

IN-DINCH
SERRATION**IN-C**

TONGUE & GROOVE

High precision power chuck 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:** Master jaws with TONGUE & GROOVE**Technical features**

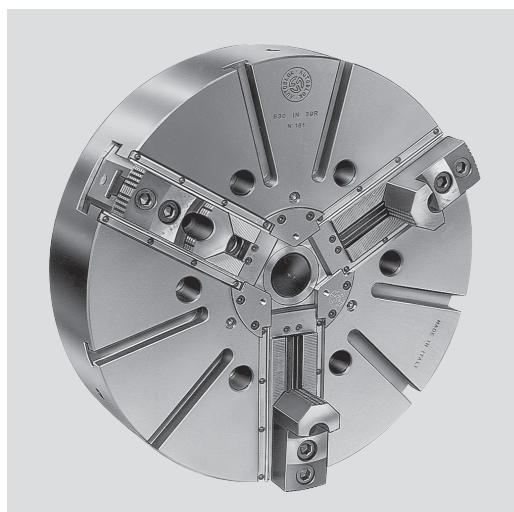
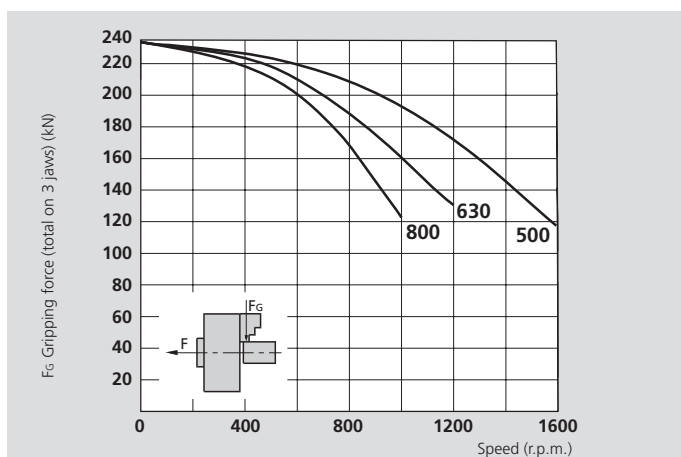
- Gripping force transmission via wedge hook
- Sealed against swarf and chips

Standard equipment

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

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 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.

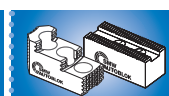
△ Safety advice / danger of damage:

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

Technical data

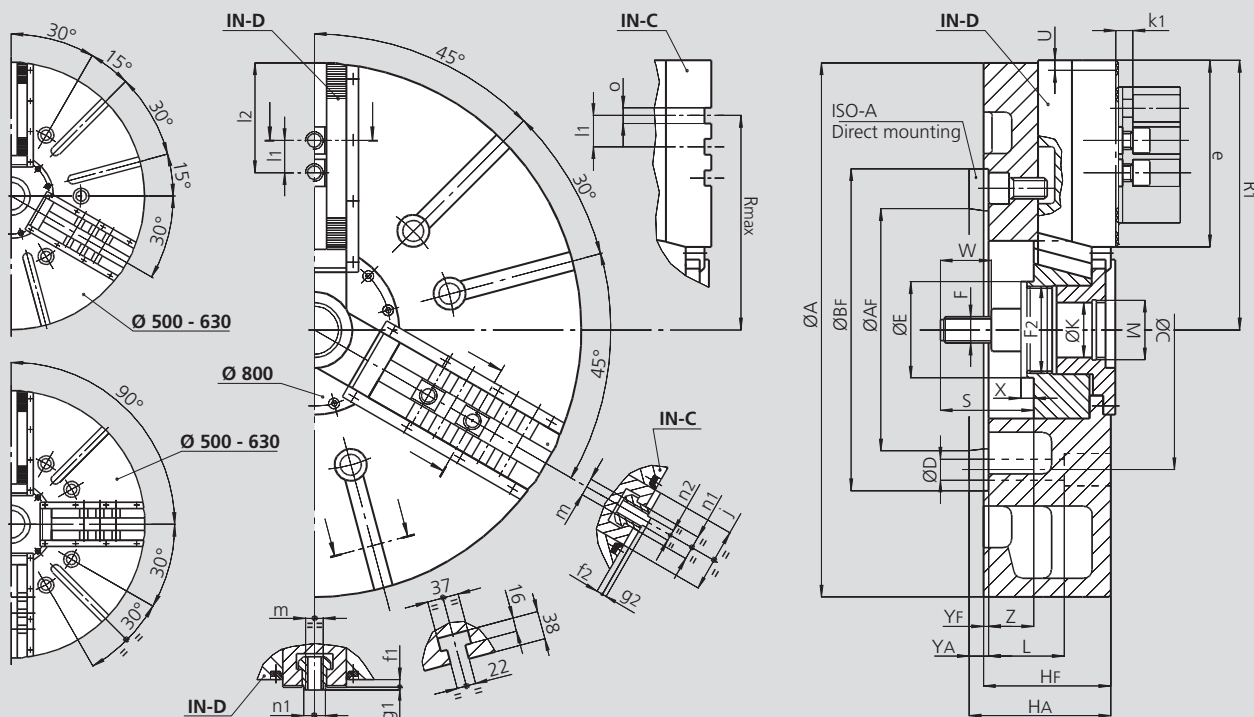
SMW-AUTOBLOK Type		IN-D 500 IN-C 500		IN-D 630 IN-C 630		IN-D 800 IN-C 800	
Number of jaws		3	4	3	4	3	4
Radial jaw stroke	mm	8.5	8.5	10	10	10	10
Axial piston stroke	mm	32	32	38	38	38	38
Max. draw pull*	kN	100	100	100	100	100	100
Max. gripping force*	kN	240	240	240	240	240	240
Max. speed	r.p.m.	1500	1200	1100	850	900	750
Weight (without top jaws)	kg	130	180	220	325	320	550
Moment of inertia	kg·m ²	4.2	5.9	10.8	16	23.8	44
Recommended actuating cylinders		SIN-S 150 / 175 / 200		SIN-S 150 / 175 / 200		SIN-S 150 / 175 / 200	
Id. No. IN-D (Center mounting)		77122150	77122550	77122163	77122563	77122180	77122580
Id. No. IN-C (Center mounting)		77128250	77128650	77128263	77128663	77128280	77128680

* For internal clamping reduce the draw pull by 30%.

SMW-AUTOBLOK
466SMW-AUTOBLOK
468SMW-AUTOBLOK
327

IN-C

- TONGUE & GROOVE**



SMW-AUTOBLOK Type

SMW-AUTOBLOK 81