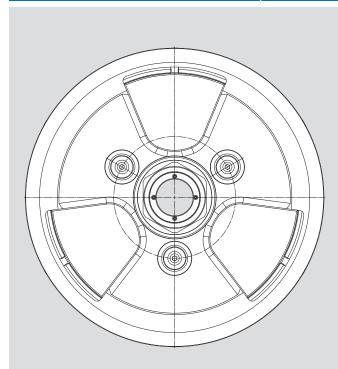
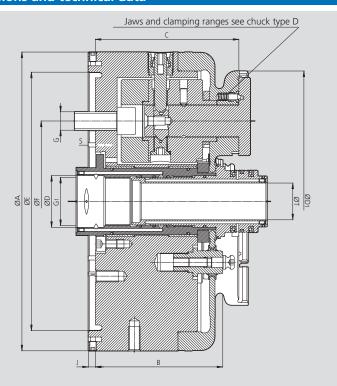
Open center diaphragm chuck

Diaphragm chuck **QUICK JAW CHANGE SYSTEMS**

■ Main dimensions and technical data





Subject to technical changes.

For more detailed information please ask our customer service.

SMW-AUTOBLOK Type			D-PLUS 260	D-PLUS 315		
Mounting		Size	225	275		
	Α	mm	260	315		
	В	mm	111	111		
	C	mm	125	125		
	D1	mm	227	275		
	E	mm	225	275		
	F	mm	140	171.4		
	G		M16	M16		
	G1		M42 x 1.5	M60 x 1.5		
	J	mm	6	6		
	P H6	mm	45	63		
Piston stroke	S	mm	1.5	1.5		
Through-hole	Т	mm	32	50		
Draw pull min. / max.*	F1	kN	0-25	0-30		
Draw push for chuck open	F2	kN	25	30		
Moment of inertia		kg·m²	0.45	0.75		
Weight without top tooling		kg	44	65		
Recommended actuating cylinders Type			SIN-DFR	SIN-DFR		

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

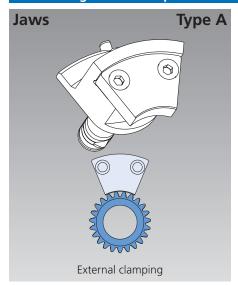
The max. allowed speed for the application is permanently marked on the corresponding top jaws and must not be exceeded. Advice: Please note, that it is important, that the cylinder force for pushing and pulling can be set to different values independently!

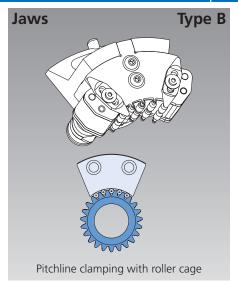
Important: Never rotate the chuck without inserted jaws, otherwise the centrifugal force compensation mechanism will get damaged.

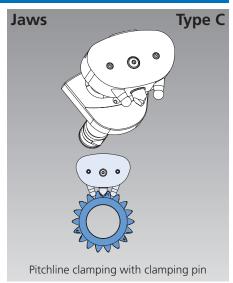
D-PLUS

- Radial O.D. or pitch line clamping
- With central bore
- **■** Centrifugal force compensation

Diaphragm chuck
QUICK JAW CHANGE SYSTEMS







Actuating cylinder SIN-DFR for diaphragm chuck Type D-PLUS

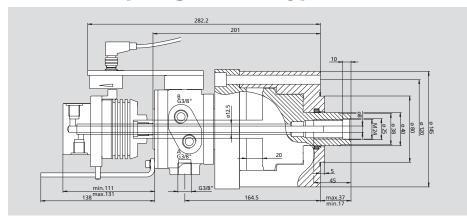
Technical features

- Special cylinder to actuate the diaphragm chuck
- Large / small piston area for opening / clamping
- Rotary unions for 1 or 2 media
- Linear positioning system LPS 4.0 to monitor the piston stroke

Standard equipment

• Cylinder with kit for LPS 4.0 installation without LPS 4.0 position sensor

LPS 4.0 see total catalog page 343



SIN-DFR-LPS 4.0 for rotary union 1 medium Id. No. 046914 (without rotary union*) SIN-DFR-LPS 4.0 with rotary union 2 media Id. No. 046887 (rotary union 2 media included)

Piston	Piston surface Pressure		pull	push	Speed	Leakage	Weight	Moment	Weight of	Weight of	
Α	В	Α	В	min. / max.	min. / max.	max.	at 30 bar / 50°C	cylinder	of	rotary union	rotary union
pull	push	min. / max.			(36 bar max.)				inertia	1 medium	2 media
cm ²	cm²	bar	bar	kN	kN	r.p.m.	dm³ / min	kg	kg∙m²	kg	kg
21	74	3 - 70	3 - 36	0.6 / 14	2.2 - 27	7000	1.5	9	0.016	0.4	1.5

^{*} To be ordered seperately!

