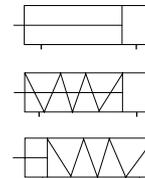


## 自由安装气缸 Free Mount Air Cylinder Series KCU (Ø6~Ø32)



### 规格 Specifications

|                                       |                                      |    |    |    |    |     |
|---------------------------------------|--------------------------------------|----|----|----|----|-----|
| 缸径 Bore size (mm)                     | 6                                    | 10 | 16 | 20 | 25 | 32  |
| 接管口径 Port size Rc(PT)                 | M5x0.8                               |    |    |    |    | 1/8 |
| 使用流体 Fluid                            | 过滤压缩空气 Filtered compressed air       |    |    |    |    |     |
| 动作形式 Action                           | 双动 / 单动 Double acting/ Single acting |    |    |    |    |     |
| 保证耐压力 Proof pressure (MPa)            | 1.05                                 |    |    |    |    |     |
| 使用压力范围 Operating pressure range (MPa) | 0.05~0.7                             |    |    |    |    |     |
| 环境及流体温度 Ambient and fluid temperature | -5~60°C (未冻结 No freezing)            |    |    |    |    |     |
| 活塞速度 Piston speed                     | 50~500 mm/s                          |    |    |    |    |     |
| 缓冲 Cushion                            | 橡胶缓冲 Rubber bumper                   |    |    |    |    |     |
| 行程公差 Stroke tolerance (mm)            | +1.0<br>0                            |    |    |    |    |     |
| * 润滑 Lubrication                      | 不需要 Not required                     |    |    |    |    |     |

\* 如需要润滑请使用透平 1 号油 ISOVG32。Please use Turbine oil 1st Grade ISOVG32 if necessary.

### 行程 / 磁性开关 Stroke/ Auto switch

| 缸径<br>Bore size<br>(mm) | 标准行程 Standard stroke (mm)     |                  | 长行程 Long stroke (mm) | 磁性开关 / 轨道安装<br>Auto switch/ Rail mounting |
|-------------------------|-------------------------------|------------------|----------------------|---|
|                         | 双动 Double acting              | 单动 Single acting | 双动 Double acting     |   |
| 6, 10, 16               | 5, 10, 15, 20, 25, 30         | 5, 10, 15        | 40, 50, 60           | D-M9BK                                    |
| 20, 25, 32              | 5, 10, 15, 20, 25, 30, 40, 50 |                  | 60, 70, 80, 90, 100  |   |

### 型号表示方法 How to Order

KC **D** U **W** **16** - **15** **D**

磁环 Magnet

|   |                      |
|---|----------------------|
| - | 无 None               |
| D | 内置磁环 Built-in magnet |

行程  
Stroke  
(mm)

缸径  
Bore size  
(mm)

动作形式 Action

|   |  |
|---|--|
| D | 双动 Double acting                           |
| S | 单动 (弹簧压回)<br>Single acting (Spring return) |
| T | 单动 (弹簧压出)<br>Single acting (Spring extend) |

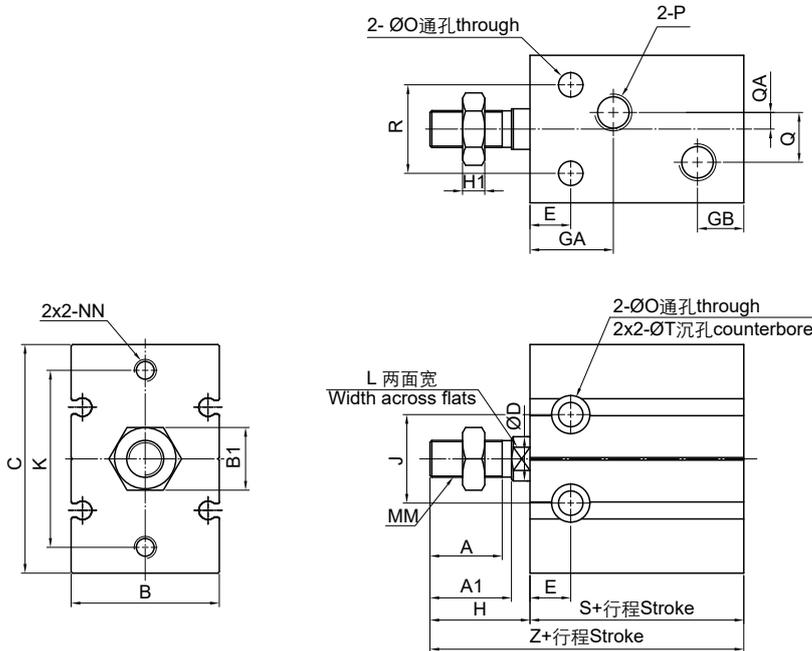
活塞杆形式 Rod type

|    |   |
|----|---|
| -  | 基本型 Basic   |
| K  | 杆不回转型 Non-rotating  |
| W  | 双活塞杆 (仅双动)<br>Double rod (double acting only)                     |
| KW | 杆不回转双活塞杆 (仅双动)<br>Non-rotating double rod<br>(double acting only) |

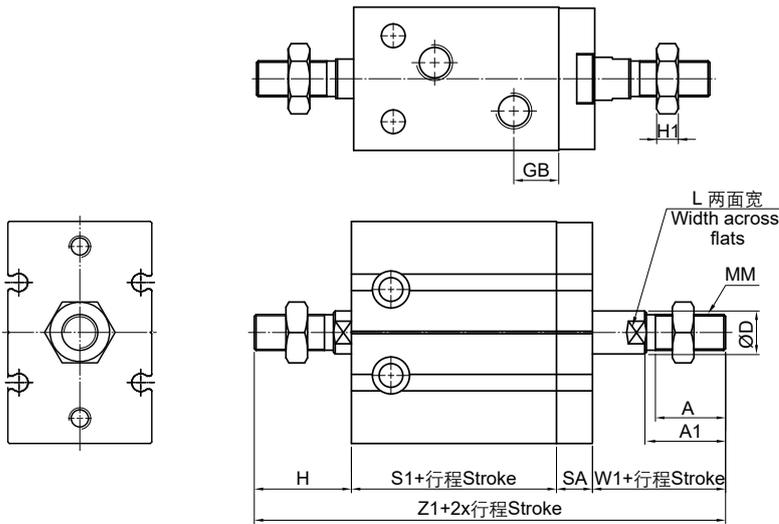
# 自由安装气缸 Free Mount Air Cylinder Series **KCU**

外形尺寸图 Dimensions (mm)

KC(D)U-D



KC(D)UW-D



| 缸径<br>Bore size | KCU |    |    |      | KCDU |    |    |      |
|-----------------|-----|----|----|------|------|----|----|------|
|                 | S   | S1 | Z  | Z1   | S    | S1 | Z  | Z1   |
| 6               | 33  | 38 | 46 | 70   | 33   | 38 | 46 | 70   |
| 10              | 36  | 36 | 52 | 74   | 36   | 36 | 52 | 74   |
| 16              | 30  | 30 | 46 | 69.5 | 40   | 40 | 56 | 79.5 |
| 20              | 36  | 36 | 55 | 83   | 46   | 46 | 65 | 93   |
| 25              | 40  | 40 | 63 | 95   | 50   | 50 | 73 | 105  |
| 32              | 42  | 42 | 69 | 106  | 52   | 52 | 79 | 116  |

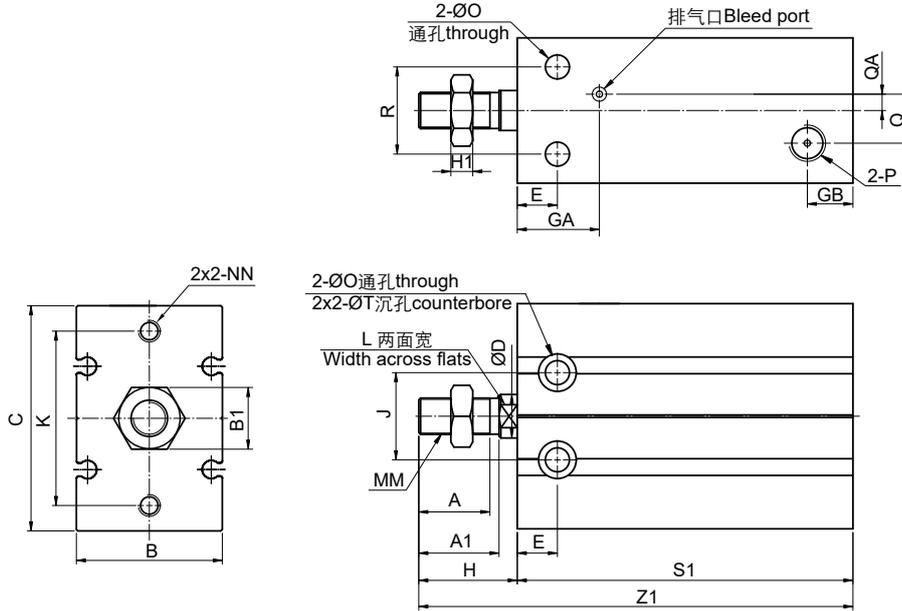
\*未标注尺寸与KC(D)U-D相同。The dimensions unmentioned are same as KC(D)U-D.

| 缸径<br>Bore size | A    | A1   | B  | B1  | C  | D  | E  | GA   | GB   | H  | H1    | J  | K  | L  | MM       | NN               | O   | P      | Q    | QA  | R  | SA  | T               | W1 |
|-----------------|------|------|----|-----|----|----|----|------|------|----|-------|----|----|----|----------|------------------|-----|--------|------|-----|----|-----|-----------------|----|
| 6               | 7    | -    | 13 | 5.5 | 22 | 3  | 7  | 15   | 10   | 13 | 2-1.8 | 10 | 17 | -  | M3x0.5   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 7  | 6   | 6 深 depth 4.8   | 13 |
| 10              | 10   | -    | 15 | 7   | 24 | 4  | 7  | 16.5 | 10   | 16 | 2-2.4 | 11 | 18 | -  | M4x0.7   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 9  | 6   | 6 深 depth 5     | 16 |
| 16              | 11   | 12.5 | 20 | 8   | 32 | 6  | 7  | 16.5 | 11.5 | 16 | 4     | 14 | 25 | 5  | M5x0.8   | M4x0.7 深 depth 6 | 4.5 | M5x0.8 | 4    | 2   | 12 | 7.5 | 7.6 深 depth 6.5 | 16 |
| 20              | 12   | 14   | 26 | 10  | 40 | 8  | 9  | 19   | 12.5 | 19 | 5     | 16 | 30 | 6  | M6x1.0   | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 16 | 9   | 9.3 深 depth 8   | 19 |
| 25              | 15.5 | 18   | 32 | 13  | 50 | 10 | 10 | 21.5 | 13.5 | 23 | 5     | 20 | 38 | 8  | M8x1.25  | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 20 | 9   | 9.3 深 depth 9   | 23 |
| 32              | 19.5 | 22   | 40 | 17  | 62 | 12 | 11 | 23   | 12.5 | 27 | 6     | 24 | 48 | 10 | M10x1.25 | M6x1.0 深 depth 9 | 6.6 | 1/8    | 13.5 | 4.5 | 24 | 10  | 11 深 depth 11.5 | 27 |

# 自由安装气缸 Free Mount Air Cylinder Series **KCU**

外形尺寸图 Dimensions (mm)

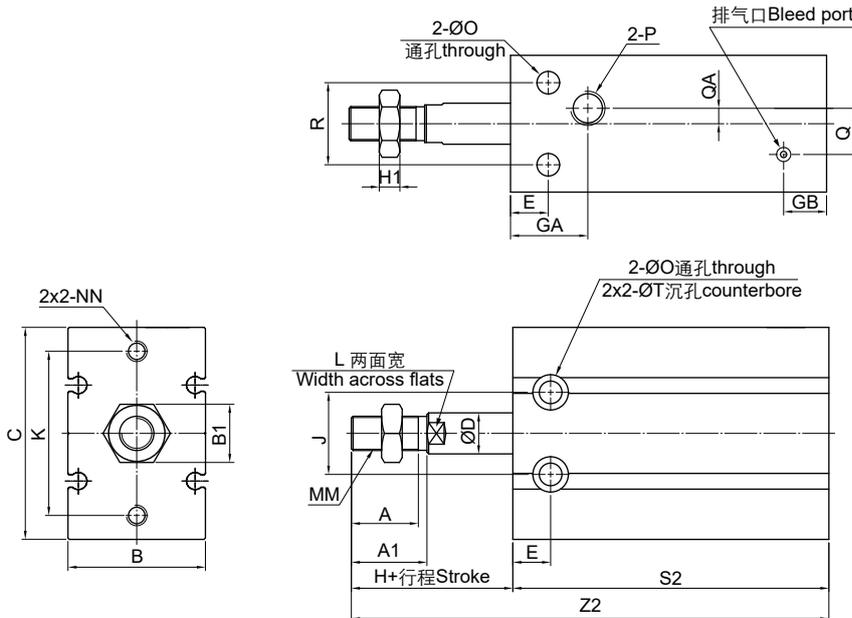
## KC(D)U-S



| 缸径<br>Bore size | KCU-S |       |       |      |       |       |
|-----------------|-------|-------|-------|------|-------|-------|
|                 | S1    |       |       | Z1   |       |       |
|                 | ST=5  | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6               | 38    | 43    | 48    | 51   | 56    | 61    |
| 10              | 41    | 46    | 56    | 57   | 62    | 72    |
| 16              | 35    | 40    | 50    | 51   | 56    | 66    |
| 20              | 41    | 46    | 56    | 60   | 65    | 75    |
| 25              | 45    | 50    | 60    | 68   | 73    | 83    |
| 32              | 47    | 52    | 62    | 74   | 79    | 89    |

| 缸径<br>Bore size | KCDU-S |       |       |      |       |       |
|-----------------|--------|-------|-------|------|-------|-------|
|                 | S1     |       |       | Z1   |       |       |
|                 | ST=5   | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6               | 38     | 43    | 48    | 51   | 56    | 61    |
| 10              | 41     | 46    | 56    | 57   | 62    | 72    |
| 16              | 45     | 50    | 60    | 61   | 66    | 76    |
| 20              | 51     | 56    | 66    | 70   | 75    | 85    |
| 25              | 55     | 60    | 70    | 78   | 83    | 93    |
| 32              | 57     | 62    | 72    | 84   | 89    | 99    |

## KC(D)U-T



| 缸径<br>Bore size | KCU-T |       |       |      |       |       |
|-----------------|-------|-------|-------|------|-------|-------|
|                 | S2    |       |       | Z2   |       |       |
|                 | ST=5  | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6               | 38    | 43    | 48    | 56   | 66    | 76    |
| 10              | 41    | 46    | 56    | 62   | 72    | 87    |
| 16              | 45    | 50    | 60    | 66   | 76    | 91    |
| 20              | 41    | 46    | 56    | 65   | 75    | 90    |
| 25              | 45    | 50    | 60    | 73   | 83    | 98    |
| 32              | 47    | 52    | 62    | 79   | 89    | 104   |

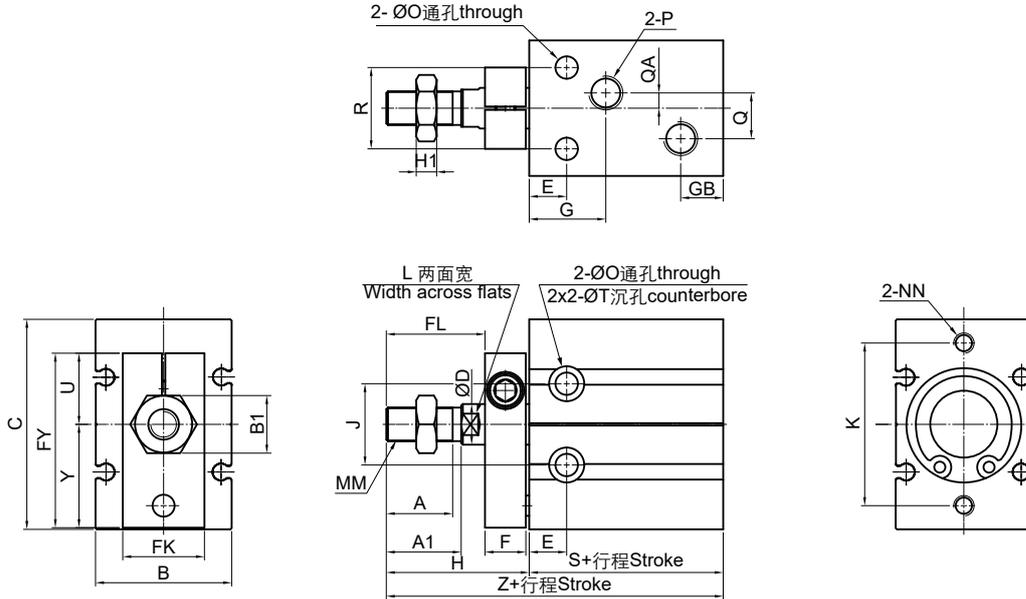
| 缸径<br>Bore size | KCDU-T |       |       |      |       |       |
|-----------------|--------|-------|-------|------|-------|-------|
|                 | S2     |       |       | Z2   |       |       |
|                 | ST=5   | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6               | 38     | 43    | 48    | 56   | 66    | 76    |
| 10              | 41     | 46    | 56    | 62   | 72    | 87    |
| 16              | 45     | 50    | 60    | 66   | 76    | 91    |
| 20              | 51     | 56    | 66    | 75   | 85    | 100   |
| 25              | 55     | 60    | 70    | 83   | 93    | 108   |
| 32              | 57     | 62    | 72    | 89   | 99    | 114   |

| 缸径<br>Bore size | A    | A1   | B  | B1  | C  | D  | E  | GA   | GB   | H  | H1    | J  | K  | L  | MM       | NN               | O   | P      | Q    | QA  | R  | T               |
|-----------------|------|------|----|-----|----|----|----|------|------|----|-------|----|----|----|----------|------------------|-----|--------|------|-----|----|-----------------|
| 6               | 7    | -    | 13 | 5.5 | 22 | 3  | 7  | 15   | 10   | 13 | 2-1.8 | 10 | 17 | -  | M3x0.5   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 7  | 6 深 depth 4.8   |
| 10              | 10   | -    | 15 | 7   | 24 | 4  | 7  | 16.5 | 10   | 16 | 2-2.4 | 11 | 18 | -  | M4x0.7   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 9  | 6 深 depth 5     |
| 16              | 11   | 12.5 | 20 | 8   | 32 | 6  | 7  | 16.5 | 11.5 | 16 | 4     | 14 | 25 | 5  | M5x0.8   | M4x0.7 深 depth 6 | 4.5 | M5x0.8 | 4    | 2   | 12 | 7.6 深 depth 6.5 |
| 20              | 12   | 14   | 26 | 10  | 40 | 8  | 9  | 19   | 12.5 | 19 | 5     | 16 | 30 | 6  | M6x1.0   | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 16 | 9.3 深 depth 8   |
| 25              | 15.5 | 18   | 32 | 13  | 50 | 10 | 10 | 21.5 | 13.5 | 23 | 5     | 20 | 38 | 8  | M8x1.25  | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 20 | 9.3 深 depth 9   |
| 32              | 19.5 | 22   | 40 | 17  | 62 | 12 | 11 | 23   | 12.5 | 27 | 6     | 24 | 48 | 10 | M10x1.25 | M6x1.0 深 depth 9 | 6.6 | 1/8    | 13.5 | 4.5 | 24 | 11 深 depth 11.5 |

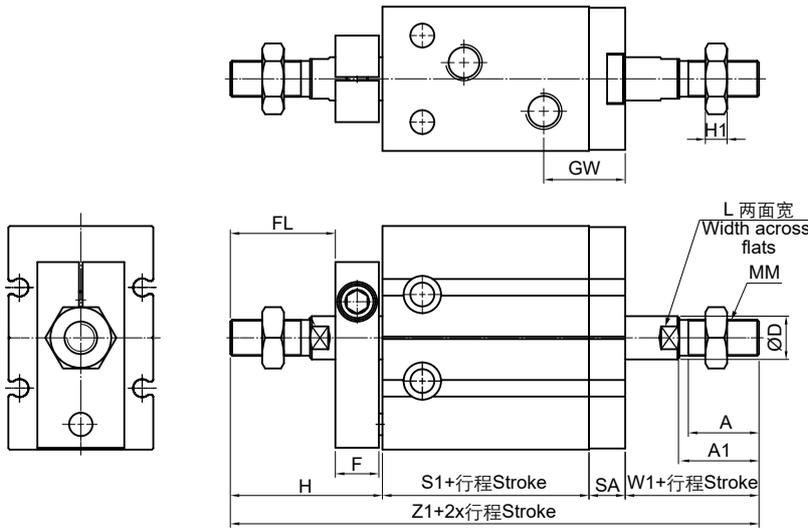
# 自由安装气缸 Free Mount Air Cylinder Series **KCU**

## 外形尺寸图 Dimensions (mm)

### KC(D)UK-D



### KC(D)UKW-D



| 缸径<br>Bore size | KCUK |    |    |      | KCDUK |    |    |      |
|-----------------|------|----|----|------|-------|----|----|------|
|                 | S    | S1 | Z  | Z1   | S     | S1 | Z  | Z1   |
| 6               | 33   | 38 | 51 | 75   | 33    | 38 | 51 | 75   |
| 10              | 36   | 36 | 57 | 79   | 36    | 36 | 57 | 79   |
| 16              | 30   | 30 | 56 | 79.5 | 40    | 40 | 66 | 89.5 |
| 20              | 36   | 36 | 65 | 93   | 46    | 46 | 75 | 103  |
| 25              | 40   | 40 | 73 | 105  | 50    | 50 | 83 | 115  |
| 32              | 42   | 42 | 84 | 121  | 52    | 52 | 94 | 131  |

| 缸径<br>Bore size | T               | U    | W1 | Y    |
|-----------------|-----------------|------|----|------|
| 6               | 6 深 depth 4.8   | 10   | 13 | 10.5 |
| 10              | 6 深 depth 5     | 10.5 | 16 | 11.5 |
| 16              | 7.6 深 depth 6.5 | 12.5 | 16 | 15.5 |
| 20              | 9.3 深 depth 8   | 13.5 | 19 | 19.5 |
| 25              | 9.3 深 depth 9   | 19   | 23 | 24.5 |
| 32              | 11 深 depth 11.5 | 21   | 27 | 30.5 |

\*未标注尺寸与KC(D)UK-D相同。The dimensions unmentioned are same as KC(D)UK-D.

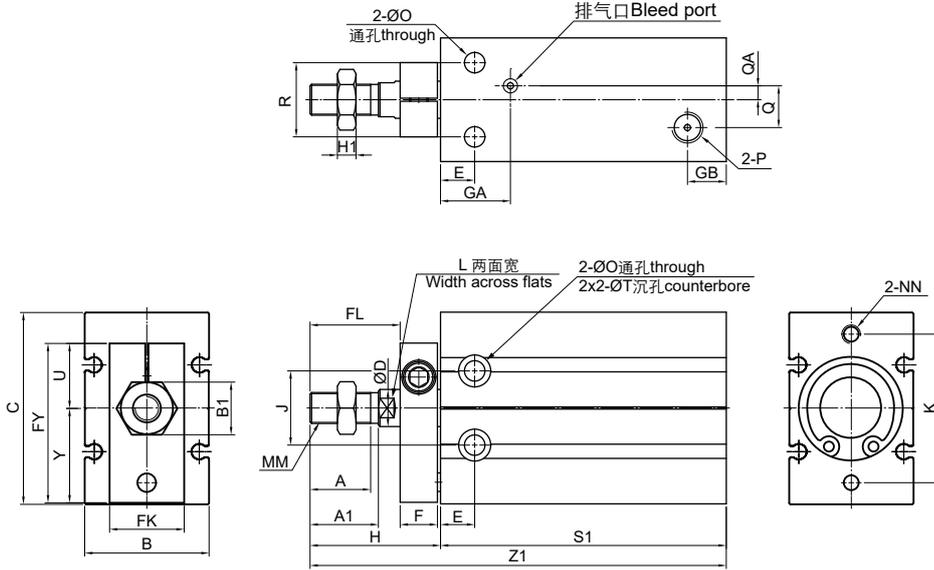
| 缸径<br>Bore size | A    | A1   | B  | B1  | C  | D  | E  | F  | FL | FK | FY   | GA    | GB   | H  | H1    | J  | K  | L  | MM       | NN               | O   | P      | Q    | QA  | R  | SA  |
|-----------------|------|------|----|-----|----|----|----|----|----|----|------|-------|------|----|-------|----|----|----|----------|------------------|-----|--------|------|-----|----|-----|
| 6               | 7    | -    | 13 | 5.5 | 22 | 3  | 7  | 8  | 9  | 11 | 20.5 | 15    | 10   | 18 | 2-1.8 | 10 | 17 | -  | M3x0.5   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 7  | 6   |
| 10              | 10   | -    | 15 | 7   | 24 | 4  | 7  | 8  | 12 | 12 | 22   | 16.5  | 10   | 21 | 2-2.4 | 11 | 18 | -  | M4x0.7   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 9  | 6   |
| 16              | 11   | 12.5 | 20 | 8   | 32 | 6  | 7  | 8  | 17 | 13 | 28   | *16.5 | 11.5 | 26 | 4     | 14 | 25 | 5  | M5x0.8   | M4x0.7 深 depth 6 | 4.5 | M5x0.8 | 4    | 2   | 12 | 7.5 |
| 20              | 12   | 14   | 26 | 10  | 40 | 8  | 9  | 8  | 20 | 16 | 33   | 19    | 12.5 | 29 | 5     | 16 | 30 | 6  | M6x1.0   | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 16 | 9   |
| 25              | 15.5 | 18   | 32 | 13  | 50 | 10 | 10 | 10 | 22 | 20 | 43.5 | 21.5  | 13.5 | 33 | 5     | 20 | 38 | 8  | M8x1.25  | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 20 | 9   |
| 32              | 19.5 | 22   | 40 | 17  | 62 | 12 | 11 | 12 | 29 | 24 | 51.5 | 23    | 12.5 | 42 | 6     | 24 | 48 | 10 | M10x1.25 | M6x1.0 深 depth 9 | 6.6 | 1/8    | 13.5 | 4.5 | 24 | 10  |

\*对于 KC(D)UK(W)16-5D (即行程 5mm): GA=14.5。For KC(D)UK(W)16-5D (ie.5mm stroke length): GA=14.5.

# 自由安装气缸 Free Mount Air Cylinder Series **KCU**

## 外形尺寸图 Dimensions (mm)

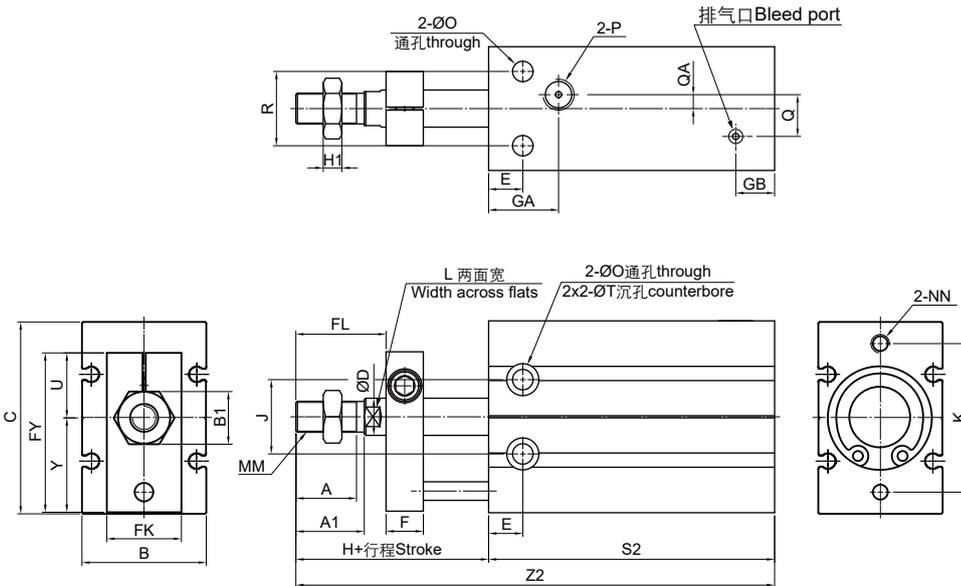
### KC(D)UK-S



| 缸径<br>Bore<br>size | KCUK-S |       |       |      |       |       |
|--------------------|--------|-------|-------|------|-------|-------|
|                    | S1     |       |       | Z1   |       |       |
|                    | ST=5   | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6                  | 38     | 43    | 48    | 56   | 61    | 66    |
| 10                 | 41     | 46    | 56    | 62   | 67    | 77    |
| 16                 | 35     | 40    | 50    | 61   | 66    | 76    |
| 20                 | 41     | 46    | 56    | 70   | 75    | 85    |
| 25                 | 45     | 50    | 60    | 78   | 83    | 93    |
| 32                 | 47     | 52    | 62    | 89   | 94    | 104   |

| 缸径<br>Bore<br>size | KCDUK-S |       |       |      |       |       |
|--------------------|---------|-------|-------|------|-------|-------|
|                    | S1      |       |       | Z1   |       |       |
|                    | ST=5    | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6                  | 38      | 43    | 48    | 56   | 61    | 66    |
| 10                 | 41      | 46    | 56    | 62   | 67    | 77    |
| 16                 | 45      | 50    | 60    | 71   | 76    | 86    |
| 20                 | 51      | 56    | 66    | 80   | 85    | 95    |
| 25                 | 55      | 60    | 70    | 88   | 93    | 103   |
| 32                 | 57      | 62    | 72    | 99   | 104   | 114   |

### KC(D)UK-T



| 缸径<br>Bore<br>size | KCUK-T |       |       |      |       |       |
|--------------------|--------|-------|-------|------|-------|-------|
|                    | S2     |       |       | Z2   |       |       |
|                    | ST=5   | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6                  | 38     | 43    | 48    | 61   | 71    | 81    |
| 10                 | 41     | 46    | 56    | 67   | 77    | 92    |
| 16                 | 45     | 50    | 60    | 76   | 86    | 101   |
| 20                 | 41     | 46    | 56    | 75   | 85    | 100   |
| 25                 | 45     | 50    | 60    | 83   | 93    | 108   |
| 32                 | 47     | 52    | 62    | 94   | 104   | 119   |

| 缸径<br>Bore<br>size | KCDUK-T |       |       |      |       |       |
|--------------------|---------|-------|-------|------|-------|-------|
|                    | S2      |       |       | Z2   |       |       |
|                    | ST=5    | ST=10 | ST=15 | ST=5 | ST=10 | ST=15 |
| 6                  | 38      | 43    | 48    | 61   | 71    | 81    |
| 10                 | 41      | 46    | 56    | 67   | 77    | 92    |
| 16                 | 45      | 50    | 60    | 76   | 86    | 101   |
| 20                 | 51      | 56    | 66    | 85   | 95    | 110   |
| 25                 | 55      | 60    | 70    | 93   | 103   | 118   |
| 32                 | 57      | 62    | 72    | 104  | 114   | 129   |

| 缸径<br>Bore<br>size | A    | A1   | B  | B1  | C  | D  | E  | F  | FL | FK | FY   | GA   | GB   | H  | H1    | J  | K  | L  | MM       | NN               | O   | P      | Q    | QA  | R  | T               | U    | Y    |
|--------------------|------|------|----|-----|----|----|----|----|----|----|------|------|------|----|-------|----|----|----|----------|------------------|-----|--------|------|-----|----|-----------------|------|------|
| 6                  | 7    | -    | 13 | 5.5 | 22 | 3  | 7  | 8  | 9  | 11 | 20.5 | 15   | 10   | 18 | 2-1.8 | 10 | 17 | -  | M3x0.5   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 7  | 6 深 depth 4.8   | 10   | 10.5 |
| 10                 | 10   | -    | 15 | 7   | 24 | 4  | 7  | 8  | 12 | 12 | 22   | 16.5 | 10   | 21 | 2-2.4 | 11 | 18 | -  | M4x0.7   | M3x0.5 深 depth 5 | 3.2 | M5x0.8 | -    | -   | 9  | 6 深 depth 5     | 10.5 | 11.5 |
| 16                 | 11   | 12.5 | 20 | 8   | 32 | 6  | 7  | 8  | 17 | 13 | 28   | 16.5 | 11.5 | 26 | 4     | 14 | 25 | 5  | M5x0.8   | M4x0.7 深 depth 6 | 4.5 | M5x0.8 | 4    | 2   | 12 | 7.6 深 depth 6.5 | 12.5 | 15.5 |
| 20                 | 12   | 14   | 26 | 10  | 40 | 8  | 9  | 8  | 20 | 16 | 33   | 19   | 12.5 | 29 | 5     | 16 | 30 | 6  | M6x1.0   | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 16 | 9.3 深 depth 8   | 13.5 | 19.5 |
| 25                 | 15.5 | 18   | 32 | 13  | 50 | 10 | 10 | 10 | 22 | 20 | 43.5 | 21.5 | 13.5 | 33 | 5     | 20 | 38 | 8  | M8x1.25  | M5x0.8 深 depth 8 | 5.5 | M5x0.8 | 9    | 4.5 | 20 | 9.3 深 depth 9   | 19   | 24.5 |
| 32                 | 19.5 | 22   | 40 | 17  | 62 | 12 | 11 | 12 | 29 | 24 | 51.5 | 23   | 12.5 | 42 | 6     | 24 | 48 | 10 | M10x1.25 | M6x1.0 深 depth 9 | 6.6 | 1/8    | 13.5 | 4.5 | 24 | 11 深 depth 11.5 | 21   | 30.5 |