Clamps
- 2 Locking roller for mounting the clamping device on the KSM2
- 3 Return spring for loosening the clamping mechanism
- 4 Freely accessible clamping screws
- 5 Released position
- 6 Clamped position

KSM2 with APK VERO-S NSE plus 138-V1



KONTEC KSM2

KSM2 with APK KONTEC KSC2



KSM2 with APK ROTA-S plus 2.0 160



Variants of KONTEC KSM2

Technical data	KSM2 90-260	KSM2 90-400	KSM2 90-500	KSM2 90-600	KSM2 90-650
Rail width [mm]	90	90	90	90	90
Clamping force [kN]	30	30	30	30	30
Max. torque [Nm]	50	50	50	50	50
Weight [kg]	5	7.7	9.6	11.5	12.5

Superior Clamping and Gripping



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