

ACS-I 3 / 6

Self centering
column chuck

Self-centering column chucks with pull down Ø 130 - 300 mm

- Pull down
- Power operated via standard cylinders
- I.D. clamping



Application/customer benefits

- For small, medium and large quantities at high precision
- Pull down of the workpiece to the axial workstop during clamping
- Minimum loss of gripping force at high speed
- Standard, hardened jaw blanks available

Technical features

- Chuck body completely case hardened
- Openings in the chuck body to evacuate chips
- Central bore for coolant / air

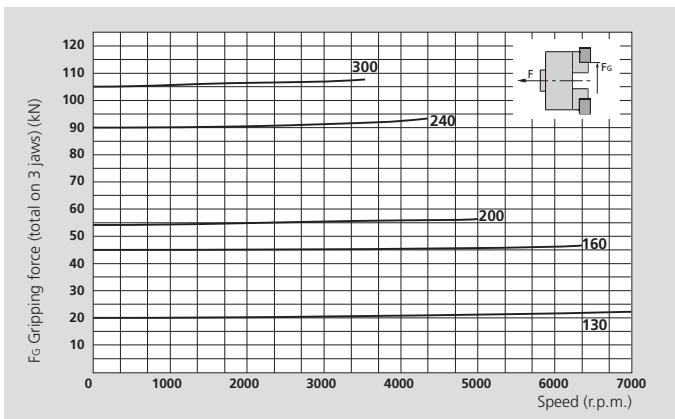
Standard equipment

3 or 6 jaw chuck
Mounting bolts

Ordering example

3 jaw column chuck
with center mounting Z115
type ACS-I 130-3-Z-115

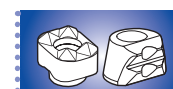
Actual gripping force diagram



The diagrams refer to standard jaw blanks,
machined to 50% of their mass.

Technical data

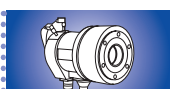
SMW-AUTOBLOK Type		ACS-I 130	ACS-I 160	ACS-I 200	ACS-I 240	ACS-I 300
Number of jaws		3	3	3	6	6
Jaw stroke	mm	2.6	4.4	4.4	4.4	4.4
Piston stroke	mm	10	11	11	11	11
Actuating force max.	kN	10	25	30	50	60
Grip force max.	kN	20	45	54	90	105
Speed max.	r.p.m.	7000	6300	5000	4300	3500
Weight	kg	10	12	20	30	55
Moment of inertia	kg·m ²	0.02	0.03	0.1	0.2	-
Clamping range	min.	65	92	110	144	210
Clamping range	max.	100	140	200	232	280
Rec. actuating cylinder	Type	SIN-S 70	SIN-S 85	SIN-S 100	SIN-S 125	SIN-S 125
Rec. actuating cylinder	Type	SIN-S 85	SIN-S 100	SIN-S 125	SIN-S 150	SIN-S 150
Chuck	Id. No.	77690613	77690616	77690620	77690624	77690930
Jaw blanks	Id. No.	69761360	69761660	69762060	69762490	69763090



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444



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438



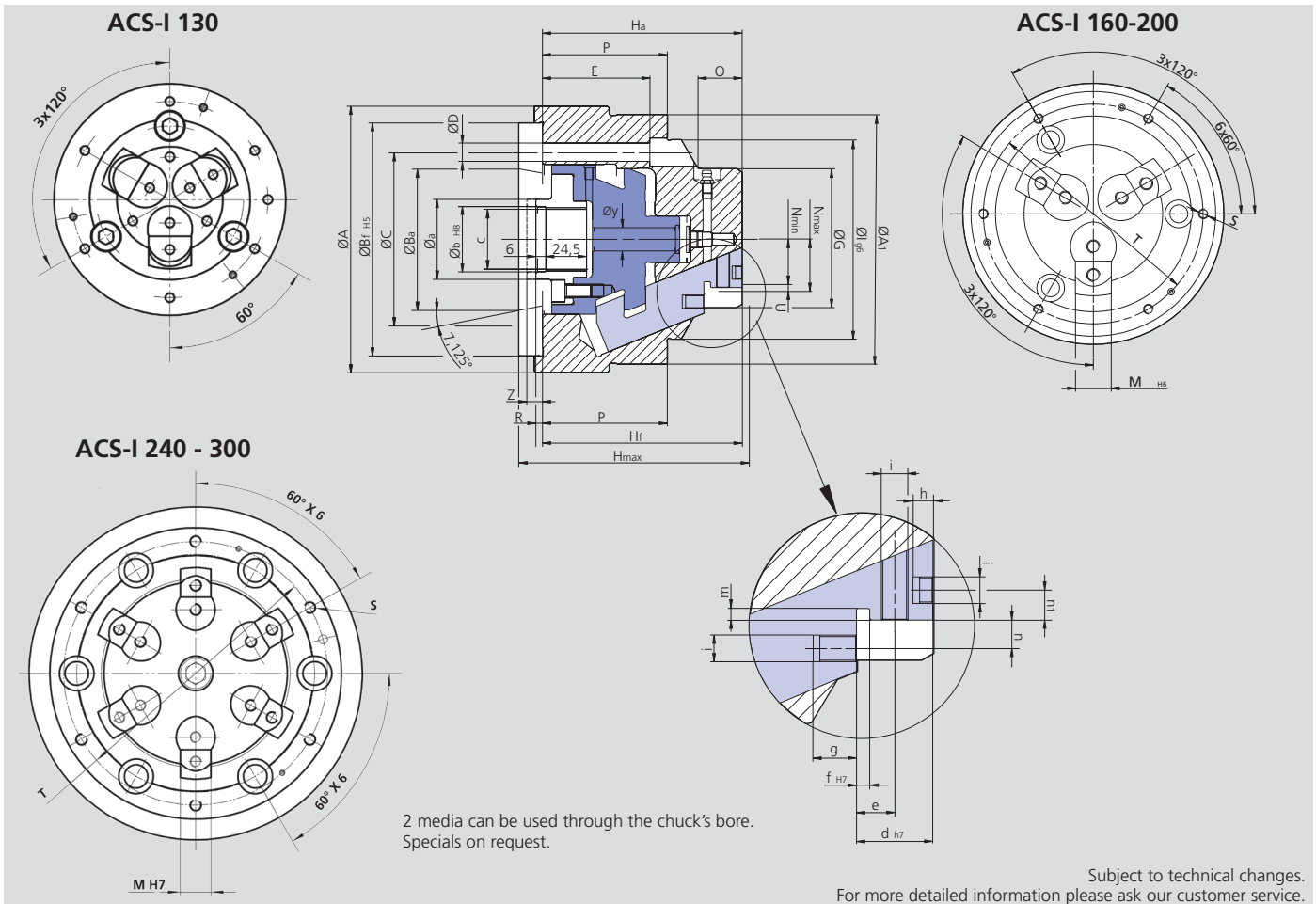
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297

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SMW-AUTOBLOK Type			ACS-I 3 130	ACS-I 3 160	ACS-I 3 200	ACS-I 6 240	ACS-I 6 300
Number of jaws			3	3	3	6	6
Mounting			ISO-A4 Z115	ISO-A5 Z140	ISO-A6 Z170	ISO-A8 Z220	ISO-A11 Z280
	A/A1	mm	130 / 130	160 / 150	200 / 170	240 / 210	300 / 275
	Ba	mm	63.513	82.563	106.375	139.719	196.869
	Bf	mm	115	140	170	220	280
	C	mm	82.6	104.8	133.4	171.4	235
	D	mm	11	11	13	17	21
	E	mm	55	64.5	62	68.5	64.5
	G	mm	59.5	85	103	136	200
	Hmax.	mm	130	140.5	147.5	154.5	156.5
	Ha	mm	125	135	142	149	151
	Hf	mm	112	120	125	130	130
	I	mm	90	120	140	170	232
	M	mm	24	22	22	22	22
	Nmin./max.	mm	19.2 / 21.8	26.8 / 31.2	36.3 / 40.7	52.8 / 57.2	84.8 / 89.2
	O	mm	27.5	26.5	27	27	27
	P	mm	67	75	80	85	85
	R	mm	18	4	4	4	8
	S	mm	M6	M6	M6	M8	M8
	T	mm	110	135	155	190	255
Stroke	U	mm	2.6	4.4	4.4	4.4	4.4
Stroke	Z	mm	10	11	11	11	11
	a	mm	36	48	48	48	86
	b	mm	29	39	39	39	76
	c	mm	M28 x 1.5	M38 x 1.5	M38 x 1.5	M38 x 1.5	M75 x 2
	d	mm	20	23	23	23	23
	e	mm	9.5	11.5	11.5	11.5	11.5
	f	mm	4	4	4	4	4
	g	mm	12	13	13	13	13
	h	mm	-	6	6	6	6
	i	mm	M6	M8	M8	M8	M8
	m	mm	3.5	3.5	3.5	3.5	3.5
	n	mm	7.5	8.5	8.5	8.5	8.5
	n1	mm	7.5	9	9	9	9
	y	mm	14	14	32	32	115