

# BH-RM

Pallettized  
QUICK JAW CHANGE

## High precision power chucks Ø 165 - 315 mm

- open center - QUICK JAW CHANGE
- 2 and 3 jaws



### Application/customer's benefit

For open center or partial open center clamping  
From middle size to big production batches  
Shortest set-up times with jaw change in seconds

### Technical features

Gripping force transmission via wedge hook  
Quick jaw change with case hardened pallets  
High accuracy and rigidity of the quick change system allowing high repeatability  
Case hardened body to assure greatest precision and long chuck life

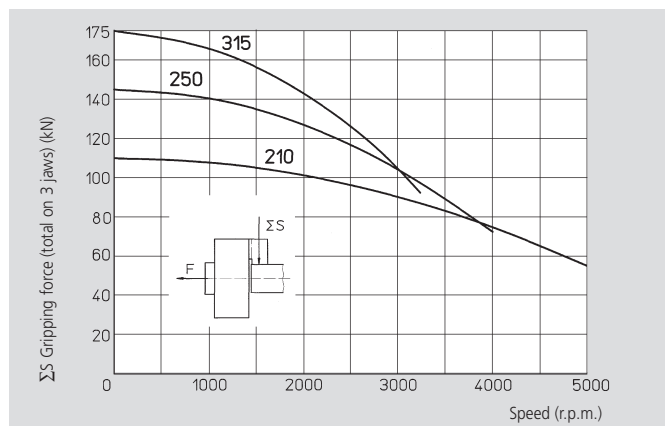
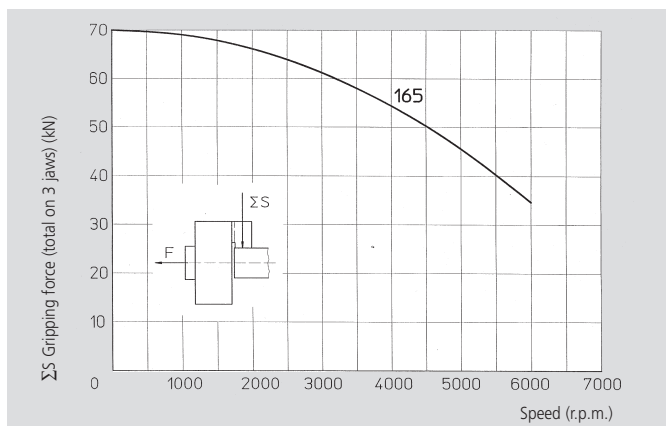
### Standard equipment

2 or 3 jaw chuck  
1 set quick change pallets  
Quick change key  
Mounting bolts  
Grease gun

### Ordering example

2 jaw chuck BH-RM 250/Z220  
or  
3 jaw chuck BH-RM 315/A8

## Actual gripping force diagrams



- The diagrams refer to 3-jaw chucks.
- The max gripping force is the total, acting on the 3 jaws, obtained by applying to the chuck the max allowed traction to the draw bar. The data refers to a chuck in good conditions, using SMW-AUTOBLOK K05 grease.

- The dynamic gripping forces have been measured using the standard soft top jaws placed in the most external position, but not exceeding the outer diameter of the chuck. Using larger and heavier jaws and/or in a more external position, it is necessary to reduce the rotation speed.

## Technical data

SMW-AUTOBLOK Type		BH-RM 165		BH-RM 210		BH-RM 250		BH-RM 315	
Number of jaws		2	3	2	3	2	3	2	3
Through-hole	mm	26		36		48		66	
Radial jaw stroke	mm	3.2		4		5		5	
Axial piston stroke	mm	15		19		24		24	
Max. draw-pull	kN	17	25	25	38	34	50	40	60
Max. gripping force	kN	48	70	72	110	98	145	115	175
Max. speed*	r.p.m.	6000		5000		4000		3200	
Mass (without pallets and top jaws)	kg	9.5		19		30		46	
Moment of inertia	kg·m <sup>2</sup>	0.036		0.12		0.27		0.62	
Max top jaw mass*	kg	0.55		0.8		1.45		2.4	
Recommended cylinders		SIN-S 100 VNK 102/46		SIN-S 100/125 VNK 130/52		SIN-S 125/150 VNK 150/67		SIN-S 125/150 VNK 225/95	

\*Attention: max. speed can only be reached at the max draw-pull, using clamping jaws not heavier than the values shown in the above schedule and not exceeding the chuck O.D.

QUICK  
CHANGE  
PALLETES



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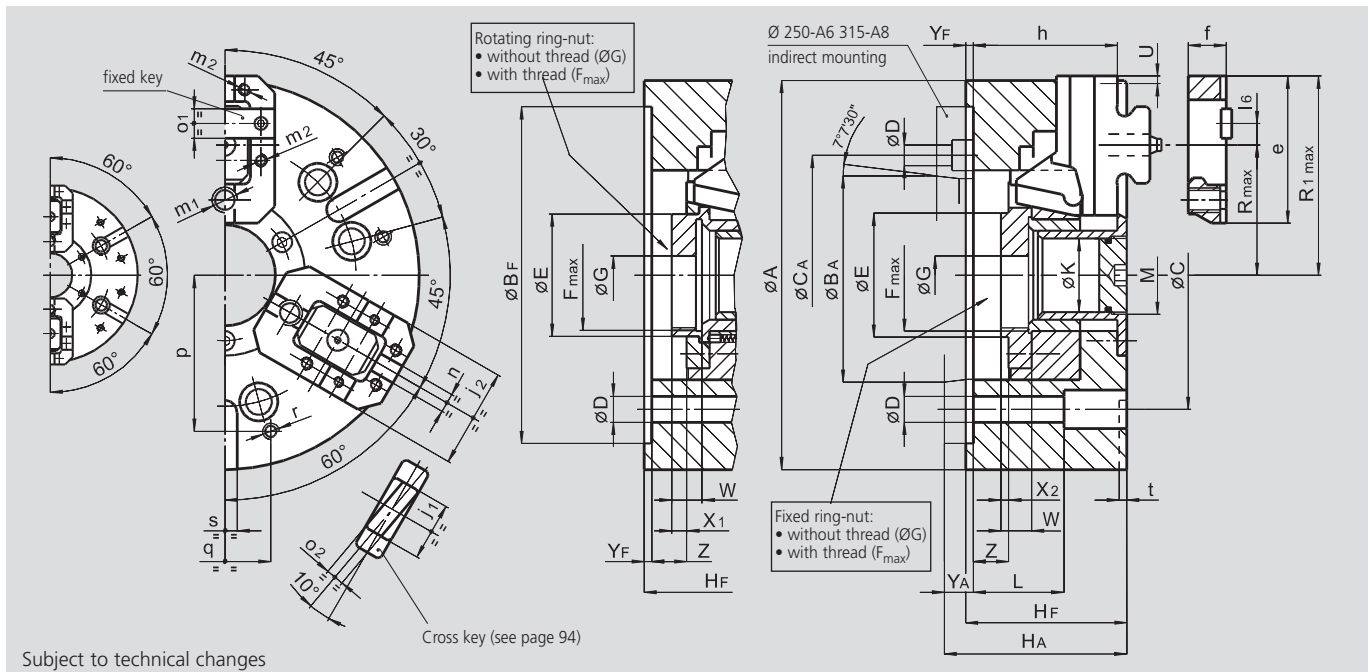
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Subject to technical changes

SMW-AUTOBLOK Type		BH-RM 165		BH-RM 210		BH-RM 250			BH-RM 315			
Mounting		Z140	A5	Z170	A6	Z220	A6	A8	Z300	A8	A11	
	A	mm	165	210		254			315			
	Bf/ BA H6	mm	140	82.563	170	106.375	220	106.375	139.719	300	139.719	196.869
	C	mm	104.8		133.4	171.4	-	171.4	235	-	235	-
	CA	mm	-	-	-	-	-	133.4	-	-	171.4	-
	D	mm	11.5		13.5		17			21		
	E	mm	56		67		78			111		
	Fmax	mm	M50 x 1.5		M60 x 1.5		M72 x 1.5			M102 x 2		
	G	mm	20		20		20			25		
	Hf/ HA	mm	75	85	92	104	105	124	119	111	136	127
	K	mm	26		36		48			66		
	L	mm	55		66		59			33		
	M	mm	M28 x 1.5		M38 x 1.5		M50 x 2			M68 x 2		
Chuck open	R1	mm	85		107		130			160		
max.	R	mm	55		70		85			105		
Stroke per jaw	U	mm	3.2		4		5			5		
	W	mm	14		16		18			20		
	X1	mm	11		11		11			12		
	X2	mm	5		5		6			7		
	Yf/ YA	mm	5	15	5	17	5	24	19	5	30	21
max./min.	Z	mm	15/0		19/0		24/0			24/0		
	e	mm	63		79		96			116		
	f	mm	19		22		25			25		
	h	mm	65		80		94			100		
	j1	mm	24		32		38			38		
	j2	mm	44		52		65			65		
	l6	mm	10		11		14			14		
	m1	mm	M10		M12		M16			M16		
	m2	mm	M5		M6		M8			M8		
	n H7	mm	7.94		7.94		12.7			12.7		
	o1 h7	mm	12.68		12.68		19.03			19.03		
	o2 h7	mm	9		9		12			12		
	p	mm	65		80		102			100		
	q	mm	36		45		60			60		
	r	mm	M8		M8		M10			M10		
	s H12	mm	16		16		16			20		
	t	mm	5		5		5			5		