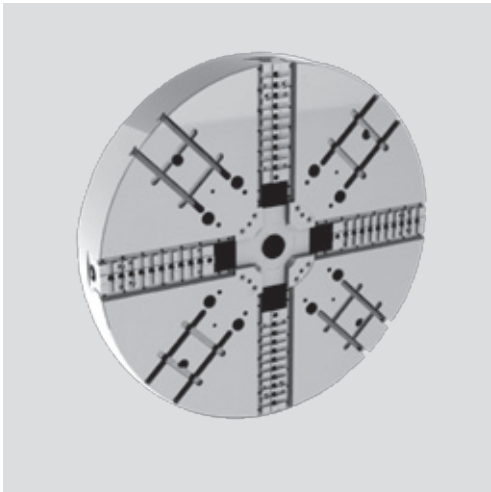


- Radial setting of jaws
- closed center
- 4 jaws (all diameters)



Application/customer benefits

- Clamping of large square and irregular parts using 2 or 4 jaws self centering
- Suitable for vertical machines thanks to the front protection of the slide ways
- Manual radial setting of master jaws
- Tongue & groove (type "American Standard")

Technical features

- Gripping force transmission via wedge hook
- Manual radial setting of master jaws for workpiece centering
- Protection from contamination with seals along the master jaw profiles
- Possibility to use jaw boxes for manual clamping mounted on the T-slots between the master jaws

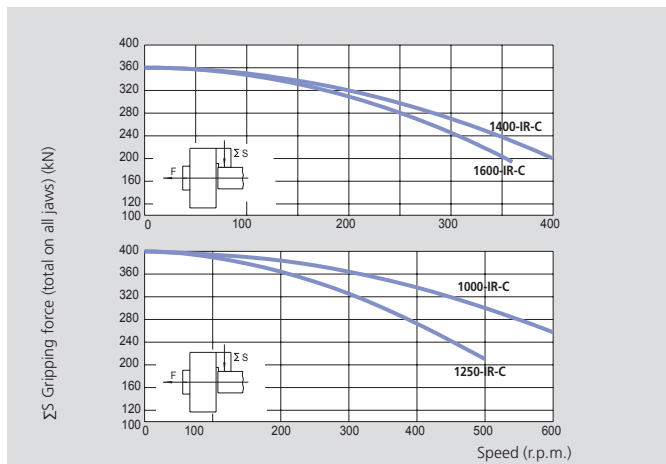
Standard equipment

4 jaws chuck
1 set of soft top jaws
mounting bolts and grease gun

Ordering example

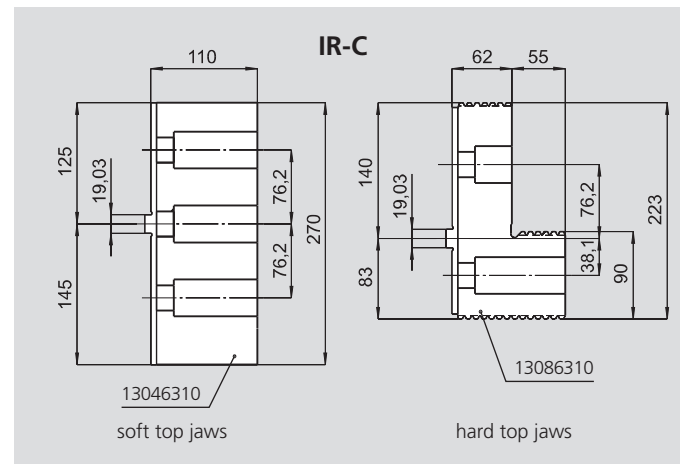
4 jaw chuck IR-C 1600/Z720

Actual gripping force diagrams



The data in the diagrams refer to 4-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.

Soft and hard top jaws for IR-C



△ 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		IR-C 1000	IR-C 1250	IR-C 1400	IR-C 1600	IR-C 2000
Radial jaw stroke + (manual setting)	mm	23 + (30)	23 + (30)	24 + (40)	24 + (40)	24 + (40)
Axial piston stroke	mm	57	57	60	60	60
Max. draw pull*	kN	180	180	200	200	200
Max. gripping force*	kN	320	320	360	360	360
Max. speed	r.p.m.	550	450	380	340	280
Weight (without top jaws)	kg	660	900	1425	1765	2730
Moment of inertia	kg·m ²	84	178	347	562	1360
Hard top jaw (piece)	Id. No.	13086310	13086310	13086310	13086310	13086310
Soft top jaw (piece)	Id. No.	13046310	13046310	13046310	13046310	13046310
Recommended actuating cylinders		SIN-S 250	SIN-S 250	SIN-S 250	SIN-S 250	SIN-S 250

* For internal clamping reduce the draw pull by 30 %

