ISO 6432 MINI-CYLINDER SERIES STD

Mini-cylinders to ISO 6432 with a chamfered stainless steel barrel.
Can be used with different types of sensors.
Available in various versions with a wide range of accessories:

- with or without magnet
- single acting extended, retracted or through piston rod
- double acting, single or through piston rod
- with pneumatic cushioning (Ø 16-20-25)
- gaskets made of NBR, POLYURETHANE, and FKM/FPM (for high temperatures), and low-temperature gaskets
- special executions on request
- fixing accessories, guide units and mechanical rod lock.



TECHNICAL DATA			Ø8	Ø10	Ø12	Ø16	Ø20	Ø25
Max operating pressure		bar	10					
		MPa	1					
		psi	145					
Temperature range	POLYURETHANE	°C	–20 to +80					
	NBR	°C	–10 to +80					
	FKM/FPM	°C	–10 to +150 (non-magnetic cylinder)					
	Low temperature	°C	–35 to +80					
Design			Chamfered stainless steel barrel					
Fluid			Unlubricated air. Lubrication, if used, must be continuous					
Standard strokes ✚	double-acting	mm	1 to 100	1 to 100	1 to 200	1 to 200	1 to 500	1 to 500
	double-acting, cushioned	mm	-	-	-	1 to 300	1 to 500	1 to 500
	double-acting with spring extended or retracted piston rod	mm	-	-	-	1 to 100	1 to 100	1 to 100
	single-acting extended or retracted piston rod	mm	1 to 50	1 to 50	1 to 50	1 to 100	1 to 100	1 to 100
Versions			Double-acting, Double-acting cushioned, Double-acting with spring extended or retracted piston rod, Single-acting extended or retracted rod, Through-rod, Through-rod cushioned, Version suitable for rod lock, No stick-slip					
Magnet for sensors			All versions come complete with magnet. Supplied without magnet on request.					
Inrush pressure	single piston rod	bar	0.8			0.6		
	through-rod	bar	1			0.8		
Forces generated at 6 bar thrust/retraction			See cylinder "**General technical data**" at the beginning of the chapter					
Weights			See cylinder "**General technical data**" at the beginning of the chapter					
Notes			**For speeds lower than 0.2 m/s to prevent surging, use the version No stick-slip and non-lubricated air.**					
			✚ Maximum recommended strokes. Higher values can create operating problems					

COMPONENTS

① PISTON ROD: C45 steel or stainless steel, thick chromed
② HEAD: anodized aluminium alloy
③ PISTON ROD GASKET: polyurethane, NBR or FKM/FPM
④ GUIDE BUSHING: steel strip with bronze and PTFE insert
⑤ BARREL: AISI 304 steel
⑥ HALF-PISTON: acetal resin
⑦ PISTON GASKET: polyurethane, NBR or FKM/FPM
⑧ MAGNET: plastoneodymium
⑨ CUSHIONING GASKET: NBR or FKM/FPM
⑩ NEEDLE: OT 58 with needle out movement safety system even when fully open
⑪ BUSHING (optional): self-lubricating bronze



