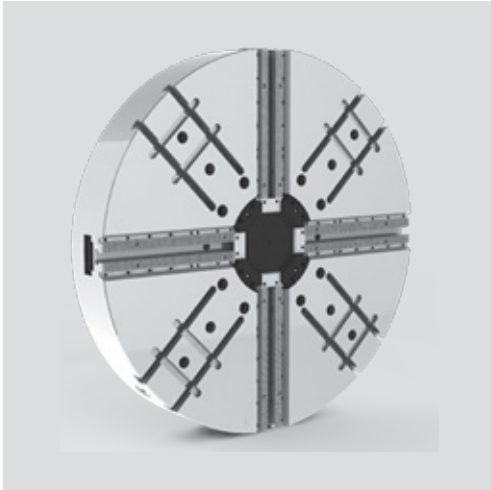


IN-D**IL-D****High precision power chucks Ø 1000 - 1600 mm**

MODULE 2 serrations

Long jaw stroke
MODULE 2 serration

- closed center
- 4 jaws (all diameters)

**Application/customer benefits**

- Clamping of large square and irregular shaped parts, using 2 or 4 jaws self centering
- Suitable for vertical machines thanks to the front protection of the slide ways

IN-D/IL-D: MODULE 2 serrated master jaws (pitch 6.28 mm) (Ø 1000 to 1600 mm)**Technical features**

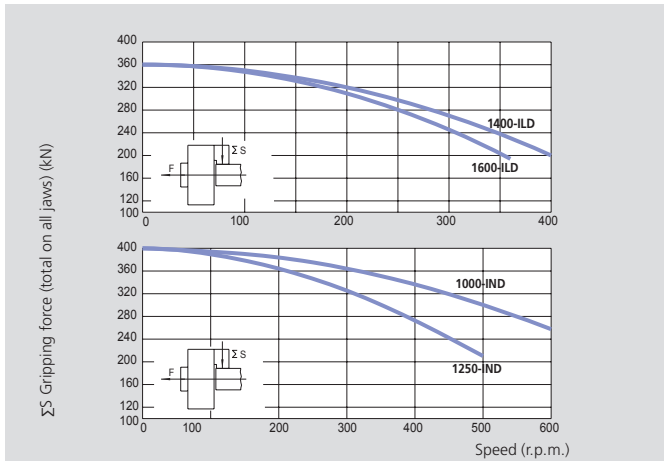
- Gripping force transmission via wedge hook
- Protection from contamination with seals along the master jaw profiles
- Possibility to use jaw boxes for manual clamping mounted on the T-slots between the master jaws

Standard equipment

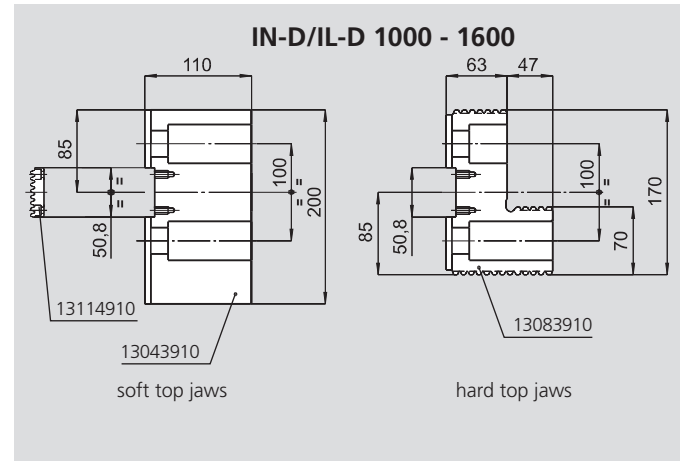
- 4 jaws chuck
- 1 set T-nuts with bolts
- 1 set soft top jaws with cross keys
mounting bolts and grease gun

Ordering example

4 jaw chuck IN-D 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.

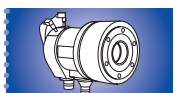
Soft and hard top jaws for IN-D and IL-D**△ Safety advice/danger of damage:**

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 1000	IN-D 1250	IL-D 1400	IL-D 1600
Radial jaw stroke	mm	15	15	24	24
Axial piston stroke	mm	57	57	60	60
Max. draw pull*	kN	180	180	200	200
Max. gripping force*	kN	400	400	360	360
Max. speed	r.p.m.	600	500	400	360
Weight (without top jaws)	kg	660	900	1425	1765
Moment of inertia	kg·m ²	84	178	347	562
Hard top jaw (piece)	Id. No.	13083910	13083910	13083910	13083910
Soft top jaw (piece)	Id. No.	13043910	13043910	13043910	13043910
Recommended actuating cylinders		SIN-S 250	SIN-S 250	SIN-S 250	SIN-S 250

* For internal clamping reduce the draw pull by 30 %



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High precision power chucks Ø 1000 - 1600 mm

IN-D

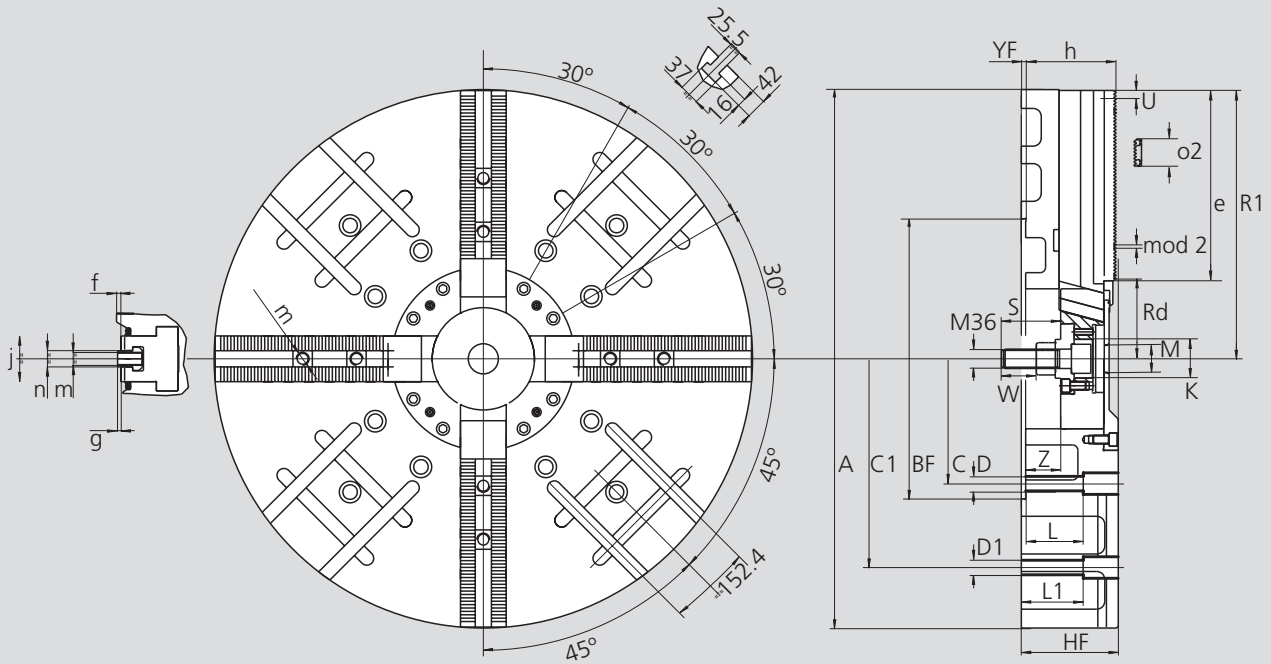
IL-D

- closed center
- 4 jaws (all diameters)

MODULE 2 serrations

Long jaw stroke
MODULE 2 serration

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Subject to technical changes
For more detailed information please ask for customer drawing

SMW-AUTOBLOK Type		IN-D 1000		IN-D 1250		IL-D 1400	IL-D 1600
Mounting		Z520	A20	Z520	A20	Z720	Z720
A	mm	1005		1250		1400	1600
Bf	H6 mm	520		520		720	720
C	mm	463.6		463.6		647.6	647.6
C1	mm	700		700		1110	1110
D	mm	27		27		33	33
D1	mm	27		27		27	27
Hf	mm	200		200		240	240
K	mm	72		72		72.5	72.5
L	mm	137		137		177	177
L1	mm	145		145		177	177
M	mm	M52 x 1.5		M52 x 1.5		M52 x 1.5	M52 x 1.5
Chuck open	R1 mm	498		623		696	796
Chuck open	Rd mm	148.5		148.5		179.5	179.5
Radial stroke	U mm	15		15		24	24
S	mm	118		118		118	118
Yf	mm	8		8		8	8
max.	Z mm	75		75		100	100
min.	Z mm	18		18		40	40
e	mm	353		478		519	619
f	mm	8		8		8	8
g	mm	4		4		4	4
h	mm	184		184		224	224
j	mm	85		85		110	110
m	mm	M24		M24		M24	M24
n	h8 mm	30		30		30	30
o2	h6 mm	50.8		50.8		50.8	50.8