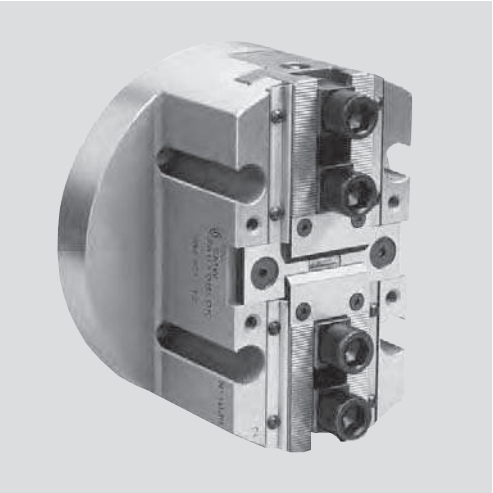
CL-C
Tongue & groove

CL-D
INCH serration

High precision power chucks Ø 80 - 315 mm

■ LONG STROKE
■ closed center
■ 2 jaws



Application/customer benefits

- Gripping or handling of irregular shaped pieces, for example on special machines
- Suitable for vertical machines

CL-C: DIN standard tongue & groove master jaws (Ø 80-160 mm)
CL-D: Master jaws with INCH serration (1/16" x 90°) (Ø 200-315 mm)

Technical features

- Extra long stroke per jaw
- Gripping force transmission via wedge hook
- Sealed against swarf and chips

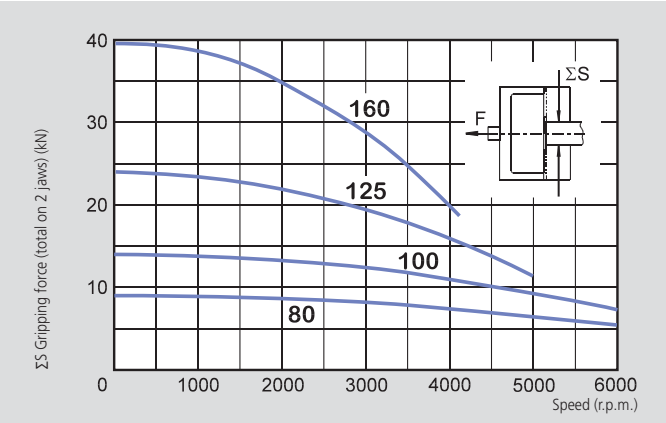
Standard equipment

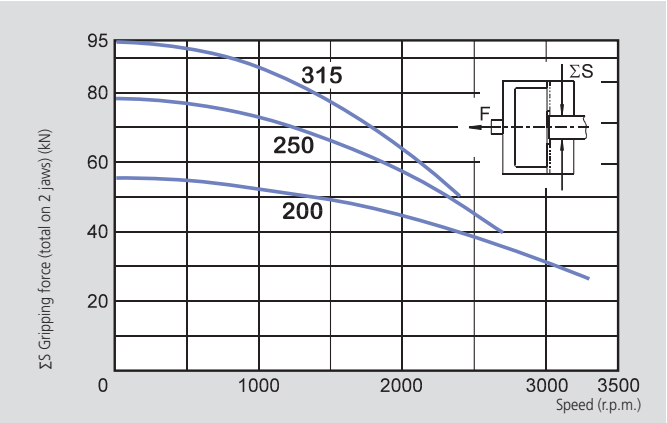
2 jaws chuck
4 T-nuts with bolts (Ø 200-315 mm)
Grease gun
Without top jaws

Ordering example

2 jaw chuck CL-D 250/A8
or
2 jaw chuck CL-C 100/Z92

Actual gripping force diagrams





The data in the diagrams refer to 2-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		CL-C 80	CL-C 100	CL-C 125	CL-C 160	CL-D 200	CL-D 250	CL-D 315
Number of jaws		2	2	2	2	2	2	2
Radial jaw stroke	mm	4.4	5.5	8	10	12	13	14
Axial piston stroke	mm	11	14	20	25	30	32	35
Max. draw pull	kN	6	9	15	25	35	50	60
Max. gripping force	kN	9	14	24	40	55	78	95
Max. speed	r.p.m.	6000	6000	5000	4100	3300	2700	2400
Mass (without top jaws)	kg	1.5	2.5	5	10	14	24	38
Moment of inertia	kg·m²	0.0012	0.003	0.010	0.03	0.065	0.18	0.41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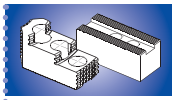
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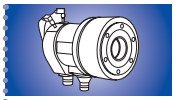
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