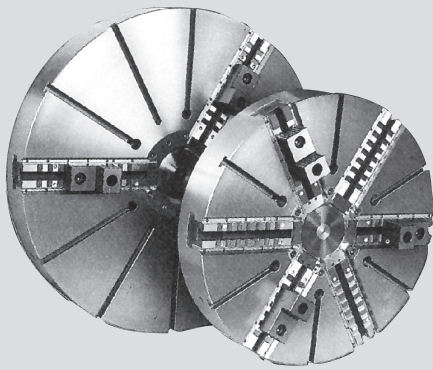


- Radial setting of jaws
- Closed center
- 3 and 6 jaws (660 - 800: 3 jaws / 1000 - 2500: 3 and 6 jaws)



Application/customer benefits

- Chucking operations of very large components
- Suitable for vertical machines thanks to the front protection of the slide ways

IR-C: Manual radial setting of master jaws, TONGUE & GROOVE (type "American Standard") (all diameters)

Technical features

- Gripping force transmission via wedge hook
- Front protection of the slide ways against swarf and chips penetration
- IR-C chucks with manual radial setting of master jaws for the workpiece centering

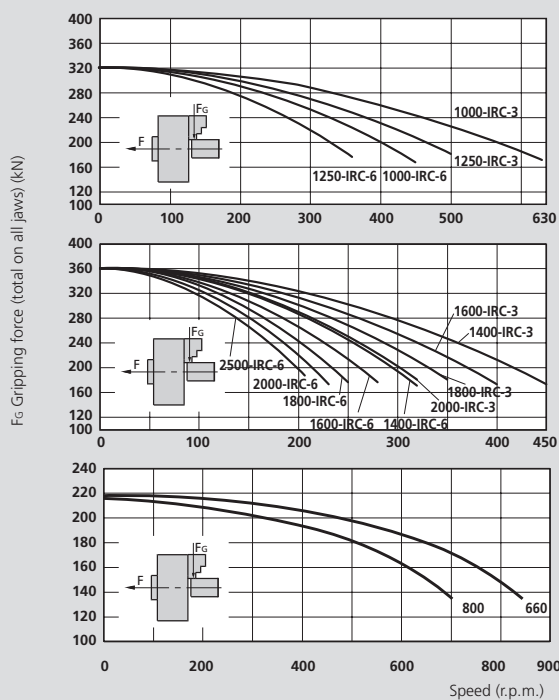
Standard equipment

3- or 6-jaw chuck
1 set soft top jaws
Mounting bolts
Grease gun

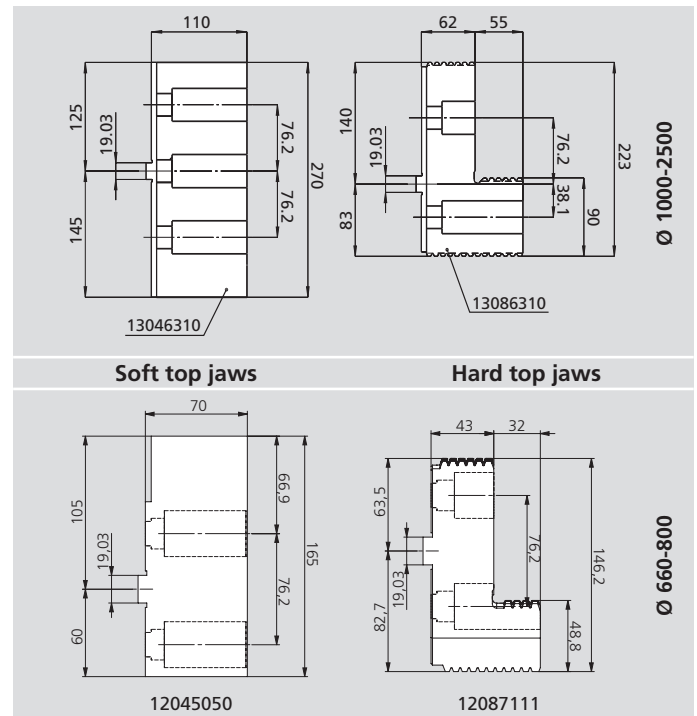
Ordering example

6-jaw chuck IR-C 1600 / Z720

Actual gripping force diagrams



Soft and hard top jaws for IR-C



The data in the diagrams refer to 3-6 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		IR-C 660	IR-C 800	IR-C 1000		IR-C 1250		IR-C 1400		IR-C 1600		IR-C 1800		IR-C 2000		IR-C 2500
Number of jaws		3	3	3	6	3	6	3	6	3	6	3	6	3	6	6
Radial jaw stroke (+ manual setting)	mm	20 + (20)	20 + (30)	23 + (30)		23 + (30)		24 + (40)		24 + (40)		24 + (40)		24 + (40)		30 + (40)
Axial piston stroke	mm	50	50	57		57		60		60		60		60		60
Max. draw pull*	kN	120	120	180		180		200		200		200		200		270
Max. gripping force*	kN	215	215	320		320		360		360		360		360		380
Max. speed	r.p.m.	850	700	630	450	500	360	450	320	400	280	350	250	320	230	200
Weight (without top jaws)	kg	390	520	600		800		1200		1600		1800		2500		5100
Moment of inertia	kg·m ²	15.5	25	68		145		280		500		750		1250		3860
Hard, reversible top jaw (piece)	Id. No.	12087111	12087111	13086310		13086310		13086310		13086310		13086310		13086310		13086310
Soft top jaw (piece)	Id. No.	12045050	12045050	13046310		13046310		13046310		13046310		13046310		13046310		13046310
Recommended actuating cylinders	Type	SIN-S 150-175-200	SIN-S 150-175-200	SIN-S 250		SIN-S 250		SIN-S 250		SIN-S 250		SIN-S 250		SIN-S 250		SIN-S 250
Id. No. IR-C 3 jaws (Center mounting)		77996602	77998022	77137339		77137349		77137355		77137363		77137371		77137379		-
Id. No. IR-C 6 jaws (Center mounting)		-	-	77137639		77137649		77137655		77137663		77137671		77137679		77137685

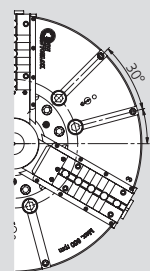
High precision power chuck Ø 660 - 2500 mm

IR-C

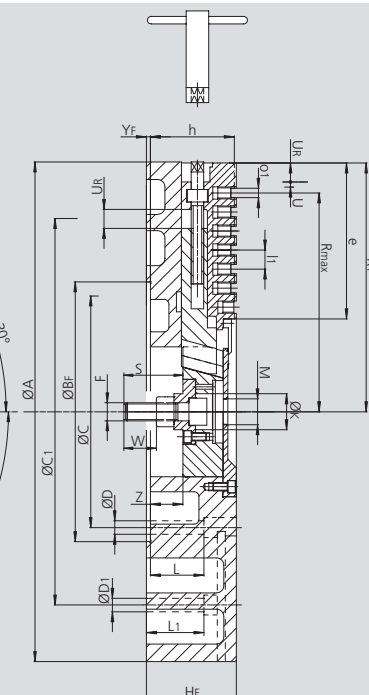
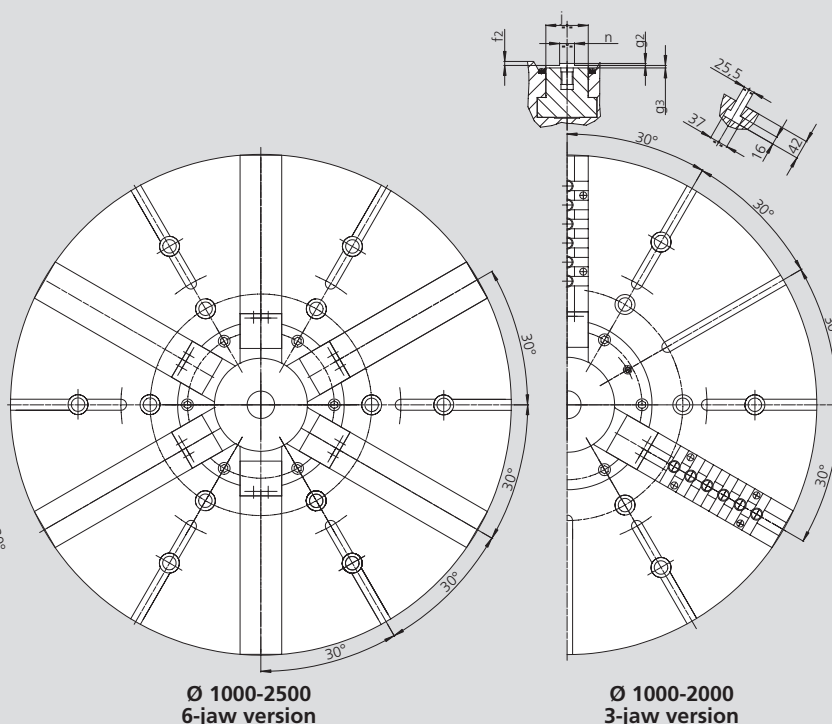
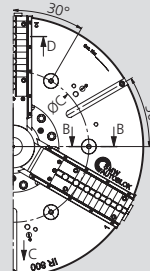
- Radial setting of jaws
- Closed center
- 3 and 6 jaws (660 - 800: 3 jaws / 1000 - 2500: 3 and 6 jaws)

TONGUE & GROOVE

Ø 660 - 3 jaw



Ø 800 - 3 jaw



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

SMW-AUTOBLOK Type			IR-C 660		IR-C 800		IR-C 1000		IR-C 1250		IR-C 1400	IR-C 1600	IR-C 1800	IR-C 2000	IR-C 2500
Mounting			Z380	A15	Z520	A20	Z520	A20	Z520	A20	Z720	Z720	Z720	Z720	Z720
	A	mm	660		800		1005		1250		1400	1600	1800	2000	2500
	Bf H6	mm	380	285.775	520	412.775	520		520		720	720	720	720	720
	C	mm	330.2		463.6		463.6		463.6		647.6	647.6	647.6	647.6	647.6
	C1	mm	-		-		700		700		1110	1110	1110	1110	1640
	D	mm	27		27		27		27		33	33	33	33	33
	D1	mm	-		-		27		27		27	27	27	27	27
	F	mm	M30		M30		M36		M36		M36	M36	M36	M36	M42
	Hf	mm	154		150		184		184		222	222	222	240	280
	K	mm	50		105		72		72		72	72	72	72	72
	L	mm	75		87		121		121		159	159	159	177	182
	L1	mm	-		-		97		97		130	130	130	148	205
	M	mm	M52 x 1.5		M52 x 1.5		M52 x 1.5		M52 x 1.5		M52 x 1.5	M52 x 1.5	M52 x 1.5	M52 x 1.5	-
Chuck open	R1	mm	340.5		400		502		623		696	796	896	996	1248
Chuck open	Rmax	mm	307		375		457		563		657	738	838	914	1176
	S	mm	97		95		100		100		100	100	100	100	54
Radial stroke	U	mm	20		20		23		23		24	24	24	24	30
Setting stroke	UR	mm	20		30		30		30		40	40	40	40	40
	W	mm	57,5		60		65		65		65	65	65	65	-
	Yf	mm	8		8		8		8		8	8	8	8	8
Max.	Z	mm	56		66		59		59		82	82	82	100	-
Min.	Z	mm	6		16		2		2		22	22	22	40	-
	e	mm	194		246		295		416		446	546	639	739	959
	f2	mm	7		13		8		8		8	8	8	8	8
	g2	mm	3		3		4		4		4	4	4	4	4
	g3	mm	7		7		7		7		7	7	7	7	7
	h	mm	156		158		168		168		206	206	206	224	261
	j	mm	85		85		85		85		110	110	110	110	110
	l1	mm	38.1		38.1		38.1		38.1		38.1	38.1	38.1	38.1	38.1
	m	mm	M20		M20		M24		M24		M24	M24	M24	M24	M24
	n h8	mm	12.7		12.7		30		30		30	30	30	30	30
	o1 H7	mm	19.03		19.03		19.03		19.03		19.03	19.03	19.03	19.03	19.03
Number of „o1“ cross grooves			3		5		6		9		10	12	14	16	21
Number of „m“ threads			5		6		7		10		11	13	15	17	21