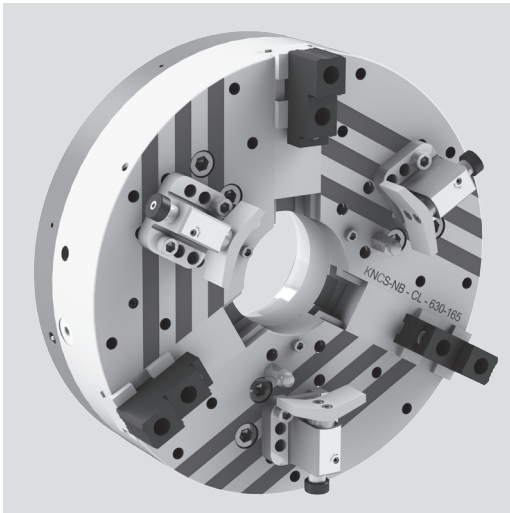


KNCS-NB-CL

CENTER LINE

High precision power chucks

- QUICK JAW CHANGE
- large through hole
- wide master jaws - Radial fine adjustment
- high flexibility: jaws radially adjustable / reversible



Application/customer benefits

- For workpieces with high concentricity callout
- For radial readjustment of workpieces with big changes in weight during machining
- To apply additional grip force to the workpiece by the adjustment screws

Technical features

- Intergrated fine adjustment to center the workpiece
- Fine adjustment is radially displaceable for different workpiece diameters

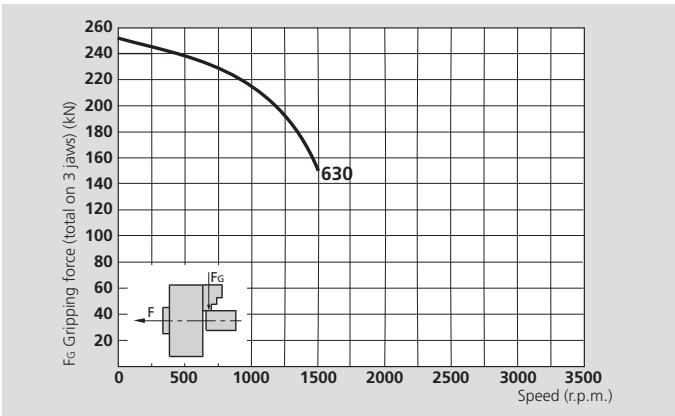
Standard equipment

- 3 jaw chuck with disengaging key
- Mounting key
- Set of coverplates
- Fine adjustment

Ordering example

3 jaw chuck KNCS-NB-CL 630

Actual gripping force diagrams

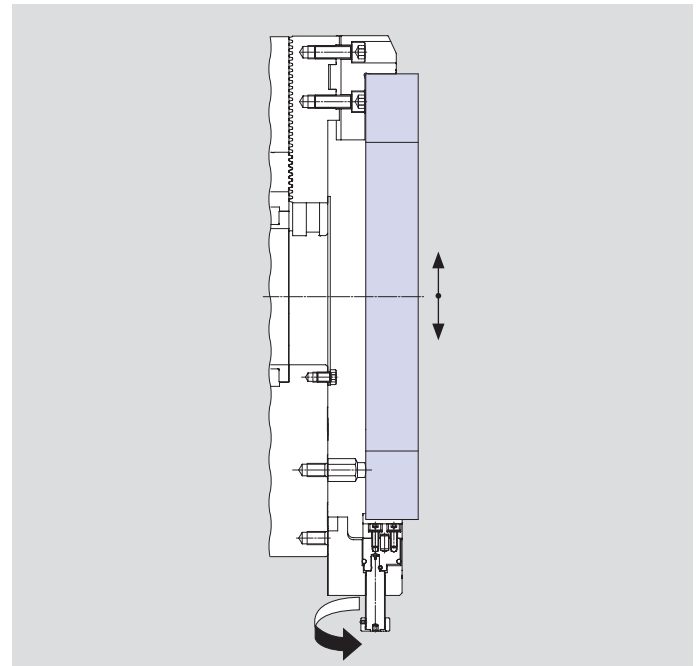


The data in the diagrams refer to 3-jaw-chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K05 grease. The static and dynamic gripping forces have been measured using standard soft top jaws, placed in a position not exceeding the outer diameter of the chuck.

⚠ Safety advice/danger of damage:

When using taller/heavier jaws and/or clamping on a bigger diameter reduce draw pull/rotating speed accordingly.

Radial fine adjustment CL



Technical data

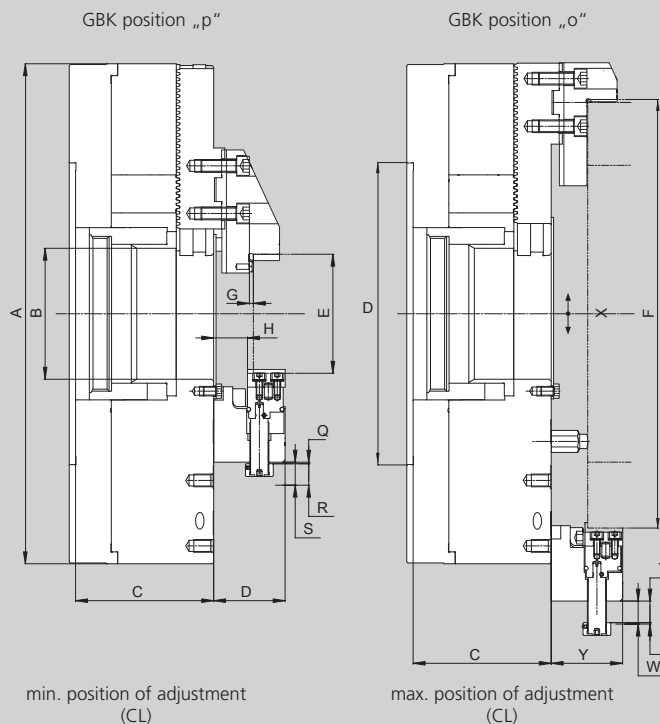
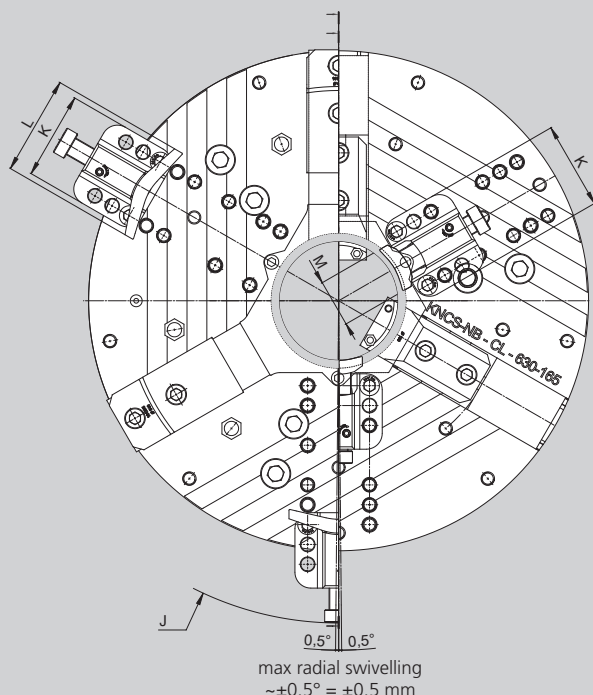
SMW-AUTOBLOK Type		KNCS-NB CL 630
Id. No.		161250
Number of jaws		3
Radial jaw stroke	mm	10
Axial piston stroke	mm	42
Max. draw-pull	kN	120
Max. gripping force	kN	250
Max. speed	r.p.m.	1500
Weight (without top jaws)	kg	390
Moment of inertia	kg·m ²	18
Recommended closed center cylinder		SIN-S 175/200
Recommended open center cylinder		VSG 450-165

High precision power chucks

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KNCS-NB CL

CENTER LINE



Subject to technical changes.
For more detailed information please ask for customer drawing or see the technical data of KNCS-NB.

SMW-AUTOBLOK Type			KNCS-NB CL 630
Id. No.			161250
Chuck bore	A	mm	630
	B	mm	165
Min. clamping diameter	C	mm	174
	D	mm	380
Max. clamping diameter	E	mm	150
	F	mm	540
Swing diameter max.	G	mm	5
	H	mm	42.6
Residual stroke CL (min. position)	J	mm	812
	K	mm	110
Approach stroke CL (min. position)	L	mm	125
	M	mm	60
Total stroke CL (min. position)	Q	mm	2
	R	mm	27
Residual stroke CL (max. position)	S	mm	29
	T	mm	1.8
Approach stroke CL (max. position)	V	mm	27.2
	W	mm	29
Total stroke CL (max. position)	X	mm	~ ± 0.05
	Y	mm	90