Cylinders according to ISO 15552 standards - CD Series

Bores Ø : 160 - 200 - 250 - 320 mm.

SERIES CD

- Robust cylinders for heavy duty application
- According to ISO 15552 standards
- Die-cast or gravity cast aluminium heads and caps, epoxy painted.
- Steel C45 piston rod, grounded and hard chromium plated
- Anodized aluminium profiled tube, internally gauged
- Zinc plated steel tie rods
- Adjustable end of stroke pneumatic cushions
- Aluminium piston
- Sensors and mounting accessories

TECHNICAL FEATURES	
Construction	Tube closed on both ends with a cap and head by tie rods
Function	Double acting
Standard materials	Die-cast or gravity cast aluminium heads and caps, epoxy painted, piston rod in steel C45 grounded and hard chromium plated. Round tube in anodized aluminiun internally gauged, aluminium piston. Seals in NBR - PU
Note about the materials	REACH regulation EC (2023/2482 and s.a.s.)
Bores	Ø 160, 200, 250, 320 mm
Standard strokes (min. - max.)	25 mm ÷ 2000 mm
Special strokes (on request)	Up to 3000 mm
Working temperature	0 ÷ 80°C (standard seals, -20°C with dry air, in order to avoid formation of ice) 0÷ 150°C (option in FKM, -20°C with dry air, in order to avoid formation of ice)
Working pressure	0,5 ÷ 10 bar
Fluid	Filtered air without lubrication , according to ISO 8573-1:2010 [7:4:4]
Speed	10 ÷ 1000 mm/sec

CERTIFICAZIONE ATEX		
Cylinder marking	CE Ex II 2G Ex h IIC T6 Gb CE Ex II 2D Ex h IIIC 85°C Db	(Zona 1 e Zona 2) (Zona 21 e Zona 22)
Operating pressure in ATEX environment	0,5 ÷ 10 bar	
Temperature in ATEX environment	-20°C ≤ Ta ≤ +60°C	
CE marking	According to Directive 2014/34/EU (see declaration of conformity)	

TECHNICAL FEATURES				
Bore Ø (mm)	**160**	**200**	**250**	**320**
Ports (gas)	3/4”	3/4”	1”	1”
Piston rod Ø (mm)	40	40	50	63
Thread of the piston rod (male)	M36 x 2	M36 x 2	M42 x 2	M48 x 2
Theoretical forward force at 6 bar (N)	11831	18482	28900	47335
Theoretical backward force at 6 bar (N)	11090	17740	27723	45500
Air consumption at 6 bar in farward force (Nl/cm)	1,407	2,198	3,473	5,629
Air consumption at 6 bar in backward force (Nl/cm)	1,312	2,110	3,297	5,411
Cushioning stroke (mm)	37	37	42	54