

# ACS-I 3 / 6

Self centering column chuck

## Self-centering column chuck 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

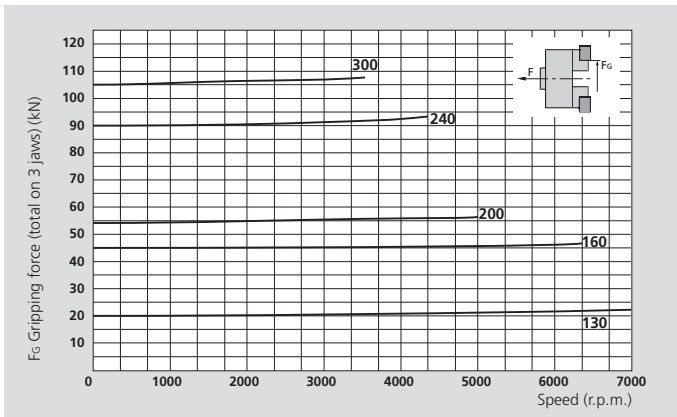
### Standard equipment

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



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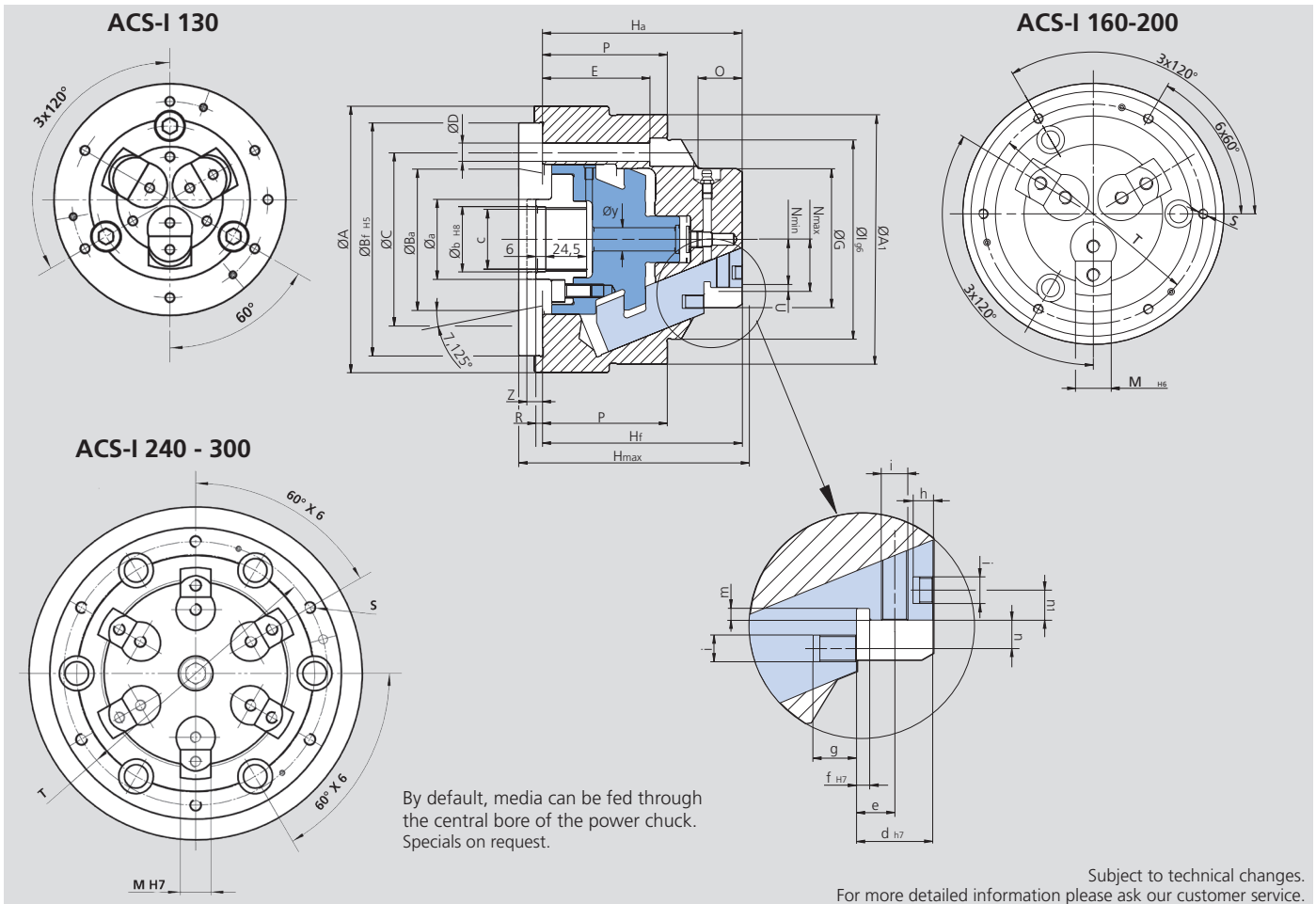
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Self centering  
column chuck



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