

IN-D

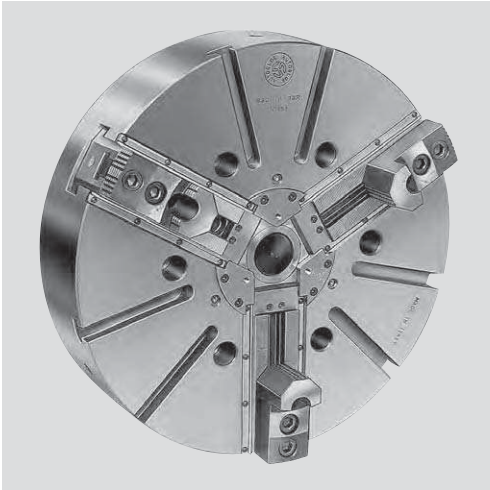
INCH serration

IN-C

Tongue & groove

High precision power chucks Ø 500 - 800 mm

- closed center
- 3 and 4 jaws



Application/customer benefits

- For large parts
- Suitable for vertical machines

IN-D: Master jaws with INCH serration (3/32" x 90°)

IN-C: Tongue & groove master jaws

Technical features

- Gripping force transmission via wedge hook
- Sealed against swarf and chips

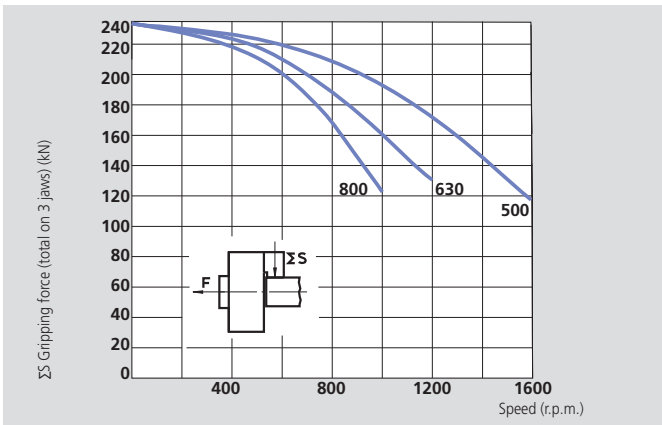
Standard equipment

- 3 or 4 jaw chuck
- 1 set T-nuts with bolts
- 1 set soft top jaws (not IN-C)
- Mounting bolts
- Grease gun

Ordering example

- 3 jaw chuck IN-D 500/A15
- or
- 4 jaw chuck IN-C 630/Z380

Actual gripping force diagram



The data in the diagram 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:

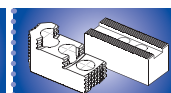
When using taller/heavier jaws and/or clamping on a bigger diameter reduce draw pull/rotating speed accordingly.

Technical data

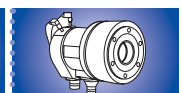
SMW-AUTOBLOK Type	IN-D 500 IN-C 500		IN-D 630 IN-C 630		IN-D 800 IN-C 800	
	3	4	3	4	3	4
Number of jaws						
Radial jaw stroke	mm	8.5	8.5	10	10	10
Axial piston stroke	mm	32	32	38	38	38
Max. draw pull	kN	100	100	100	100	100
Max. gripping force	kN	240	240	240	240	240
Max. speed	r.p.m.	1500	1200	1100	850	900
Mass (without top jaws)	kg	130	180	220	325	320
Moment of inertia	kg·m ²	4.2	5.9	10.8	16	23.8
Recommended actuating cylinders	SIN-S 150/175/200		SIN-S 150/175/200		SIN-S 150/175/200	



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