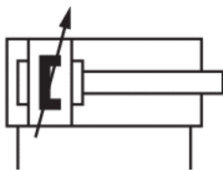


Tie rod cylinder ISO 6431, Series 167

- Ø 25-100 mm
- Ports G 1/8 G 1/4 G 3/8 G 1/2
- double-acting
- with magnetic piston
- Cushioning pneumatically adjustable
- Piston rod External thread



Standards	ISO 6431
Compressed air connection	Internal thread
Working pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-20 ... 75 °C
Medium temperature min./max.	-20 ... 75 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6 bar



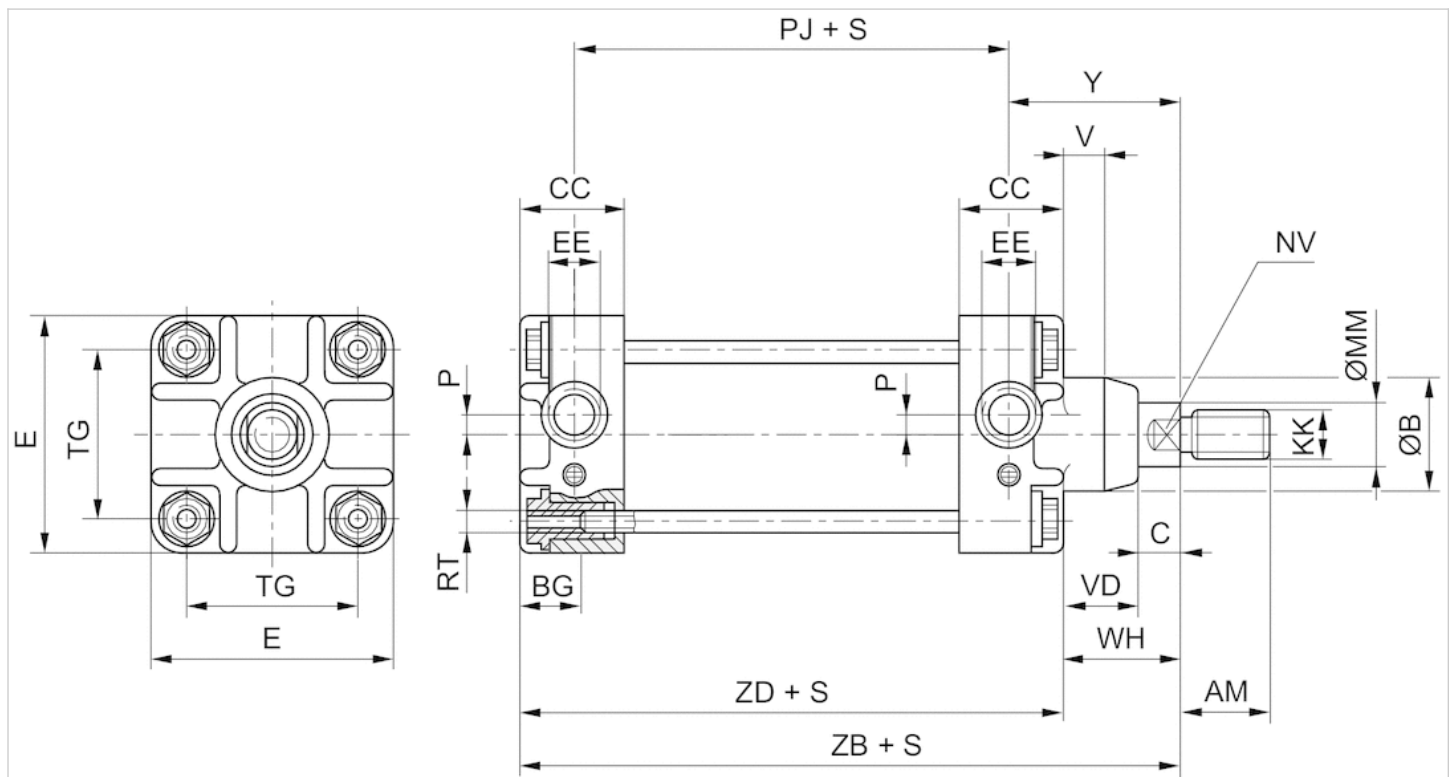
Technical data

Piston Ø Piston rod thread Ports	25 mm M10x1,25 G 1/8	32 mm M10x1,25 G 1/8	40 mm M12x1,25 G 1/4	50 mm M16x1,5 G 1/4	63 mm M16x1,5 G 3/8	80 mm M20x1,5 G 3/8
Stroke 25	1670202000	1670302000	1670402000	1670502000	1670602000	1670802000
50	1670205000	1670305000	1670405000	1670505000	1670605000	1670805000
80	1670208000	1670308000	1670408000	1670508000	1670608000	1670808000
100	1670210000	1670310000	1670410000	1670510000	1670610000	1670810000
125	1670212000	1670312000	1670412000	1670512000	1670612000	1670812000
160	1670216000	1670316000	1670416000	1670516000	1670616000	1670816000
200	1670220000	1670320000	1670420000	1670520000	1670620000	1670820000
250	1670225000	1670325000	1670425000	1670525000	1670625000	1670825000
320	-	-	-	1670532000	1670632000	1670832000
400	-	-	-	1670540000	1670640000	1670840000
500	-	-	-	1670550000	1670650000	1670850000

Piston Ø Piston rod thread Ports	100 mm M20x1,5 G 1/2
Stroke 25	1671002000
50	1671005000

Dimensions

Dimensions



Dimensions

Piston Ø	AM	Ø B h12	BG	C	CC	E	EE	KK	Ø MM	NV	P	PJ	RT	TG	V	VD	WH	Y
25 mm	22	23	12	8	20,0	40	G 1/8	M10x1,25	12	10	–	58	M5	27	–	16	24	31
32 mm	22	25	12	10	27,5	47	G 1/8	M10x1,25	12	10	4	65	M5	32	5	16	26	41
40 mm	24	35	15	13	30,0	56	G 1/4	M12x1,25	16	13	4	69	M6	40	5	20	33	48
50 mm	32	40	15	15	30,0	63	G 1/4	M16x1,5	20	17	4	72	M6	46	6	23	38	54
63 mm	32	40	19	14	34,0	81	G 3/8	M16x1,5	20	17	6	79	M8	59	6	27	41	58
80 mm	40	48	19	16	36,0	95	G 3/8	M20x1,5	25	22	9	86	M8	73	8	32	48	67
100 mm	40	55	23	16	40,0	115	G 1/2	M20x1,5	25	22	12	100	M10	90	8	37	53	70

Piston Ø	ZB	ZD	stroke tolerance
25 mm	98 ±1,2	74	+2/–1
32 mm	120 ±1,2	94	+2/–0
40 mm	132 ±1,2	99	+2/–0
50 mm	142 ±1,2	104	+2/–0
63 mm	154 ±1,4	113	+2,5/–0
80 mm	172 ±1,4	124	+2,5/–0
100 mm	187 ±1,4	134	+2,5/–0