AN-D
INCH serration

AN-M
METRIC serration

High precision power chucks Ø 125 - 400 mm

■ closed center
■ 2 and 3 jaws (4 jaws only Ø 400 mm)

Application/customer benefits

- For chucking parts
- Suitable for vertical machines

AN-D: Master jaws with INCH serration (1/16" x 90°, 3/32" x 90°)
AN-M: Master jaws with METRIC serration (1.5 mm x 60°)
(suitable for japanese jaws)

Technical features

- Gripping force transmission via wedge hook
- Sealed against swarf and chips
- Case hardened body to assure greatest precision and long chuck life

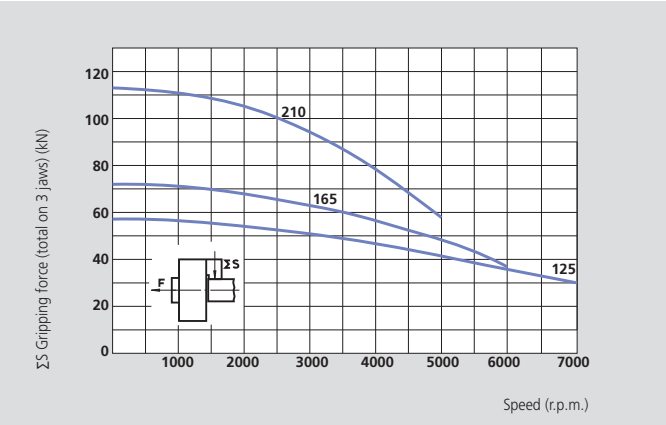
Standard equipment

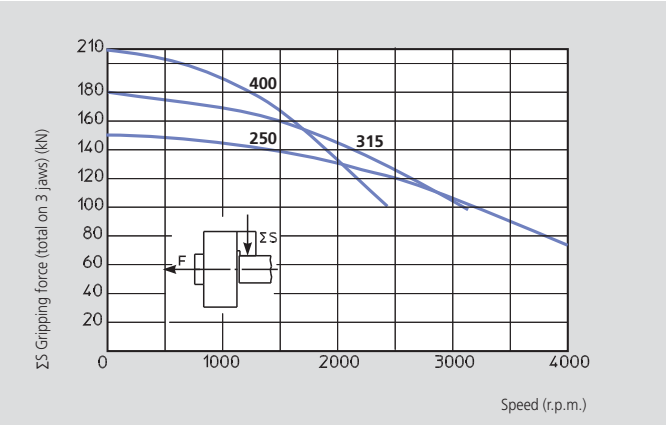
2, 3 or 4 jaw chuck
1 set T-nuts with bolts
Mounting bolts
Grease gun

Ordering example

3 jaw chuck AN-D 210/A6
or
2 jaw chuck AN-M 250/Z220

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.

Technical data

SMW-AUTOBLOK Type		AN-D 125 AN-M 125		AN-D 165 AN-M 165		AN-D 210 AN-M 210		AN-D 250 AN-M 250		AN-D 315 AN-M 315		AN-D 400 AN-M 400		
Number of jaws		2	3	2	3	2	3	2	3	2	3	2	3	4
Radial jaw stroke	mm	3.2		3.6		4.4		5		6.3		7		
Axial piston stroke	mm	15		17		21		24		30		33		
Max. draw pull	kN	14	20	17	25	25	38	33	50	40	60	50	70	70
Max. gripping force	kN	40	56	50	72	75	115	100	150	120	180	150	210	210
Max. speed	r.p.m.	7000		6000		5000		4000		3200		2400		2000
Mass (without top jaws)	kg	5.5		9.5		19		32		56		84		
Moment of inertia	kg·m²	0.011		0.032		0.105		0.26		0.69		1.6		
Recommended actuating cylinders		SIN-S 85/100		SIN-S 100		SIN-S 100/125		SIN-S 125/150		SIN-S 125/150		SIN-S 150/175		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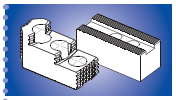
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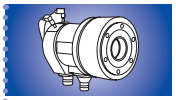
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