

NT-C

Tongue & groove

High precision power chucks Ø 170 - 400 mm

- centrifugal force compensation
- closed center
- 3 jaws
- **proofline®** chucks = fully sealed – low maintenance



Application/customer benefits

- For large batch production/high speed machining and for fragile parts
- Fully sealed, ideal for dry machining of castings and forgings or if high pressure coolant is used

NT-C: Tongue & groove master jaws (American Standard)

Technical features

- Centrifugal force compensation
- Constant gripping force with permanent grease lubrication
- Center bore for coolant and/or air
- Chuck body and internal parts case hardened
- **proofline®** chucks = fully sealed – low maintenance

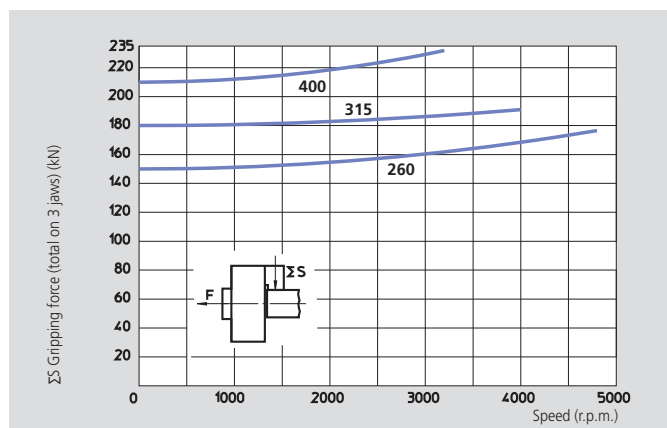
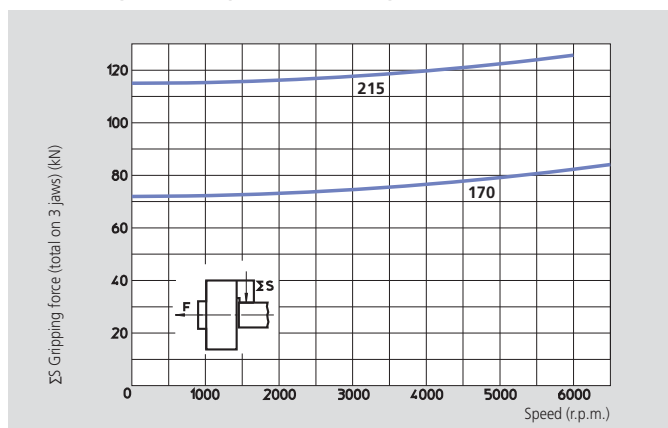
Standard equipment

3 jaw chuck
mounting bolts

Ordering example

3 jaw chuck NT-C 215/A6

Actual gripping force diagrams



The data in the diagrams refer to 3-jaw-chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K67 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:

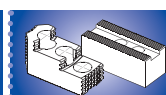
When using taller/heavier jaws and/or clamping on a bigger diameter reduce draw pull/rotating speed accordingly.

Technical data

SMW-AUTOBLOK Type		NT-C 170	NT-C 215	NT-C 260	NT-C 315	NT-C 400
Number of jaws		3	3	3	3	3
Radial jaw stroke	mm	3.6	4.6	5	6.3	7
Axial piston stroke	mm	17	22	24	30	33
Max. draw pull	kN	30	42	55	65	75
Max. gripping force	kN	72	112	150	180	210
Max. speed	r.p.m.	6500	6000	4800	4000	3200
Mass (without top jaws)	kg	13	25	40	68	112
Moment of inertia	kg·m ²	0.048	0.146	0.34	0.84	2.15
Recommended actuating cylinders		SIN-S 100	SIN-S 100/125	SIN-S 125/150	SIN-S 125/150	SIN-S 150/175



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