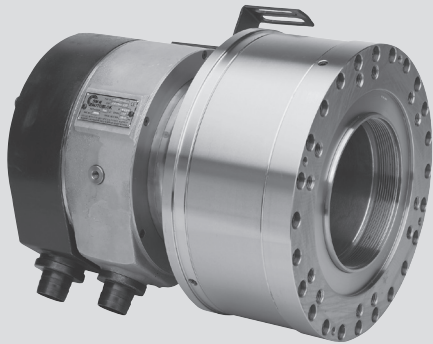


- Up to 30 bar
- EXTRA large through-hole  $\varnothing$  165 - 204 mm
- Stroke control via proximity switch



### Application/customer benefits

- Actuation of EXTRA large through-hole power chucks
- Clamping of very big and long components

### Technical features

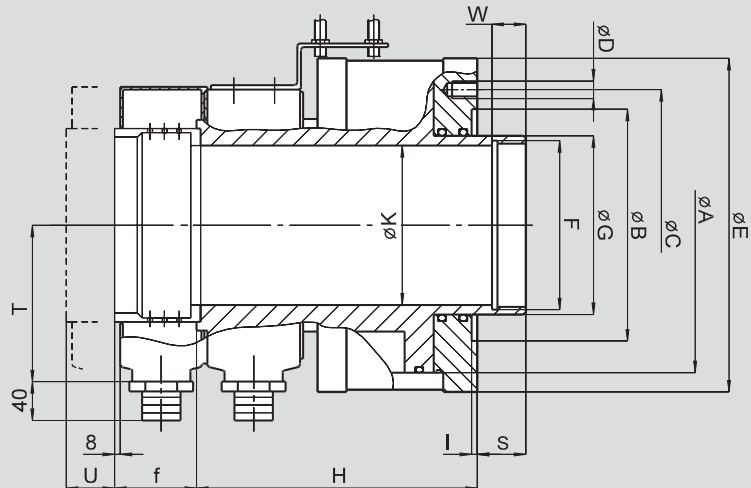
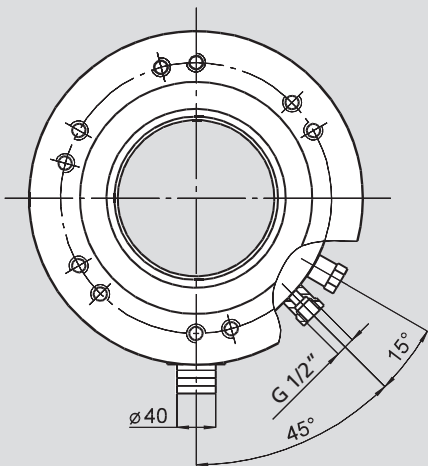
- Short design / low mass / low power consumption
- Pressure range 8 - 30 bar
- EXTRA large through-hole
- Horizontal installation only
- Mounting from the front side into tapped holes
- A 10  $\mu$ m filter in pressure line is requested
- Use Oil HM32 ISO 3448

### Standard equipment

Open center hydraulic cylinder with coolant collector CP1  
Bracket for proximity switches (for stroke control)  
Without proximity switches and mounting bolts

### Ordering example

Open center hydraulic cylinder VSG 450-165  
or  
Open center hydraulic cylinder VSG 550-205



Subject to technical changes.  
For more detailed information please ask our customer service.

## Dimensions

SMW-AUTOBLOK Type	Id. No.	A	B	C	D	E	F	G	H	I	K	S	T	U stroke	W	f
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
VSG 450-165	33094130	305	240	280	6 x M16	345	M175 x 3	185	290	6	165	50	162	51	35	85
VSG 550-205	33094135	350	280	320	6 x M20	390	M215 x 3	228	314	6	204	50	200	51	35	85

## Technical data

SMW-AUTOBLOK Type	Piston area		Max. pressure bar	Draw pull (at 25 bar) kN	Oil leakage* dm <sup>3</sup> /min.	Max. speed r.p.m.	Weight kg	Moment of inertia kg·m <sup>2</sup>
	Pull cm <sup>2</sup>	Push cm <sup>2</sup>						
VSG 450-165	460	350	30	115	9	2000	100	1.4
VSG 550-205	550	405	30	137	10	1600	135	2.4

\* Total at 30 bar / 50 °C / max. speed / oil HM32 ISO 3448.

**Important:** On higher pressure the leakage increases proportionally. On higher oil temperature the leakage increases over proportionally (the use of an oil cooler is recommended). When designing / checking the hydraulic unit please ask for our data sheets.