Piston rod cylinder →

Mini cylinder, ISO 6432, Series OCT

► Ø 12 - 25 mm ► Ports: Ø 4 - Ø 6 ► double-acting ► with magnetic piston ► cushioning: pneumatically, adjustable ► Piston rod: through, external thread

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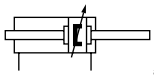

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Standards	ISO 6432
Compressed air connection	push-in fitting
Working pressure min./max.	1.5 bar / 10 bar
Ambient temperature min./max.	-20°C / +75°C
Medium temperature min./max.	-20°C / +75°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pressure for determining piston forces	6,3 bar

Materials:	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Polyarylamide
End cover	Polyarylamide
Seal	Polyurethane
Nut for cylinder mounting	Aluminum, anodized
Nut for piston rod	Stainless steel
Scraper	Polyester urethane rubber

Technical Remarks

- The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C.
- The oil content of compressed air must remain constant during the life cycle.
- Use only the approved oils from Bosch Rexroth, see chapter „Technical information“.
- Clamping piece for magnetic field sensor necessary

Piston Ø		**[mm]**	**12**	**16**	**20**	**25**
Retracting piston force		[N]	64	130	195	259
Extracting piston force		[N]	64	130	195	259
Cushioning length		[mm]	10	10	13	16
Cushioning energy		[J]	0.5	0.6	1.5	2.3
Weight	0 mm stroke	[kg]	0.058	0.07	0.122	0.168
	+10 mm stroke	[kg]	0.007	0.007	0.009	0.012
Stroke max.		[mm]	500	500	500	500

Supplementary products

Part numbers marked in bold are available from the central warehouse in Germany, see the shopping basket for more detailed information

Pneumatics catalog, online PDF, as of 2013-06-12, © Bosch Rexroth Pneumatics GmbH, subject to change

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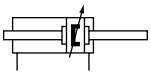
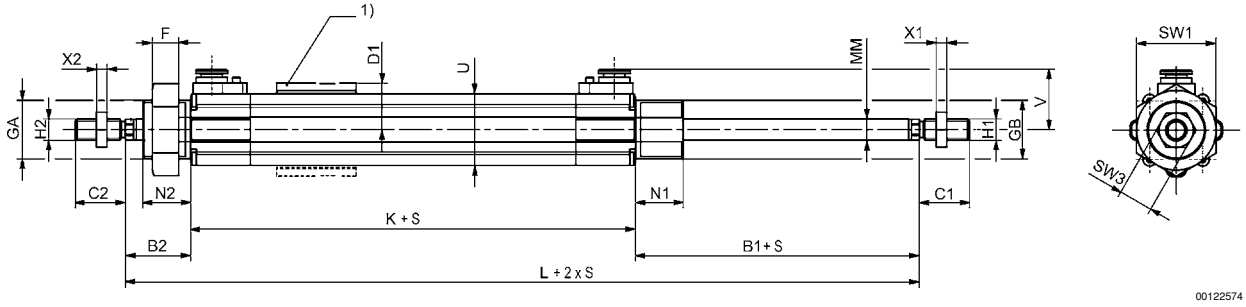
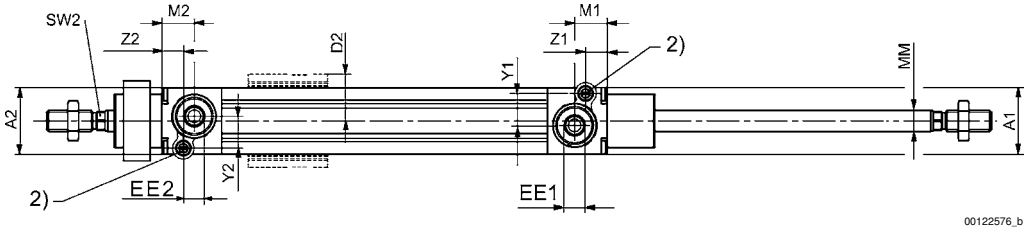
	Piston Ø Piston rod thread Ports Cylinder outer thread	12 M6 Ø 4 M16x1,5	16 M6 Ø 4 M16x1,5	20 M8 Ø 6 M22x1,5	25 M10x1,25 Ø 6 M22x1,5	
	Stroke 10	R480052482	R412002201	R412002301	R412002401	
	25	R480052483	R412002204	R412002304	R412002404	
	50	R480052484	R412002209	R412002309	R412002409	
	80	R480052485	R412002215	R412002315	R412002415	
	100	R480052486	R412002219	R412002319	R412002419	
	125	R480052487	R412002224	R412002324	R412002424	
	160	R480052488	R412002231	R412002331	R412002431	
	200	R480052489	R412002239	R412002339	R412002439	
	250	R480052490	R412002249	R412002349	R412002449	
	320	R480052491	R412002263	R412002363	R412002463	
	400	R480052492	R412002279	R412002379	R412002479	
	500	R480052493	R412002299	R412002399	R412002499	

Configurable product	
	This product is configurable. Please use our Internet configurator at www.boschrexroth.com/pneumatics or contact the nearest Bosch Rexroth sales office.

Piston Ø 12 - 25



Piston Ø 12



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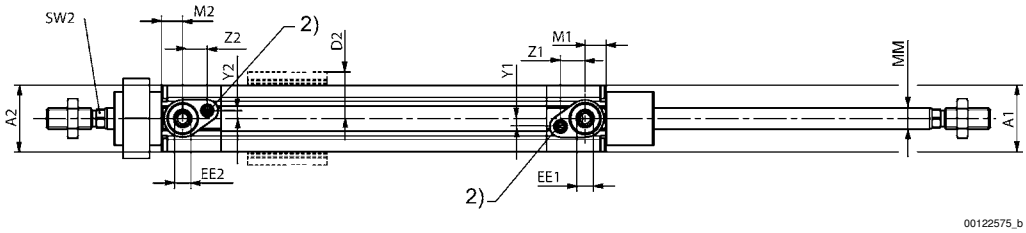
Piston Ø 16 - 25



1) Clamp for sensor - installation at all 4 cylinder sides (Ø 12 mm at 3 sides) possible
2) Slot for cushioning screw 0.8 mm
S = stroke

Piston Ø	A1/A2	B1	B2	C1 –2/C2 –2	D1/D2	EE1/EE2	F	GA/GB	H1/H2	K	L	M1/M2
12	19	22	22	15	14.5	Ø 4	8	M16x1,5	M6	46	90	8
16	21	23	22	15	15.5	Ø 4	8	M16x1,5	M6	56	101	6
20	25	25	24	19	17.5	Ø 6	10	M22x1,5	M8	68	118	8
25	28.5	29	28	21	19.25	Ø 6	10	M22x1,5	M10x1,25	70	127	8

Piston Ø	MM	N1/N2	U	V	X1/X2	SW1	SW2	SW3	Z1/Z2	Y1/Y2			
12	6	17	19	19.2	3.2	22	5	10	5.5	7			
16	6	16	23	20.5	3	22	5	10	6.6	2.4			
20	8	18	27	22.7	4	30	7	13	9.3	3			
25	10	21	30	24	5	30	9	17	9.3	3			