

AG-2G-C

Self centering
TONGUE & GROOVE

AG-2G-M

Self centering
METRIC SERRATION

High precision power chucks Ø 225 mm

- EXTRA large through hole
- Centrifugal force compensation
- 3 jaws
- proofline® chucks = fully sealed – low maintenance

Application/customer benefits

- For Workpieces with high demand for concentricity and parallelism
- Fully sealed and low maintenance = suitable for large batch production
- Ideal for dry machining or high pressure coolant

Technical features

- High radial and axial clamping accuracy
- Fully sealed / oil bath lubricated
- Centrifugal force compensation
- Gripforce can be regulated in process
- **proofline® chucks** = fully sealed – low maintenance

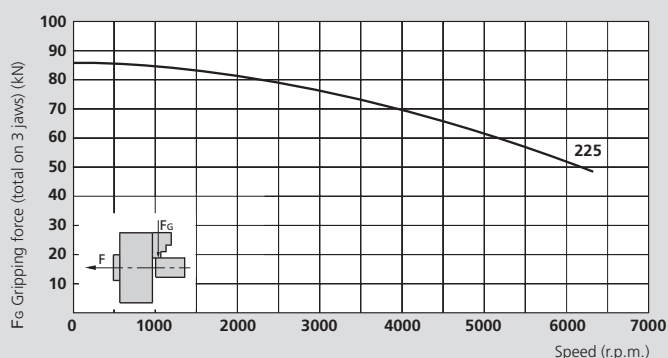
Standard equipment

3 jaw chuck with mounting bolts
Oil



proofline® series
fully sealed – low maintenance

Actual gripping force diagrams

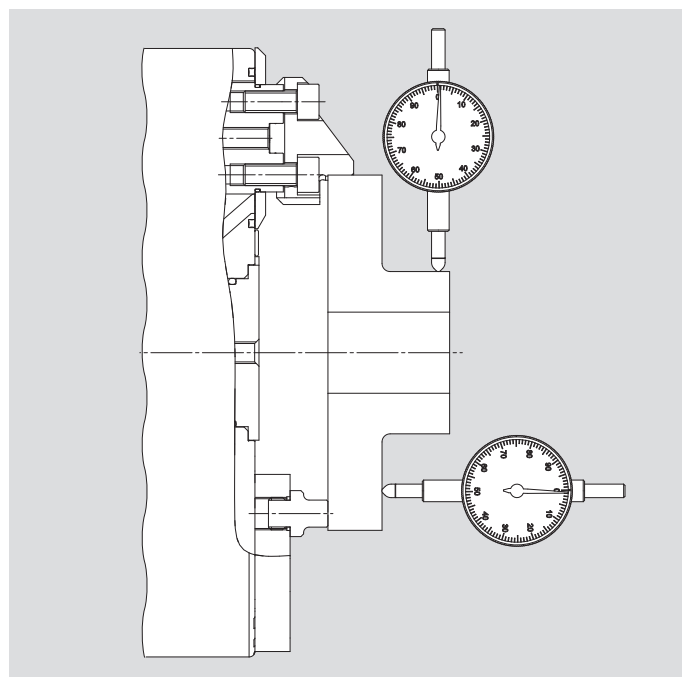


The data in the diagrams refer to 3 jaw chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K67 grease. The static and dynamic gripping forces have been measured using standard soft top jaws, placed in a position not exceeding the outer diameter of the chuck, with a weight of 0.84 kg / set.

⚠ Safety advice / danger of damage:

When using taller / heavier jaws and / or clamping on a bigger diameter reduce draw pull / rotating speed accordingly.

High radial and axial clamping accuracy

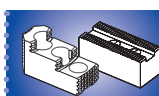


Technical data

SMW-AUTOBLOK Type		AG-2G-C 225	AG-2G-M 225
Number of jaws		3	3
Radial jaw stroke	mm	6	6
Axial piston stroke	mm	12.2	12.2
Max. draw pull	kN	52	52
Max. gripping force	kN	80	80
Max. speed	r.p.m.	6300	6300
Weight (without top jaws)	kg	27.5	27.5
Moment of inertia	kg·m ²	0.18	0.18
Recommended actuating cylinders		SIN-S 125 / 150	SIN-S 125 / 150
	Type	VNK-T2 130-52 / 150-67	VNK-T2 130-52 / 150-67



SMW-AUTOBLOK
438



SMW-AUTOBLOK
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SMW-AUTOBLOK
297

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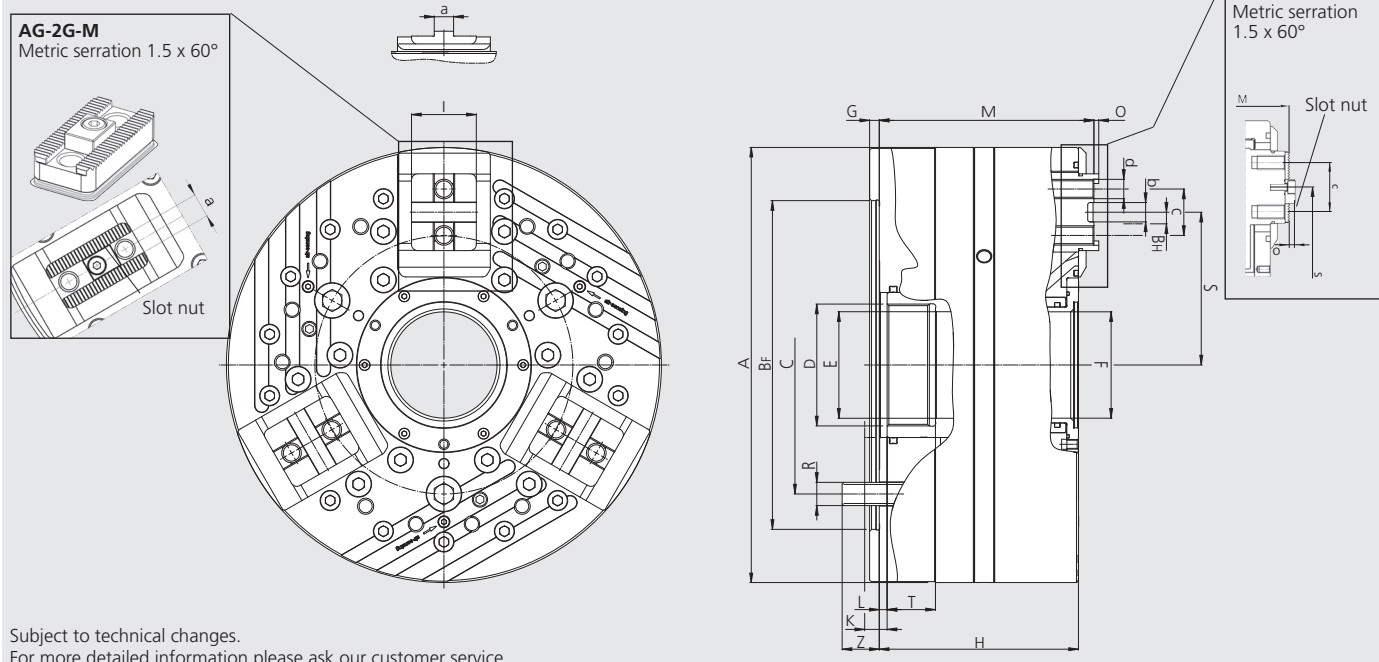
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Self centering
METRIC SERRATION

Chuck in open position = right end position

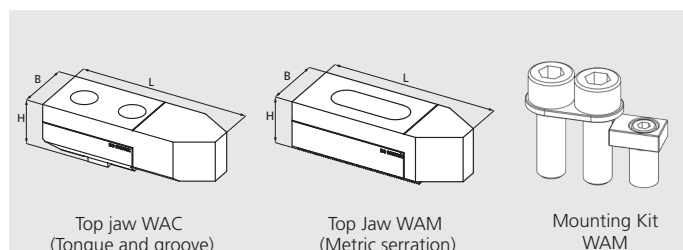


Subject to technical changes.

For more detailed information please ask our customer service.

SMW-AUTOBLOK Type			AG-2G-C 225	AG-2G-M 225
Id. No.			161700	161701
Mounting			Z170	Z170
	A	mm	225	225
	B _F	mm	170	170
	C	mm	133.4	133.4
	D		M63 x 1.5	M63 x 1.5
	E	mm	55.1	55.1
Through hole	F	mm	55	55
	H	mm	103	103
	I	mm	33.5	33.5
Piston stroke	K	mm	12.2	12.2
Piston position min.	L	mm	- 4.35	- 4.35
Piston position max.	L	mm	+ 7.85	+ 7.85
	M	mm	111	111.4
	N		5	5
	O	mm	2.5	2.1
	R		M12 (3 x 120°)	M12 (3 x 120°)
Max.	S	mm	79	79
Min.	S	mm	73	73
	T	mm	25	25
	Z	mm	19.2	19.2
	a	mm	10	10
	b	mm	10	-
	c	mm	24	24

Top jaws for AG-2G



SMW-AUTOBLOK Type	AG-2G-C 225	AG-2G-M 225
Jaw type	WAC	WAM
Id. No. / set	on request	on request
Mounting Kit (only WAM) / set		
Length L		
Width B		
Height H		
Kg / set		