

BIG BORE® BB-AZ2G

INCH SERRATION

Front-end pneumatic power chuck EXTRA large through-hole Ø 275 - 560 mm

- Chuck size 685 - 1000
- Self-centering or compensating clamping
- Chuck with EXTRA long rapid and clamping stroke - 3 jaws

Application/customer benefits

- End machining of straight or bent pipes
- Tubes can be clamped self-centering or with radial jaw compensation at bent pipes, using a retractable centering chuck
- Full spindle bore can be used
- Stroke control for each jaw
- EXTRA long rapid and clamping stroke (1 1/2" total)
- Pressure control

Technical features

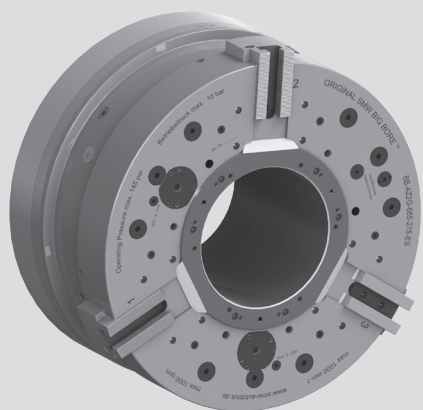
- Air chuck with built-in pneumatic cylinders for self-centering or compensating clamping mode
- Air feed for both functions via distributor ring and SMW-AUTOBLOK profile seals at stopped spindle
- Built-in non-return valves maintain the air pressure during machining
- EXTRA long rapid and clamping stroke
- For external clamping only

Standard equipment

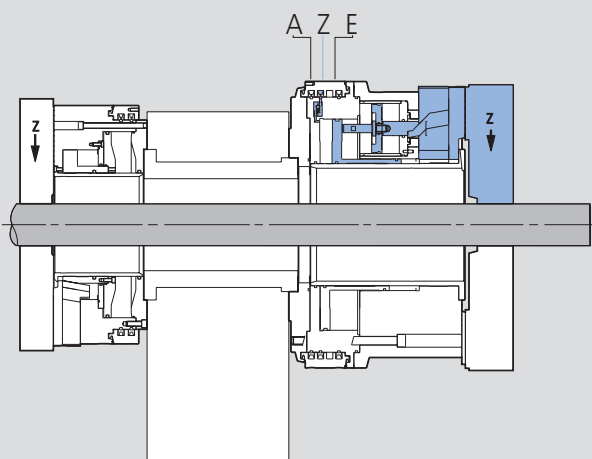
Chuck with mounting bolts
1 set of T-nuts with bolts

Ordering example

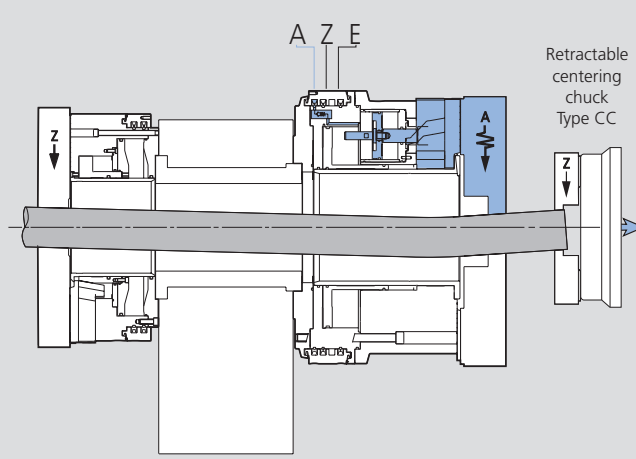
Big Bore BB-AZ2G 685-275- A15



Self-centering clamping



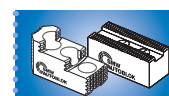
Compensating clamping



Technical data

SMW-AUTOBLOK Type		BB-AZ2G 685-275	BB-AZ2G 740-330	BB-AZ2G 800-390	BB-AZ2G 1000-560
Through-hole	mm (inch)	275 (10.83")	330 (13")	390 (15.35")	560 (22.05")
Total stroke per jaw	mm (inch)	38.1 (1 1/2")	38.1 (1 1/2")	38.1 (1 1/2")	38.1 (1 1/2")
Rapid stroke per jaw*	mm (inch)	28.7 (1.13")	28.7 (1.13")	28.7 (1.13")	28.7 (1.13")
Clamping stroke per jaw	mm (inch)	9.4 (0.37")	9.4 (0.37")	9.4 (0.37")	9.4 (0.37")
Operating pressure min. / max.	bar (psi)	2 / 10 (29 / 145)	2 / 10 (29 / 145)	2 / 10 (29 / 145)	2 / 10 (29 / 145)
Piston area	cm²	1333	1344	1505	1570
Gripping force at 6 bar self-centering	kN (lbf)	160 (35969)	160 (35969)	180 (40466)	180 (40466)
Gripping force at 6 bar compensating	kN (lbf)	90 (20233)	90 (20233)	90 (20233)	90 (20233)
Max. speed	r.p.m.	1000	850	750	500
Air consumption / jaw stroke at 6 bar					
Centering	liter	57	57	63	66
Compensating	liter	72	71	76	76
Open	liter	27	27	27	27
Weight (without top jaws)	kg (lbs)	800 (1764)	875 (1929)	1000 (2204)	1420 (3131)
Moment of inertia	kg·m²	51.5	68.4	90.5	221.4
Compensating stroke	mm (inch)	± 3.5 (0.14")	± 3.5 (0.14")	± 3.5 (0.14")	± 3.5 (0.14")

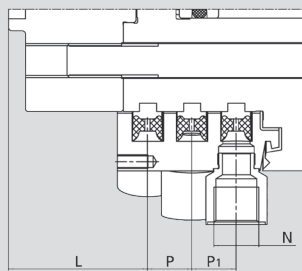
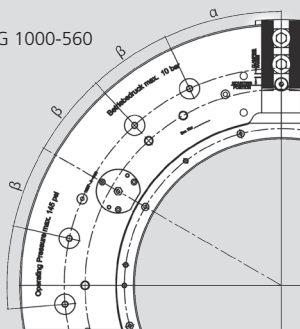
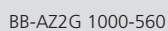
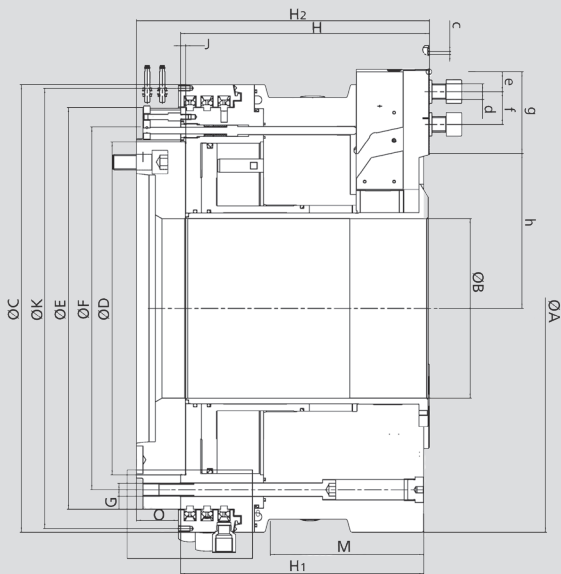
* May not be used for clamping.



SMW-AUTOBLOK
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INCH SERRATION

Technical drawing of the 3000 Series Pig Launcher, showing a top-down view of the circular launcher body with various ports, valves, and a central pig launcher assembly. The drawing includes labels for "ORIGINAL 3000 PIG BODIES", "Operating Pressure max. 10 bar", "max. 1000 psi", and "max. 1000 psi". It also shows a cross-section of the pig launcher assembly with labels "a" and "b".



All hoses must be min. 3/4" I.D.

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