



VBC SERIES

DESCRIPTION

The VBC series pneumatic cylinder is designed to meet the standards set in ISO 15552, with bore sizes ranging from 32 mm to 250 mm. The cylinder has been newly designed with a complete change of covers and piston, an entire PU sealing system, a magnet integrated into a wear ring slot, a double cushion structure, and a strengthened cushion needle and guider. E.MC has also improved every process that contributes to better quality, including material choice, die-casting technology, machining consistency, and testing style. The pneumatic cylinders are machined with high-precision CNC machines and automatically assembled and tested. Additionally, the VBC series offers Mickey Mouse and tie-rod-type pneumatic cylinders in its range.

FEATURES

- Highlighted products for process optimisation
- Adheres to ISO15552 standard
- · All PU sealing system
- · Strong guiding design with high concentricity
- Bronze bearing with much better lateral loading
- Strengthened cushion design, soft ending
- Double cushioning system



VBC SERIES STANDARD PROFILE CYLINDER

32 MM BORE

PART NUMBER	BORE	STROKE
EM-VBC32X25-S	32 mm	25 mm
EM-VBC32X50-S	32 mm	50 mm
EM-VBC32X80-S	32 mm	80 mm
EM-VBC32X100-S	32 mm	100 mm
EM-VBC32X125-S	32 mm	125 mm
EM-VBC32X160-S	32 mm	160 mm
EM-VBC32X200-S	32 mm	200 mm
EM-VBC32X250-S	32 mm	250 mm
EM-VBC32X320-S	32 mm	320 mm

40 MM BORE

EM-VBC40X25-S	40 mm	25 mm	
EM-VBC40X50-S	40 mm	50 mm	
EM-VBC40X80-S	40 mm	80 mm	
EM-VBC40X100-S	40 mm	100 mm	
EM-VBC40X125-S	40 mm	125 mm	
EM-VBC40X160-S	40 mm	160 mm	
EM-VBC40X200-S	40 mm	200 mm	
EM-VBC40X250-S	40 mm	250 mm	
EM-VBC40X320-S	40 mm	320 mm	

50 MM BORE

EM-VBC50X25-S	50 mm	25 mm	
EM-VBC50X50-S	50 mm	50 mm	
EM-VBC50X80-S	50 mm	80 mm	
EM-VBC50X100-S	50 mm	100 mm	
EM-VBC50X125-S	50 mm	125 mm	
EM-VBC50X160-S	50 mm	160 mm	
EM-VBC50X200-S	50 mm	200 mm	
EM-VBC50X250-S	50 mm	250 mm	
EM-VBC50X320-S	50 mm	320 mm	

63 MM BORE

EM-VBC63X25-S	63 mm	25 mm	
EM-VBC63X50-S	63 mm	50 mm	
EM-VBC63X80-S	63 mm	80 mm	
EM-VBC63X100-S	63 mm	100 mm	
EM-VBC63X125-S	63 mm	125 mm	
EM-VBC63X160-S	63 mm	160 mm	
EM-VBC63X200-S	63 mm	200 mm	
EM-VBC63X250-S	63 mm	250 mm	
EM-VBC63X320-S	63 mm	320 mm	
EM-VBC63X400-S	63 mm	400 mm	
EM-VBC63X500-S	63 mm	500 mm	

SPECIFICATIONS

Double acting, magnetic positioning
Aluminium end caps. S45C hard chrome carbon steel piston rod. Hard anodised aluminium barrel. PU seals
10 bar
-20°C to +80°C (dry air)
50 – 800 mm/s
Foot, rear trunnion, 90° rear trunnion, front flange, rear flange.
ø32 – 250 mm
0 – 1900 mm
Adjustable air cushion

80 MM BORE

PART NUMBER	BORE	STROKE	
EM-VBC80X25-S	80 mm	25 mm	
EM-VBC80X50-S	80 mm	50 mm	
EM-VBC80X80-S	80 mm	80 mm	
EM-VBC80X100-S	80 mm	100 mm	
EM-VBC80X125-S	80 mm	125 mm	
EM-VBC80X160-S	80 mm	160 mm	
EM-VBC80X200-S	80 mm	200 mm	
EM-VBC80X250-S	80 mm	250 mm	
EM-VBC80X320-S	80 mm	320 mm	
EM-VBC80X400-S	80 mm	400 mm	
EM-VBC80X500-S	80 mm	500 mm	

100 MM BORE

EM-VBC100X25-S	100 mm	25 mm	
EM-VBC100X50-S	100 mm	50 mm	
EM-VBC100X80-S	100 mm	80 mm	
EM-VBC100X100-S	100 mm	100 mm	
EM-VBC100X125-S	100 mm	125 mm	
EM-VBC100X160-S	100 mm	160 mm	
EM-VBC100X200-S	100 mm	200 mm	
EM-VBC100X250-S	100 mm	250 mm	
EM-VBC100X320-S	100 mm	320 mm	
EM-VBC100X400-S	100 mm	400 mm	
EM-VBC100X500-S	100 mm	500 mm	

125 MM BORE

EM-VBC125X50-S	125 mm	50 mm	
EM-VBC125X80-S	125 mm	80 mm	
EM-VBC125X100-S	125 mm	100 mm	
EM-VBC125X125-S	125 mm	125 mm	
EM-VBC125X160-S	125 mm	160 mm	
EM-VBC125X200-S	125 mm	200 mm	
EM-VBC125X250-S	125 mm	250 mm	
EM-VBC125X320-S	125 mm	320 mm	
EM-VBC125X400-S	125 mm	400 mm	
EM-VBC125X500-S	125 mm	500 mm	

