

FVBC/FXBC Series Standard Cylinder



How to Order?

FV -- B C -- 50x50 -- S -- [ ] -- [ ]

B: Standard cylinder  
D: Double-shaft type  
A: Double-shaft, adjustable stroke type  
S: Swivelling type

Bore x Stroke  
32-100mm  
0-2000mm

Blank: No magnet  
S: With Magnet

Mounting type:  
Blank: basic type  
FLB: Foot Mounting  
FFA/FB: Front Rear Plate Mounting  
FCA: Single Trunnion Mounting  
FCB: Double Trunnion Mounting  
FCR: Double Trunnion with Hinge Mounting

Rod end fitting type  
Blank: Basic type  
FY: Y fitting  
FI: I fitting  
FF: Floating fitting  
FB: Bearing fitting

According to ISO6431, VDMA24562, DIN24335 standard  
FV: Square type barrel  
FX: Mickey mouse barrel

Order example:

\* FV series Square type, Standard Type, 32mm bore, 50mm stroke, with magnet, Model: FVBC 32x50-S  
\* FX series Mickey mouse type, Standard Type, 63mm bore, 150mm stroke, Model: FXBC 63x150

Specifications

Bore Size(mm)	32	40	50	63	80	100	Bore Size(mm)	32	40	50	63	80	100
Acting type	Double Acting						Guaranteed pressure (Bar)	13.5					
Working medium	Clean Air (25 μ filtration)						Working temperature (°C)	-5 ~ 70					
Mounting type	FVA	FFB	FCA	FCB	FLB		Speed range (mm/s)	50-800					
Rod end fitting type	FY	FI	FF	FB			Cushion type	Adjustable Cushion					
Range of working pressure (Bar)	1-9.0						Cushion stroke (mm)	24		32			
							Port Size	G 1/8	G 1/4	G 3/8	G 1/2		

TBC/XBC Series Standard Cylinder



How to Order?

T -- B C -- 50x50 -- S -- [ ] -- [ ]

B: Standard Cylinder  
D: Double-shaft  
A: Double-shaft and adjustable stroke type  
S: Swivelling Type

Bore x Stroke  
32-200mm  
0-2000mm

Blank: Without Magnet  
S: Magnet

Mounting type:  
Blank: Basic type  
TFA/FB: Front Rear Plate Mounting  
TCA: Single Trunnion Mounting  
TCB: Double Trunnion Mounting  
TTC: Centre Trunnion Mounting  
TTC-M: Centre Trunnion with Mounting  
TCR: Double Trunnion with Hinge Mounting

Rod end fitting type:  
Blank: Basic type  
TY: Y fitting  
TI: I fitting  
TF: Floating fitting  
TB: Bearing fitting

T: Tie-Rod Standard Cylinder  
X: X-Type Mickey Mouse Cylinder

Order example:

\* T series cylinder, Standard type, 32mm bore, 50mm stroke, with magnet, Model: TBC 32x50-S  
\* X series cylinder, double shaft with adjustable stroke 20mm, 40mm bore, 200mm stroke, Model: XAC 40x200-20

Specifications

Bore Size(mm)	32	40	50	63	80	100	125	160	200	Bore Size(mm)	32	40	50	63	80	100	125	160	200	
Acting type	Double Acting									Working temperature (°C)	-5 ~ 70									
Working medium	Clean Air (25 μ filtration)									Speed range (mm/s)	50-800									
Mounting type	TFA TFB TCA TCB TTB TTC TTC-M TCR									Cushion type	Adjustable Cushion									
Rod end fitting type	VY VI VF VB									Cushion stroke (mm)	24					32				
Range of working pressure (Bar)	1-9.0									Port Size	G 1/8	G 1/4	G 3/8	G 1/2	G 3/4					
Guaranteed pressure (Bar)	13.5																			

VBC/LBC Series Standard Cylinder



How to Order?

V -- B C -- 50x50 -- S -- [ ] -- [ ]

B: Standard cylinder  
D: Double-shaft type  
A: Double-shaft, adjustable stroke type  
S: Swivelling type

Bore x Stroke  
32-200mm  
0-3000mm

Blank: No magnet  
S: With Magnet

Mounting type:  
Blank: Basic type  
VLB: Foot Mounting  
VFA/FB: Front Rear Plate Mounting  
VCA: Single Trunnion Mounting  
VCB: Double Trunnion Mounting  
VCR: Double Trunnion with Hinge Mounting

Rod end fitting type:  
Blank: Basic type  
VY: Y fitting  
VI: I fitting  
VF: Floating fitting  
VB: Bearing fitting

According to ISO6431 Standard  
V: Mickey Mouse type  
L: Tie-Rod type

Order example:

\* V series Mickey mouse type, Double-shaft with adjustable stroke 20mm, 50mm bore, 100mm stroke, Model: VAC 50x100-20  
\* L series Tie-rod type, Standard Type, 32mm bore, 50mm stroke, with magnet, Model: LBC 32x50-S

Specifications

Bore Size(mm)	32	40	50	63	80	100	125	160	200	Bore Size(mm)	32	40	50	63	80	100	125	160	200	
Acting type	Double Acting									Working temperature (°C)	-5 ~ 70									
Working medium	Clean Air (25 μ filtration)									Speed range (mm/s)	50-800									
Mounting type	VFA VFB VCA VCB VCR VLB									Cushion type	Adjustable Cushion									
Rod end fitting type	VY VI VF VB									Cushion stroke (mm)	24		32							
Range of working pressure (Bar)	1-9.0									Port Size	G 1/8	G 1/4	G 3/8	G 1/2	G 3/4					
Guaranteed pressure (Bar)	13.5																			

PHC Hydro Pneumatic Cylinder

How to Order?

PHC -- D -- 80x150 -- 5 -- F

S: Single cylinder  
D: Dual cylinder

Bore Total stroke  
63-200mm  
50-500mm

Power stroke:  
5mm, 10mm, 15mm, 20mm

Blank: Basic type  
F: Flange type

PHC Hydro pneumatic cylinder

Order example:

PHC type hydro pneumatic cylinder, basic type, single cylinder, 80mm bore, 180mm stroke, 5mm power stroke: Model No.:PHC-S-80x180-5  
PHC type hydro pneumatic cylinder, flange type, dual cylinder, 160mm bore, 250mm stroke, 10mm power stroke: Model No.:PHC-D-160x250-10F



Specifications

Bore Size(mm)	63	80	100	125	160	200	Bore Size(mm)	63	80	100	125	160	200
Working medium	Clean air with oil (Below 0.3 μ m filtration and with 1mg/m <sup>3</sup> oil)						Piston speed (mm/s)	50-200					
Guaranteed pressure (Bar)	12						Output power force (kg)	1900-30000					
Working pressure (Bar)	2-8						Return force (kg)	Be decided according to bore size, the rod diameter and working pressure					
Ambient and working temperature(°C)	0-70						Intermediate medium	oil (32#-15#)					