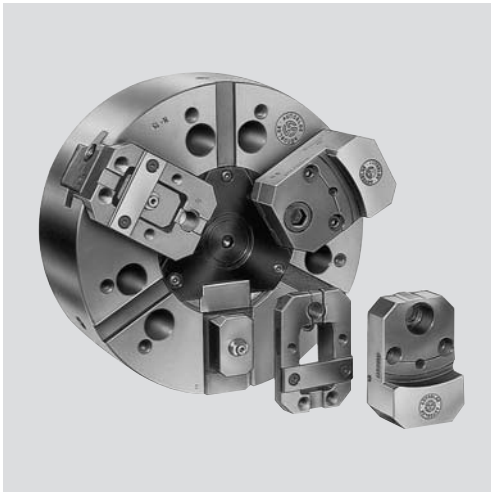


# AN-RM

Pallettized  
QUICK JAW CHANGE

## High precision power chucks Ø 165 - 400 mm

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



### Application/customer's benefit

For chucking parts. External or internal 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

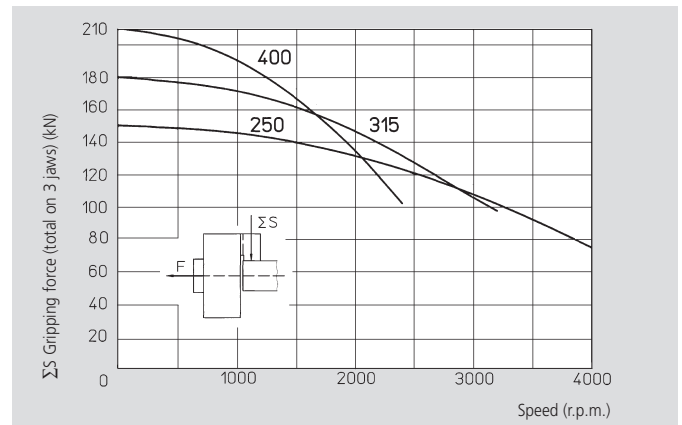
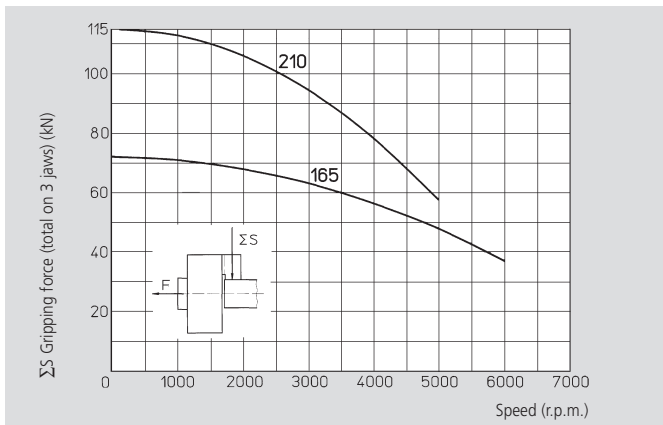
### Standard equipment

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

### Ordering example

2 jaw chuck AN-RM 250/Z220  
or  
3 jaw chuck AN-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		AN-RM 165		AN-RM 210		AN-RM 250		AN-RM 315		AN-RM 400	
Number of jaws		2	3	2	3	2	3	2	3	2	3
Radial jaw stroke	mm	3.6		4.4		5		6.3		7	
Axial piston stroke	mm	17		21		24		30		33	
Max. draw-pull	kN	17	25	25	38	33	50	40	60	50	70
Max. gripping force	kN	50	72	75	115	100	150	120	180	150	210
Max. speed*	r.p.m.	6000		5000		4000		3200		2400	
Mass (without pallets and top jaws)	kg	9.5		19		32		56		98	
Moment of inertia	kg · m <sup>2</sup>	0.032		0.15		0.26		0.69		1.9	
Max top jaw mass*	kg	0.55		0.8		1.45		2.4		3.5	
Recommended cylinders	kg	SIN-S 100		SIN-S 100/125		SIN-S 125/150		SIN-S 125/150		SIN-S 150/175	

\*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.

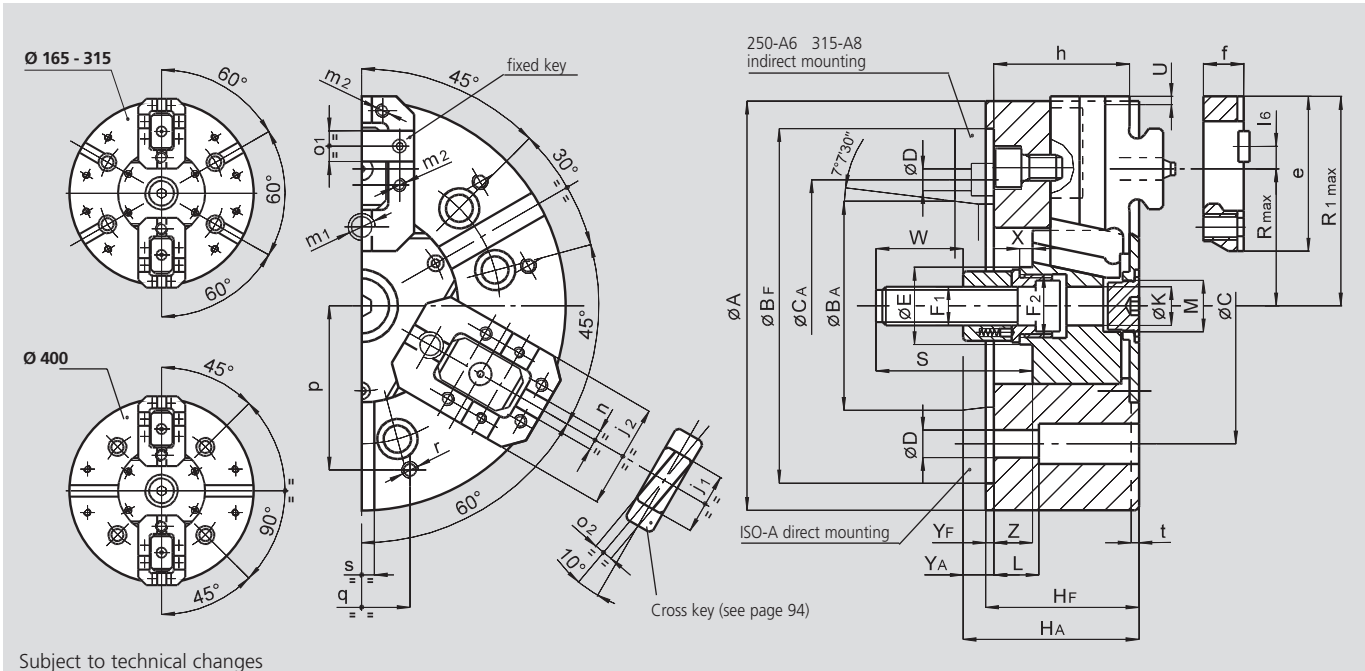


# High precision power chucks $\varnothing$ 165 - 400 mm

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

# AN-RM

Palletized  
QUICK JAW CHANGE



Subject to technical changes

SMW-AUTOBLOK Type		AN-RM 165		AN-RM 210		AN-RM 250			AN-RM 315		AN-RM 400	
Mounting		Z140	A5	Z170	A6	Z220	A6	A8	Z220	A8	Z300	A11
	<b>A</b>	mm 165		210		254			315		390	
	<b>Bf/ BA H6</b>	mm 140	82.563	170	106.375	220	106.375	139.719	220	139.719	300	196.869
	<b>C</b>	mm 104.8		133.4		171.4			171.4		235	
	<b>CA</b>	mm -		-		-			-		-	
	<b>D</b>	mm 11.5		13.5		13.5			17		21	
	<b>E</b>	mm 32		41		47			47		86	
	<b>F1</b>	mm M16		M20		M24			M24		M24	
	<b>F2</b>	mm M24 x 2		M32 x 1.5		M38 x 1.5			M38 x 1.5		M75 x 2	
	<b>Hf/ Ha</b>	mm 71	81	85	97	95	114	109	105	119	116	131
	<b>K</b>	mm 17		20		25			25		65	
	<b>L</b>	mm 23		32		28			38		54	
	<b>M</b>	mm M24 x 1.5		M32 x 1.5		M32 x 1.5			M38 x 1.5		M68 x 2	
Chuck open	<b>R1</b>	mm 86		107		130			160		196	
max.	<b>R</b>	mm 56		70		85			105		130	
	<b>S</b>	mm 104		97		103			103		105	
Jaw stroke	<b>U</b>	mm 3.6		4.4		5			6.3		7	
	<b>W</b>	mm 52		55		60			60		60	
	<b>X</b>	mm 17		8		8			8		8	
	<b>Yf/ Ya</b>	mm 5	15	5	17	5	24	19	5	19	6	21
max./min.	<b>Z</b>	mm 17/0		21/0		24/0			30/0		33/0	
	<b>e</b>	mm 63		79		96			116		138	
	<b>f</b>	mm 19		22		25			25		28	
	<b>h</b>	mm 61		74		84			94		104	
	<b>j1</b>	mm 24		32		38			38		46	
	<b>j2</b>	mm 44		52		65			65		75	
	<b>l6</b>	mm 10		11		14			14		14	
	<b>m1</b>	mm M10		M12		M16			M16		M20	
	<b>m2</b>	mm M5		M6		M8			M8		M10	
	<b>n H7</b>	mm 7.94		7.94		12.7			12.7		12.7	
	<b>o1 h7</b>	mm 12.68		12.68		19.03			19.03		19.03	
	<b>o2 h7</b>	mm 9		9		12			12		12	
	<b>p</b>	mm 65		80		102			120		150	
	<b>q</b>	mm 36		45		60			60		80	
	<b>r</b>	mm M8		M8		M10			M10		M12	
	<b>s H12</b>	mm 16		16		16			16		20	
	<b>t</b>	mm 5		5		5			5		5	