Piston rod cylinder → Cylinder with distance measuring sensor

Profile cylinder, ISO 15552, Series PRA with SM6

► double-acting ► with magnetic piston ► with distance measuring sensor, measurement range 32 - 256 mm

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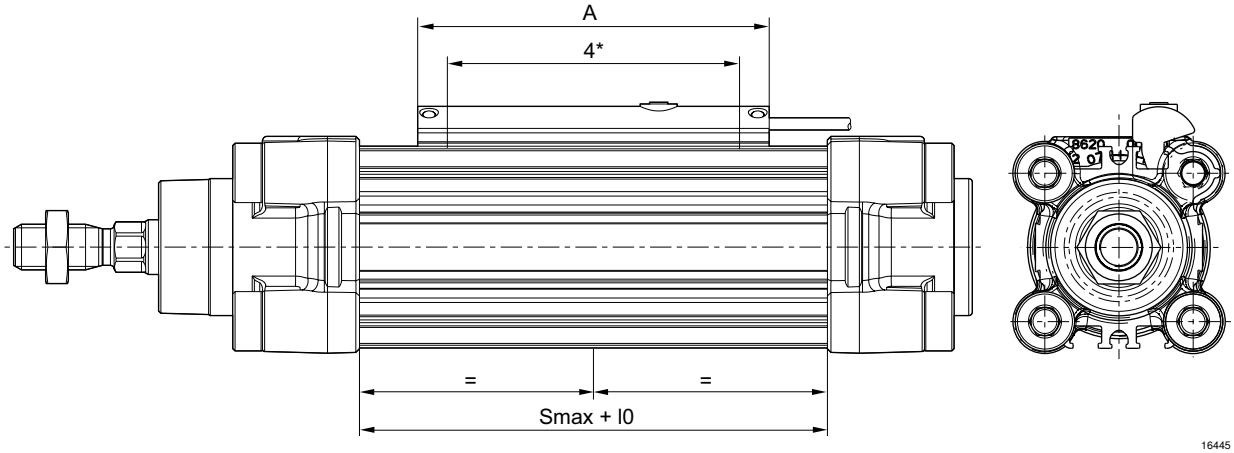
Standards	ISO 15552
Compressed air connection	internal thread
Working pressure min./max.	1.5 bar / 10 bar
Ambient temperature min./max.	-20°C / +70°C
Medium temperature min./max.	-20°C / +80°C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m³ - 5 mg/m³
Pressure for determining piston forces	6,3 bar

Materials:	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Die-cast aluminum
End cover	Die-cast aluminum
Seal	Polyurethane
Nut for piston rod	Steel, galvanized
Scraper	Polyurethane

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“.
- For additional technical data please see the relevant data sheets for the standard version.
- The PRA cylinder is available in our Internet configurator. Please order the distance measuring sensor separately. It can be found under the accessories for this series. Contact your nearest Bosch Rexroth sales office if you have any questions.

Dimensions



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A = sensor length
4* = Measurement range
S = stroke
l0 = zero stroke in mm

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Stroke ranges (mm)															
		Ø32		Ø40		Ø50		Ø63		Ø80		Ø100		Ø125	
l0 = zero stroke in mm		38,5		38,5		44		44,5		51,5		53,5		52,3	
		Stroke		Stroke		Stroke		Stroke		Stroke		Stroke		Stroke	
Measurement range	A = sensor length	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
32	45	7	31	7	31	2	31	1	31	0	31	0	31	0	31
64	77	39	63	39	63	34	63	33	63	26	63	24	63	26	63
96	109	71	95	71	95	66	95	65	95	58	95	56	95	58	95
128	141	103	127	103	127	98	127	97	127	90	127	88	127	90	127
160	173	135	159	135	135	130	159	129	159	122	159	120	159	122	159
192	205	167	191	167	167	162	191	161	191	154	191	152	191	154	191
224	237	199	223	199	199	194	223	193	223	184	223	184	223	186	223
256	269	231	255	231	255	226	255	225	255	218	255	216	255	218	255