

- EXTRA LONG STROKE
- up to 70 bar
- central bore for air, coolant or oil
- stroke control via proximity switch or linear positioning system

# SIN-L

Closed center  
rotating cylinder



### Application/customer benefits

- Actuation of power chucks or clamping devices requesting a very long stroke, for example the SMW-AUTOBLOK retractable jaw chuck type W or GSA

### Technical features

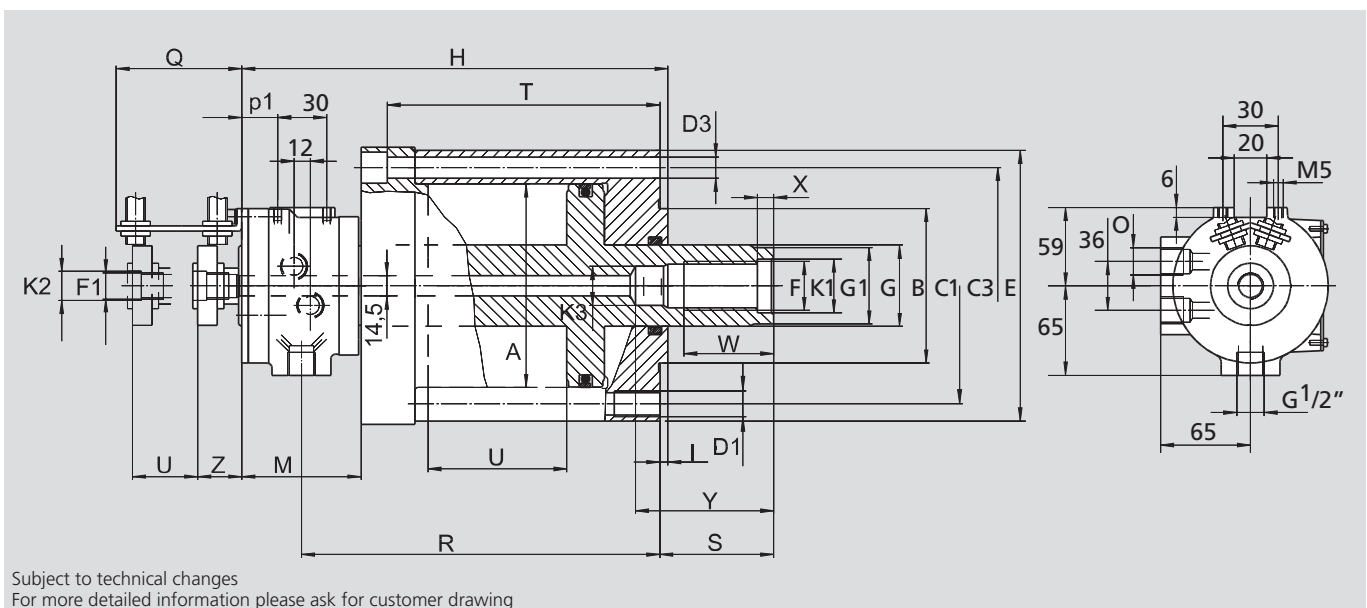
- Extra long stroke
- Pressure range 8–70 bar
- Horizontal or vertical installation
- Safety valves and excess pressure relief valve
- Central bore for coolant, oil or air with thread for rotary union
- Mounting from the rear side with bolts
- Stroke control via proximity switch or linear positioning system
- A 10 µm filter in pressure line is requested.
- Use oil HM32 ISO 3448

### Standard equipment

Closed center cylinder with stroke control and mounting bolts  
Proximity bracket (without proximity switch)

### Ordering example

Closed center cylinder SIN-L 125  
or closed center cylinder SIN-L 150  
with rotary union (optional)



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

## Dimensions and technical data

SMW-AUTOBLOK Type	Id. No.	A mm	B h6 mm	C3 mm	D3 (6x60°) mm	E mm	F mm	F1 mm	G mm	G1 with flats mm	H mm	I mm	K1 H7 mm	K2 j6 mm	K3 H8 mm	M mm	O inch	Q mm	R mm	S max. mm
SIN-L 100	33093910	100	80	120	11	140	M24	M16 x1.5 LH	40	38	231	5	25	18	18	73	G3/8"	107	190	85
SIN-L 125	33093912	125	95	145	13	170	M30	M16 x1.5 LH	40	38	266	5	31	18	24	93	G1/2"	133	221	100
SIN-L 150	33093915	150	95	170	13	196	M36	M16 x1.5 LH	50	48	287	5	37	18	28	97	G1/2"	133	238	120
SIN-L 175	33093917	175	125	195	13	221	M36	M16 x1.5 LH	50	48	292	5	37	18	28	97	G1/2"	133	243	115

SMW-AUTOBLOK Type	T mm	U mm	W mm	X mm	Y mm	Z min. mm	p1 mm	Piston area pull cm <sup>2</sup>	Piston area push cm <sup>2</sup>	Max. pressure bar	Pull/push (at 70 bar) kN	Oil* leakage dm <sup>3</sup> /min.	Max. speed r.p.m.	Weight kg	Moment of inertia kg·m <sup>2</sup>
SIN-L 100	139	67	45	10	72	32	22	66	74	70	46/52	2	7000	13.5	0.031
SIN-L 125	161	80	55	10	75	27	37	107	107	70	75/75	2	4500	21	0.132
SIN-L 150	176	95	55	10	75	27	41	153	153	70	107/107	2	4500	28	0.143
SIN-L 175	181	95	55	10	75	27	41	216	216	70	151/151	2	4000	37	0.173

\*Total at 30 bar and 50°C

### SIN-L cylinder with W or GSA retractable jaw chuck with spring loaded face driver

