


Standard-cylinder series

Piston rod cylinder, **anti-rotation**

Piston DIA from 32 - 125 mm

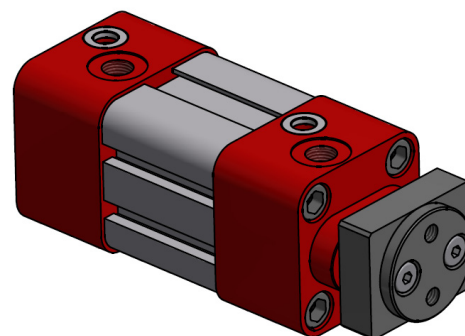
Typ: TQZ-S3



General data	
Design:	double acting
Stroke:	any up to 2000 mm others on request
Nominal pressure:	p_n 6 bar
Working pressure:	p_{min} 0,5 bar P_{max} 10 bar
Temperature range:	Environment: -20°C to +80°C Medium: max +80°C extended temperature ranges on request High temperature up to 150 ° C Low temperature down to -40 ° C
Medium:	filtered and oiled compressed air, filtered and unlubricated compressed air
Connection type:	screw thread
Mounting position:	possible
Fixing type:	possible
 ATEX:	any

Material	
Cover:	Aluminum, red anodized
Ground:	Aluminum, red anodized
Profile tube:	Aluminum, anodized
Piston:	aluminum
Piston rod:	Steel, hard chrome-plated
anchor bolts:	stainless steel
screw nut:	Galvanized steel
Flange:	stainless steel

Scope of delivery
<p>The cylinder is always supplied with a piston magnet. Thus, a position detection via magnetic switches, the on the T-profile or dovetail grooves of the Cylinder can be attached, always possible. The magnetic switches are not included in the scope of delivery, please order separately.</p>



variants

- Precisely adjustable end position cushioning
 - Flange connection
 - one-sided air connection, also on the front
 - through piston rod
 - Metal scraper
 - Pivot bearing pin on the lid or bottom
 - Pivot bearing bores on the lid or bottom
 - High temperature
 - Low temperature
 - for outdoor use
 - Displacement measuring system
 - Smooth running property
Breakaway pressure, e.g. < 0,07 bar
 - Etc
- Lid and base are made of solid material, so almost every variant and special solution is possible

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drawing

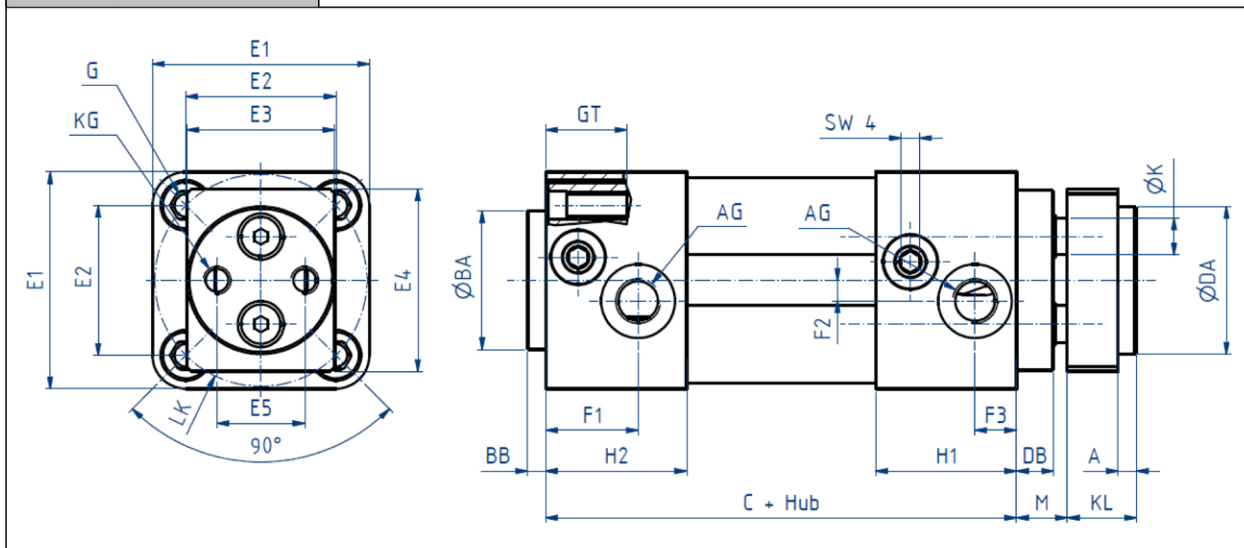


Table with dimensions

Art.-no.	Cyl. ø	A	AG	øBA d11	BB	C (+Hub)	øDA d11	DB	E1	E2	E3	E4	E5	F1	F2	F3	G	GT
ZK2100-S3	32	4	1/8	30	4	102	32	8	47	32,5	32	39,5	19	20	4,5	9	M6	17,5
ZK2101-S3	40	4	1/4	35	4	112	40	12	55	38	40	45	22,5	14,5	5,3	12,5	M6	17,5
ZK2102-S3	50	5	1/4	40	4	117	50	13	65	46,5	50	55	30	16	8,5	12,5	M8	17,5
ZK2103-S3	63	5	3/8	45	4	125	63	11	78	56,5	63	69,5	38	16	8	12,5	M8	17,5
ZK2104-S3	80	5	3/8	45	4	136	80	13	95	72	80	95	50	20,5	9	17,5	M10	19,5
ZK2105-S3	100	5	1/2	55	4	143	100	13	115	89	100	115	70	19	13	17,5	M10	19,5
ZK2106-S3	125	5	1/2	60	5	171	125	-	140	110	125	140	85	20	11	21	M12	22,5

Art.-no.	Cyl. ø	H1	H2	øK	KG	KL	øLK ±0,2	M
ZK2100-S3	32	30,5	30,5	8	M6	15	46,0	11
ZK2101-S3	40	34	34	10	M8	15	53,7	15
ZK2102-S3	50	35	31	12	M8	18	65,8	16
ZK2103-S3	63	37	33	16	M10	22	79,9	14
ZK2104-S3	80	35	35,5	20	M12	22	101,8	16
ZK2105-S3	100	35	37	20	M12	22	125,9	16
ZK2106-S3	125	45	45	25	M12	25	155,6	24

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Service

All cylinders are checked for leaks and functionality before dispatch. This test ensures that the cylinders are in perfect condition upon receipt so that they can be installed immediately.

Warranty

Konstandin GmbH guarantees the faultless condition concerning material and fashioning of the delivered products. The warranty period and responsibility are established in legal rights.

On sealing elements and wear parts we give a six-month warranty (from delivery) provided the cylinder is used in accordance with the conditions described.

The intended use is only given if the cylinder complies with the technical data for Movement of loads and / or exertion of a force in the direction of the piston rod is used.

The responsibility for resend cylinder is explicitly limited on replacement and repair of the union or parts of it, which are definitely faulty.

Konstandin GmbH is not responsible for damaging after effects, which can result out the usage of such faulty elements. The warranty goes out in case the rotary union has been dismounted, changed or damaged because of improper treatment.