

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 ³ 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#) | | | | | |