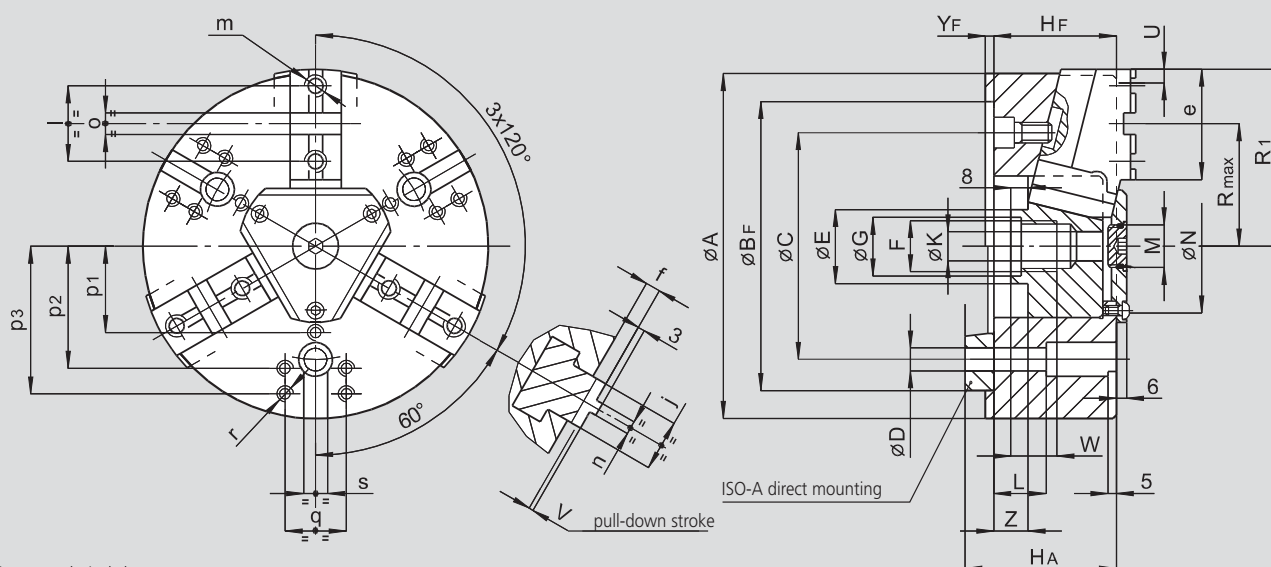


## High precision pull-down chucks Ø 160 - 400 mm

- pull-down effect of inclined master jaws
- tongue & groove master jaws
- 3 jaws

**RAN**Pull-down effect  
Tongue & groove

Subject to technical changes

For more detailed information please ask for customer drawing

SMW-AUTOBLOK Type			RAN 160		RAN 200		RAN 250		RAN 315		RAN 400	
Mounting			Z140	A5	Z170	A6	Z220	A8	Z220	A8	Z300	A11
	<b>A</b>	mm	165		203		250		305		390	
	<b>Bf</b> H6	mm	140		170		220		220		300	
Fixing holes circle	<b>C</b>	mm	104.8		133.4		171.4		171.4		235	
Fixing holes diameter	<b>D</b>	mm	11.5		13.5		17		17		21	
	<b>E</b>	mm	32		41		47		47		66	
	<b>F</b>	mm	M24 x 2		M32 x 1.5		M38 x 1.5		M38 x 1.5		M56 x 2	
	<b>G</b>	mm	25		33		39		39		57	
	<b>Hf/HA</b>	mm	66	81	72	89	87	106	95	114	104	125
Central through-hole	<b>K</b>	mm	16		18		25		25		36	
	<b>L</b>	mm	13		22		18		18		54	
	<b>M</b>	mm	M20 x 1		M24 x 1		M28 x 1.5		M28 x 1.5		M52 x 1.5	
	<b>N</b>	mm	75		90		105		112		145	
Chuck open	<b>R1</b>	mm	85		104		128		155		198	
	<b>Rmax</b>	mm	56		72		88		105		133	
Radial clamping stroke	<b>U</b>	mm	5		5		6		8		8	
Pull-down clamping stroke	<b>V</b>	mm	1.25		1.25		1.5		2		2	
	<b>W</b>	mm	20		25		25		25		35	
	<b>Yf</b>	mm	5		5		5		5		6	
Axial wedge stroke	<b>Z</b>	mm	20		20		25		32		32	
	<b>e</b>	mm	57		65		84		103		130	
Chuck open	<b>f</b>	mm	8.25		8.25		8.5		9		11	
	<b>j</b>	mm	24		30		36		36		45	
	<b>l</b>	mm	38		44.4		54		63.5		76.2	
	<b>m</b>	mm	M10		M12		M16		M16		M20	
	<b>n</b> h8	mm	7.94		7.94		12.7		12.7		12.7	
	<b>o</b> H7	mm	12.68		12.68		19.03		19.03		19.03	
	<b>p1</b>	mm	-		-		60		65		85	
	<b>p2</b>	mm	65		72		100		90		120	
	<b>p3</b>	mm	-		87		-		120		150	
	<b>q</b>	mm	36		36		60		60		80	
	<b>r</b>	mm	M8		M8		M10		M10		M12	
	<b>s</b>	mm	16		14		16		20		20	