

BIG BORE® BB-AZ-ES

INCH serration

Front-end pneumatic power chucks

Ø 220 - 370 mm

- EXTRA LARGE THROUGH HOLE
- self centering or compensating clamping
- chuck with rapid and clamping stroke



Application/customer benefits

- End machining of straight or bent pipe
- Tubes can be clamped self centering or with radial jaw compensation at bent pipe, using a retractable centering chuck
- Full spindle bore can be used

Technical features

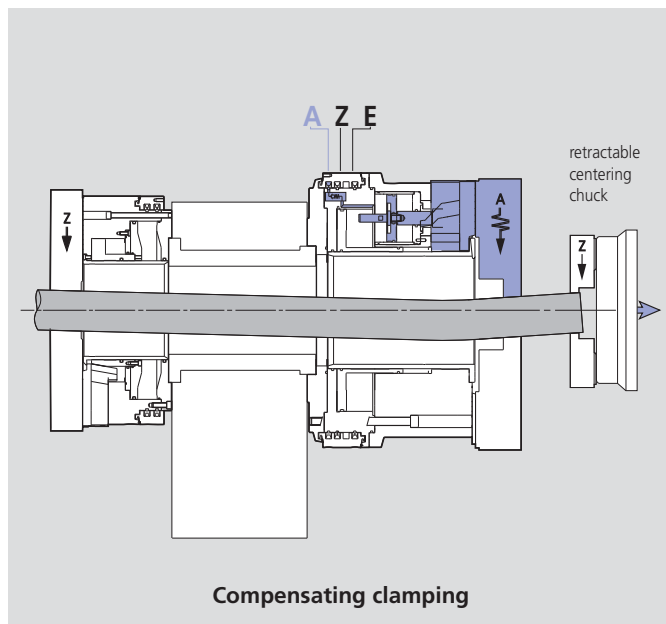
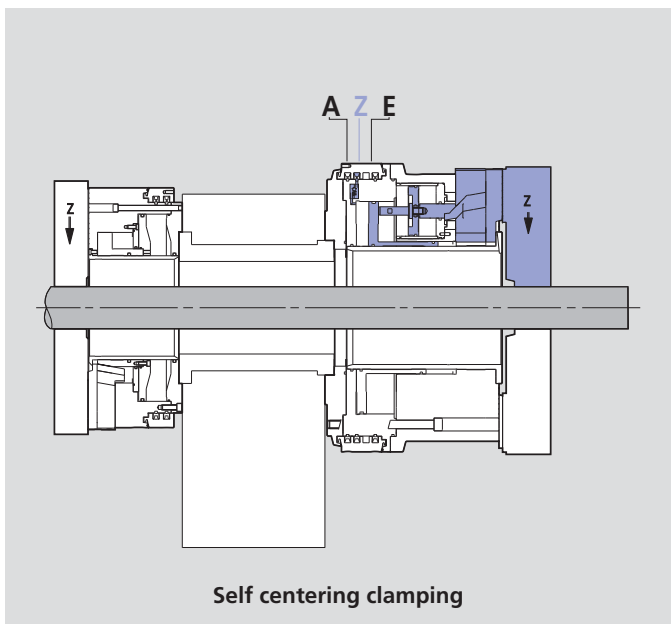
- Air chuck with built-in pneumatic cylinders for self centering or compensating clamping mode
- Air feed for both functions via distributor ring and SMW-AUTOBLOK profile seals at stopped spindle
- Built-in non return valves maintain the air pressure during machining
- Rapid and clamping stroke
- For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

Standard equipment

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

Ordering example

Big Bore BB-AZ-ES 630-270-3 A15



Technical data

SMW-AUTOBLOK Type		BB-AZ-ES 590-220	BB-AZ-ES 630-275	BB-AZ-ES 750-370
Through-hole	mm	220	275	370
Total stroke per jaw	mm	25.4	25.4	25.4
Rapid stroke per jaw*	mm	16	16	16
Clamping stroke per jaw	mm	9.4	9.4	9.4
Operating pressure min./max.	bar	2	2	2
Piston area	cm ²	991	1333	1505
Gripping force at 6 bar self centering	kN	160	181	240
Gripping force at 6 bar compensating	kN	78	100	100
Max. speed	r.p.m.	1100	1000	750
Weight (without top jaws)	kg	548	704	900
Moment of inertia	kg·m ²	25.3	44.2	78

*must not be used for clamping

