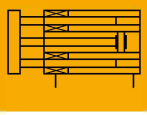
# SFM
## Guide Rod Type Cylinder



## ◎Specifications

| Bore(mm) | 20 | 25 | 32 | 40 |
|---|---|---|---|---|
| Acting type | Double Acting | | | |
| Working medium | Clean Air(40 μ m filteration) | | | |
| Working pressure(MPa) | 0.1~1.0 | | | |
| Garanteed pressure(MPa) | 1.5 | | | |
| Working temperature(℃) | –20~80(No freezing) | | | |
| Speed range(mm/s) | 30~500 | | | |
| Stroke tolerance(mm) | $^{+1.0}_{0}$ | | | |
| Cushion type | Rubber cushion | | | |
| Port size | M5X0.8 | | G1/8 ❶ | |

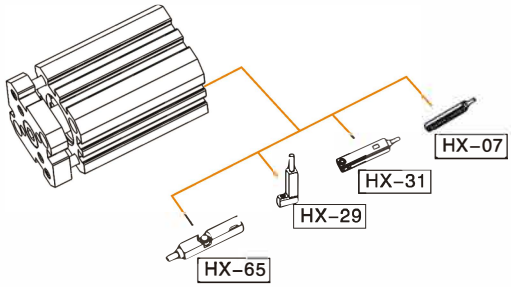
❶ NPT、PT port size is optional.

## ◎How to Order?

| Series | Bore | X | Stroke | – | Magnet | – | Thread Type |
|---|---|---|---|---|---|---|---|
| SFM | 20<br>25<br>32<br>40 | | 5<br>10<br>15<br>··· | | Blank: No magnet<br>S : With magnet | | Blank: G<br>P: PT<br>T: NPT |

Order Example:
SFM series basic cylinder, bore 25mm, stroke 20mm, with magnet, G thread,
ERP code is: SFM25X20–S

## ◎Optional Accessories

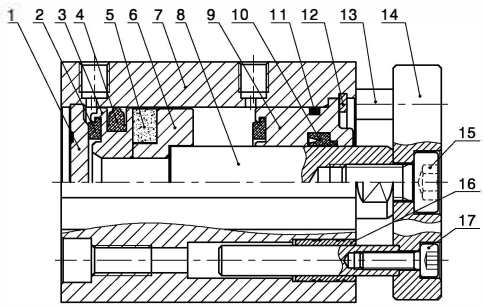



Note:Short stroke please use HX–29 series due to limited space.

## ◎Stroke

| Bore (mm) | | Standard Stroke (mm) | Max. Stroke (mm) |
|---|---|---|---|
| Double Acting | 20~40 | 5 10 15 20 25 30 35 40 45 50 55 60 70 75 80 90 100 | 100 |

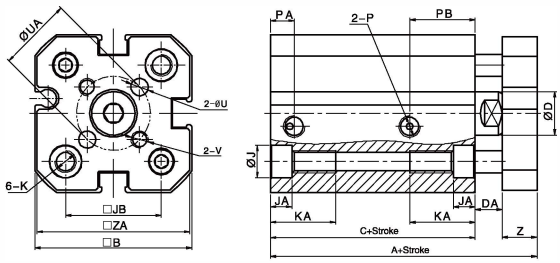
## ◎Internal Structure




| No. | Part Name | Material |
|---|---|---|
| 1 | Rear cover | Aluminum alloy |
| 2 | Anti-bump cushion | TPU |
| 3 | Piston | Aluminum alloy |
| 4 | Piston seal | NBR |
| 5 | Integrated magnet | RbFeB |
| 6 | Magnet seat | Aluminum alloy |
| 7 | Barrel | Aluminum alloy |
| 8 | Piston rod | Stainless steel/Carbon steel |
| 9 | Head cover | Aluminum alloy |
| 10 | Piston rod seal | TPU |
| 11 | O-ring | NBR |
| 12 | C type retainer ring | Spring steel |
| 13 | Guide | Stainless steel |
| 14 | Fixing plate | Aluminum alloy |
| 15 | Hexagon Socket Cap Head Screw | Carbon steel |
| 16 | Slide bearing | Brass |
| 17 | Hexagon Socket Cap Head Screw | Carbon steel |

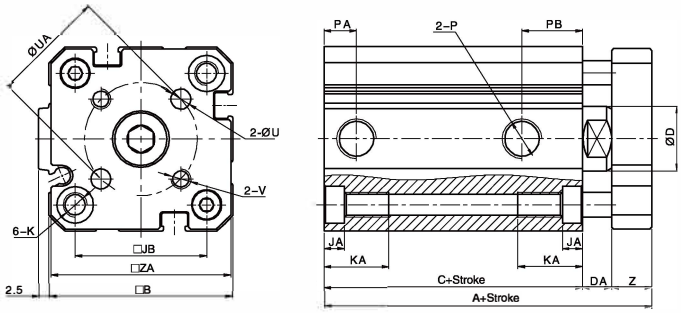
## ◎Main Dimension

SFMΦ20、Φ25




| Bore/Sign | A | B | C | D | DA | J | JA | JB | K | KA | P | PA | PB | U | UA | V | Z | ZA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 51 | 36 | 37 | 10 | 6 | 7.3 | 5 | 22 | M5X0.8 Through hole Φ4.2 | 15 | M5X0.8 | 5.5 | 15 | 4 | 17 | M4X0.7 | 8 | 35 |
| 25 | 53 | 40 | 39 | 12 | 6 | 7.3 | 5 | 26 | M5X0.8 Through hole Φ4.2 | 15 | M5X0.8 | 5.5 | 17 | 5 | 22 | M5X0.8 | 8 | 39 |

SFMΦ32、Φ40




| Bore/Sign | A | B | C | D | DA | J | JA | JB | K | KA | P | PA | PB | U | UA | V | Z | ZA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 61 | 45.5 | 44 | 16 | 7 | 9 | 5 | 32.5 | M6X1.0 Through hole Φ5.2 | 16 | G1/8 | 8 | 15 | 5 | 28 | M5X0.8 | 10 | 44.5 |
| 40 | 62.5 | 53 | 45 | 16 | 7.5 | 9 | 5 | 38 | M6X1.0 Through hole Φ5.2 | 16 | G1/8 | 9.5 | 16.5 | 5 | 33 | M5X0.8 | 10 | 52 |