













Mandrels and collet chucks

Orientation guide



TYPE	KFS/MFS	KFR/MFR	KFB	MZB	MZE	ABSIS	AGILIS	KFR-SE
	Cartridge mandrel					Segment clamping mandrel		
Feature	Stable clamping, suitable for long workpieces or long clamping lengths	Suitable for short clamping lengths without a defined axial component	Stable system with high torque transmission for working with small Ø, for short clamping lengths	Stable system with high torque transmission for working with small Ø, for short clamping lengths	Cost-effective system for measuring tasks, high accuracy	High degree of hardness of the clamping sleeve, thereby wear resistant, long service life of the clamping sleeve	Stable system with high torque transmission for working with small Ø, for short clamping lengths, high degree of hardness of the clamping sleeve	Suitable for short clamping lengths with or without a defined axial component
Application	Turning, grinding, milling, gear cutting, balancing, measuring	Turning, grinding, gear cutting, balancing, measuring	Turning, grinding, milling, gear cutting, balancing, measuring	Turning, grinding, measuring	Measuring, grinding	Turning, grinding, milling, gear cutting, balancing, measuring		Turning, grinding, milling, gear cutting, balancing, measuring
Clamping	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Actuation	 	 						
Clamping surface	Smooth (optionally coated, serrated, toothed, for shape clamping)				Smooth	Smooth (optionally coated, serrated, toothed, for shape clamping)		
Axial component	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clamping range mm	15 - 140	14,5 - 131	5,5 - 29	5,5 - 78,7	8 - 230	20 - 106	10 - 130	14,5 - 131
Workpiece stop possible	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Preparation for air sensing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Take-up	Cylindrical take-up mount combined with intermediate flange ISO 702-1 (DIN 55028)			Between points or cylindrical take-ups, driving at the shaft possible		Cylindrical take-up mount combined with intermediate flange ISO 702-1 (DIN 55028)		
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Orientation guide



yes



optional



hand operated



power operated



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TYPE	CAPTIS-D	CAPTIS-A	CAPTIS-AF	CAPTIS-M	ABSIS-C	KZF	KZF-S
	Collet chucks						
Feature	Full through-hole, with centering edge, draw-down	Restricted through-hole, optional fixed workpiece stop, draw-down	Restricted through-hole, fixed workpiece stop, stationary collet: without draw-down	For rotating and stationary use, manually operated, with axial tension against workpiece stop	Stable system, for take-up into CAPTIS clamping system, with draw-down	Bayonet quick lock with protection against torsion	Bayonet quick lock, draw-down, actuation by clamping mandrel
Application	Turning, grinding, milling, gear cutting, balancing, measuring	Turning, grinding, milling, gear cutting, balancing, measuring	Turning, grinding, milling, gear cutting, balancing, measuring	Stationary turning, grinding, milling, drilling, measuring	Turning, grinding, milling, gear cutting, balancing, measuring	Turning, grinding, milling, measuring	Turning, grinding, milling, gear cutting
Clamping	External	External	External	External	Internal	External	External
Actuation							
Clamping surface	Longitudinal and cross grooves, cross grooves, smooth, shaped hexagon, square, special contour				Smooth (optionally coated, serrated, toothed, for shape clamping)	Smooth, hexagon, square	Optionally smooth, toothed, coated, serrated
Axial component	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Clamping range mm	4 - 120	4 - 120	4 - 120	4 - 80	20 - 106	2 - 80	30 - 180
Workpiece stop possible		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Preparation for air sensing							<input checked="" type="checkbox"/>
Take-up	Cylindrical take-up				Take-up in CAPTIS clamp system	Cylindrical centering pick-up, short taper mount	Cylindrical take-up
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We have already implemented special solutions in all clamping system areas, some of which differ significantly from the values indicated above (for example, clamping surfaces, clamping diameter or precision). Besides these standard clamping systems, we offer a number of special systems, such as HYKS, KFG, centering and face clamping systems or combination clamps. Even unusual special solutions are a part of our focus.