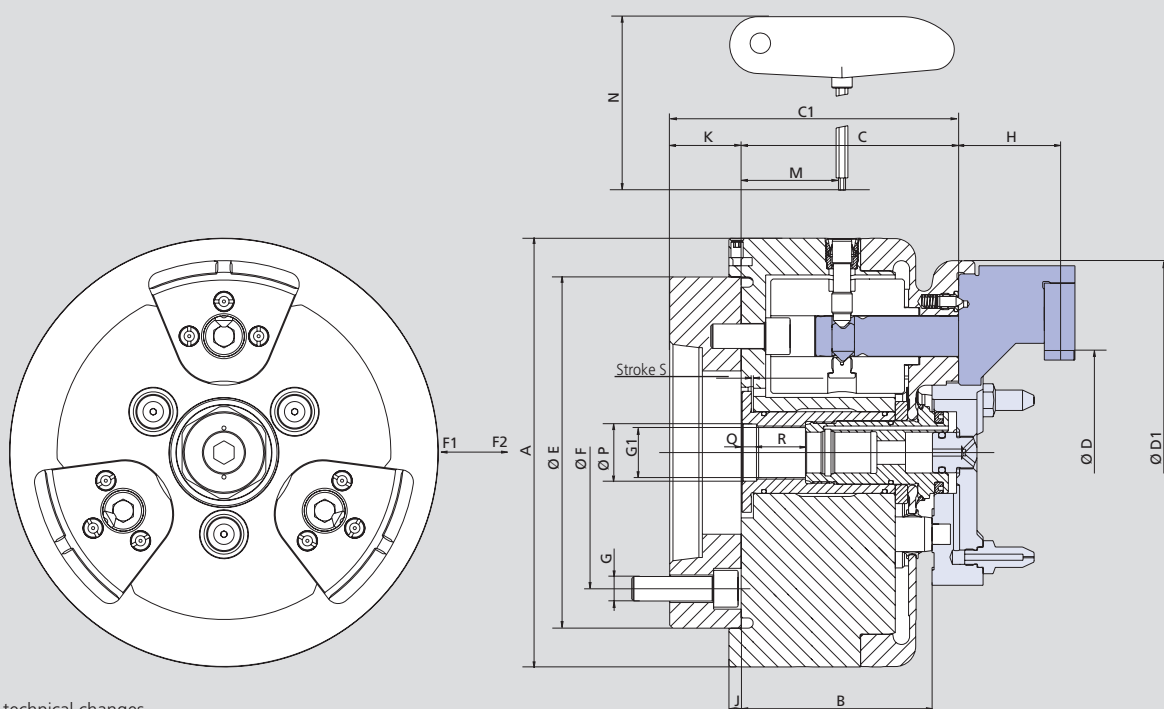


Type D

Diaphragm chuck
QUICK JAW CHANGE SYSTEMS

Main dimensions and technical data



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

SMW-AUTOBLOK Type			D-210		D-260		D-315
Mounting	Size		A5	A6	A6	A8	A8
	A	mm	210		260		315
	B	mm	93.5		108		111
	C	mm	106.5		120		125
	C1	mm	146.5		156		173
Clamping range min./max.	D	mm	20-175		40-220		60-275
	D1	mm	188		227		275
	E	mm	172		172	225	220
	F	mm	104.8	133.4	133.4	171.4	171.4
	G		M10	M12	M12	M16	M16
	G1		M26 x 1.5		M26 x 1.5		M30 x 1.5
Jaw height	H	mm	52		57		62
	J	mm	6		6		6
	K	mm	40		48		48
	M	mm	49.4		53		57
	N	mm	185		185		185
	P H6	mm	28		28		32
	Q	mm	7		7		7
	R	mm	24		24		29.5
Piston stroke	S	mm	1.0		1.5		1.7
Jaw stroke at distance H			1.0		1.1		1.2
Draw pull min./max.*	F1	kN	0-25		0-25		0-25
Draw pull for chuck open	F2	kN	30		30		30
Moment of inertia		kg·m ²	0.16		0.45		0.75
Weight without top tooling		kg	30		44		60
Recommended actuating cylinders	Type		SIN-DFR		SIN-DFR		SIN-DFR

*Additional actuation force to the diaphragm spring clamping force applied by the clamping cylinder.

Advice: The max. allowed speed for the application is permanently marked on the corresponding top jaws and must not be exceeded.

Advice: Please note, that it is important, that the cylinder force for pushing and pulling can be set to different values independently!

Important: Never rotate the chuck without inserted jaws, otherwise the centrifugal force compensation mechanism will get damaged.

Diaphragm chuck QUICK JAW CHANGE SYSTEMS

- ## Jaws

External clamping

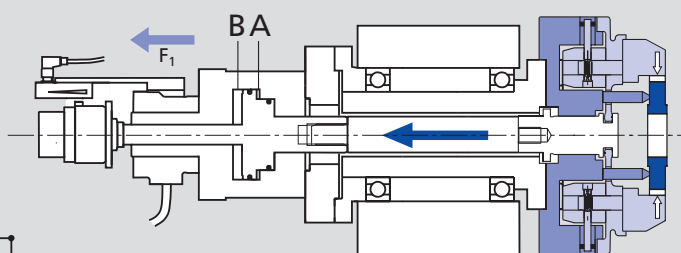
Jaws

Pitchline clamping with roller cage

Jaws

Pitchline clamping with clamping pin

IMPORTANT:
Pressure regulators have to be installed!



F_G = total clamping force
 F_M = diaphragm clamping force
 F_Z = additional clamping force applied by the actuating cylinder
 $F_G = F_M + F_Z$