

IN-D

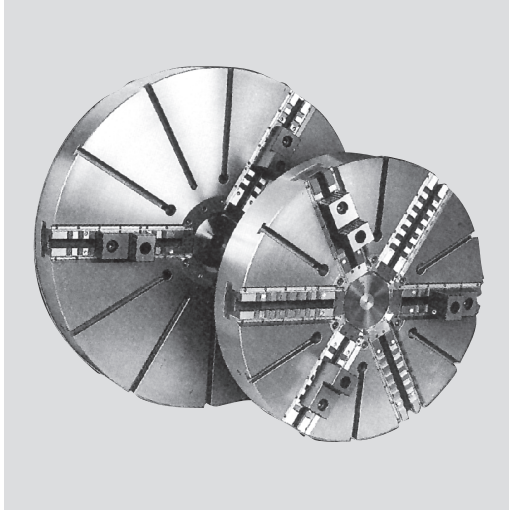
MODULE 2
SERRATION

IL-D

LONG JAW STROKE
MODULE 2
SERRATION

High precision power chucks Ø 1000 - 1600 mm

- Closed center
- Long jaw stroke
- 3 and 6 jaws (all diameters)



Application/customer benefits

- Chucking operations of very large components
- 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 - 1600 mm)

Technical features

- Gripping force transmission via wedge hook
- Front protection of the slide ways against swarf and chips penetration

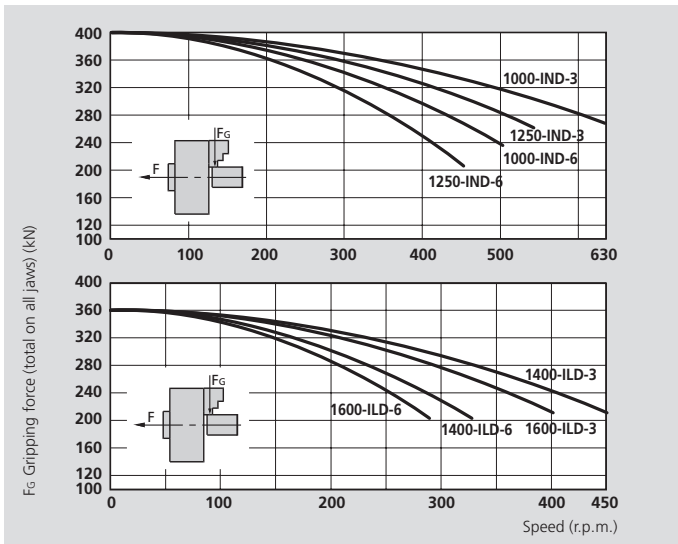
Standard equipment

- 3 or 6 jaw chuck
- 1 set T-nuts with bolts
- 1 set soft top jaws with cross keys
- Mounting bolts
- Grease gun

Ordering example

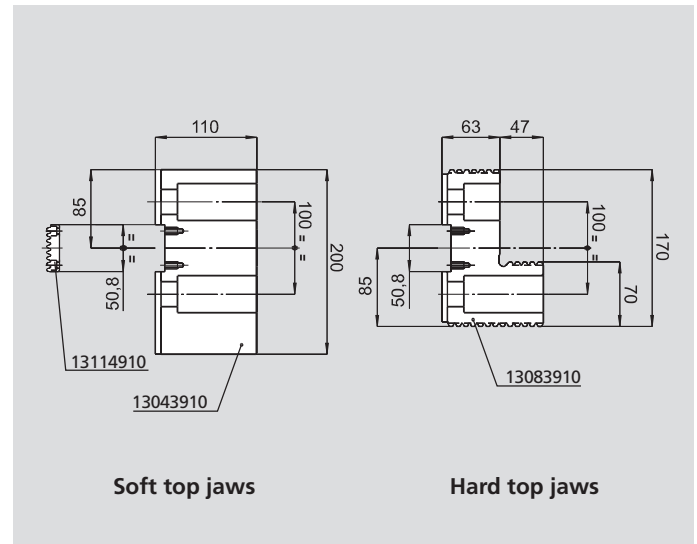
- 3 jaw chuck IL-D 1600 / Z720
- or
- 6 jaw chuck IL-D 1600 / Z720

Actual gripping force diagrams



The data in the diagram refer to 3-6 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	
Number of jaws		3	6	3	6	3	6	3	6
Radial jaw stroke	mm	15	15	15	15	24	24	24	24
Axial piston stroke	mm	57	57	57	57	60	60	60	60
Max. draw pull*	kN	180	180	180	180	200	200	200	200
Max. gripping force*	kN	400	400	400	400	360	360	360	360
Max. speed	r.p.m.	630	500	500	450	450	320	400	280
Weight (without top jaws)	kg	600	800	800	1200	1600			
Moment of inertia	kg-m ²	68	145	145	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	Type	SIN-S 250		SIN-S 250		SIN-S 250		SIN-S 250	

* For internal clamping reduce the draw pull by 30%



SMW-AUTOBLOK
297

High precision power chucks \varnothing 1000 - 1600 mm

- Closed center
- Long jaw stroke
- 3 and 6 jaws (all diameters)

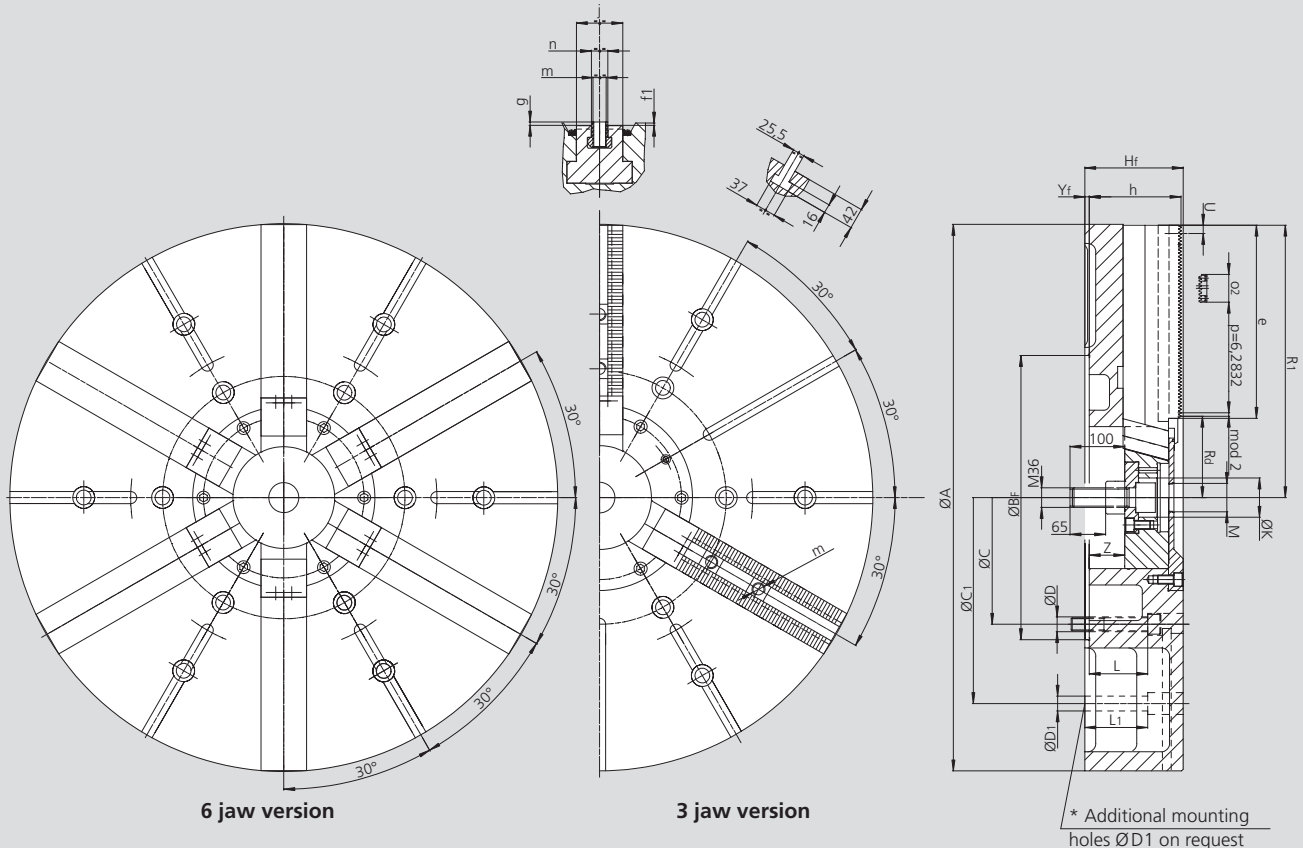
IN-D

MODULE 2
SERRATION

IL-D

LONG JAW STROKE
MODULE 2
SERRATION

1



Subject to technical changes.
For more detailed information please ask our customer service.

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
	B_F 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
	H_F	mm	184		184		222	222
	K	mm	72		72		72	72
	L	mm	108		108		179	179
	L₁	mm	116*		116*		154	154
	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	R_d	mm	148.5		148.5		179.5	179.5
Radial stroke	U	mm	15		15		24	24
	S	mm	100		100		100	100
	Y_F	mm	8		8		8	8
Max.	Z	mm	65		65		82	82
Min.	Z	mm	8		8		22	22
	e	mm	353		478		519	619
	f	mm	8		8		8	8
	g	mm	4		4		4	4
	h	mm	168		168		206	206
	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