

# AG-2G-C

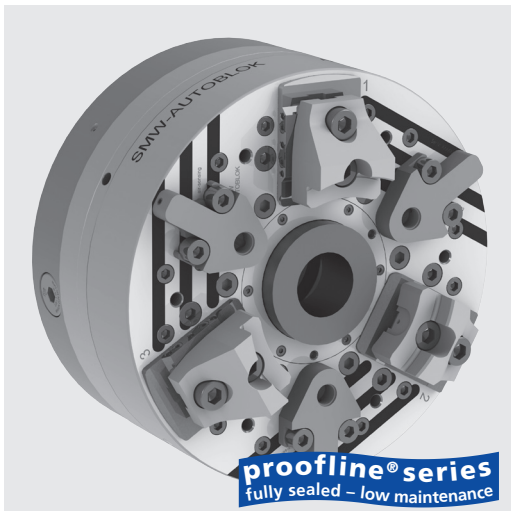
Self centering  
Tongue & groove

# 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

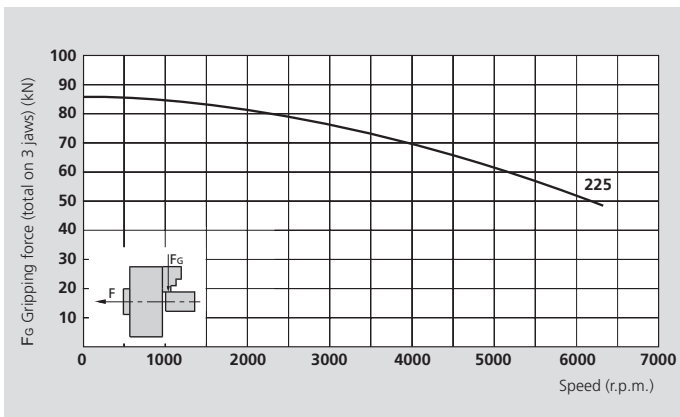
### Technical features

- 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

## Actual gripping force diagrams

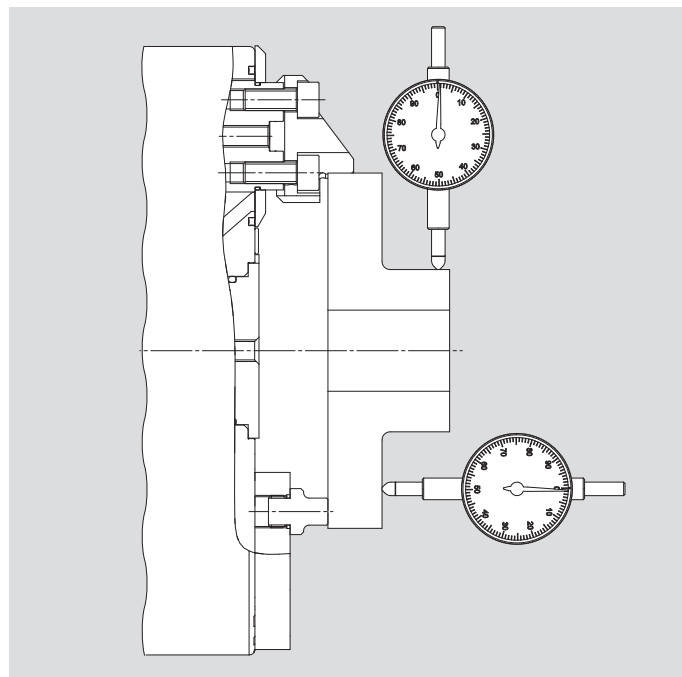


The data in the diagrams refer to 3-jaw-chucks, newly maintained according to their service manuals using SMW-AUTOBLOK K67 grease. The static and dynamic gripping forces have been measured using standard soft top jaws, placed in a position not exceeding the outer diameter of the chuck, with a weight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

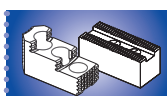


## Technical data

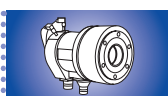
SMW-AUTOBLOK Type		AG-2G-C 225	AG-2G-M 225
<b>Number of jaws</b>		<b>3</b>	<b>3</b>
<b>Radial jaw stroke</b>	mm	6	6
<b>Axial piston stroke</b>	mm	12.2	12.2
<b>Max. draw pull</b>	kN	52	52
<b>Max. gripping force</b>	kN	80	80
<b>Max. speed</b>	r.p.m.	6300	6300
<b>Weight (without top jaws)</b>	kg	27.5	27.5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



SMW-AUTOBLOK 390



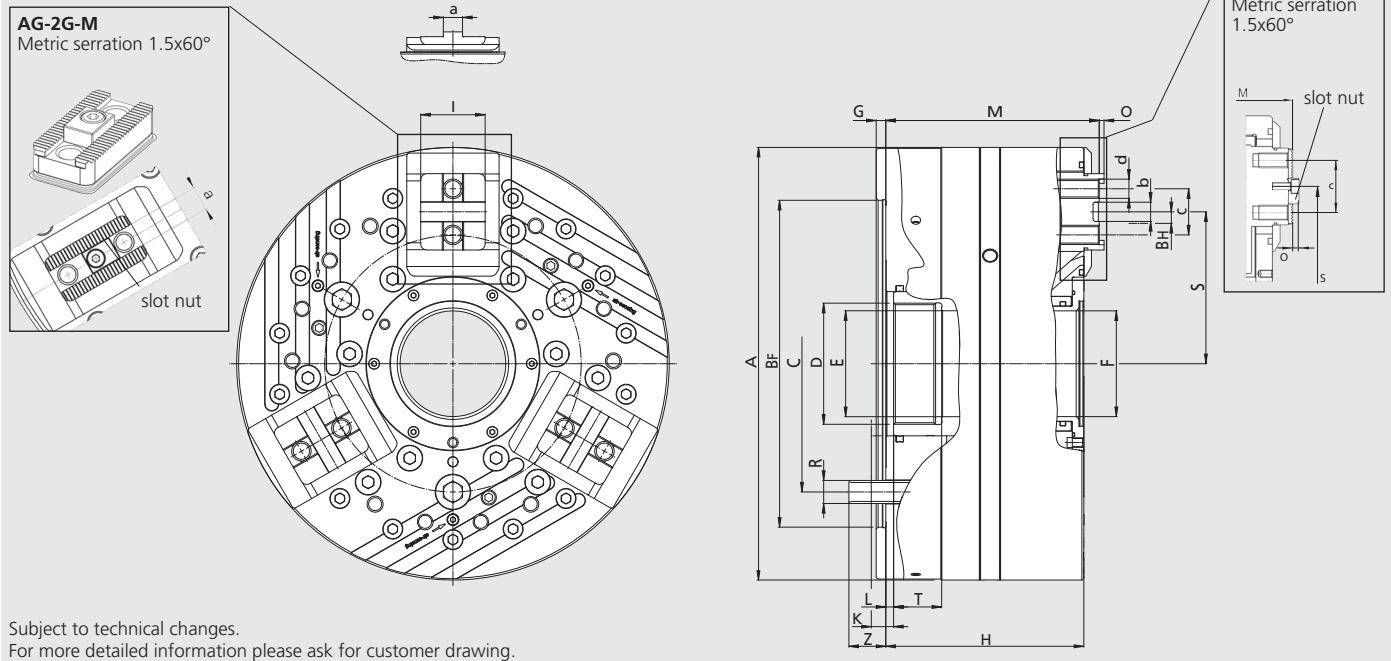
SMW-AUTOBLOK 91



SMW-AUTOBLOK 259

## Main dimensions and technical data

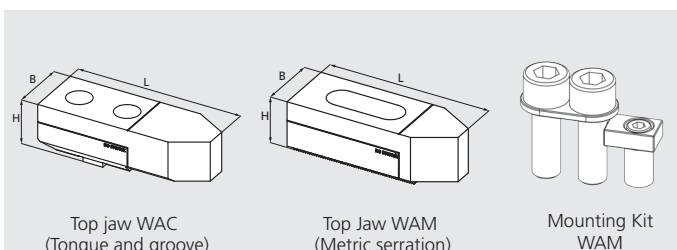
Chuck in open position = right end position



Subject to technical changes.  
For more detailed information please ask for customer drawing.

SMW-AUTOBLOK Type			AG-2G-C 225	AG-2G-M 225
Id. No.			161700	161701
Mounting			Z170	Z170
	A	mm	225	225
	Bf	mm	170	170
	C	mm	133.4	133.4
	D		M63x1.5	M63x1.5
	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 (3x120°)	M12 (3x120°)
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		