



## 订购码 Ordering Code

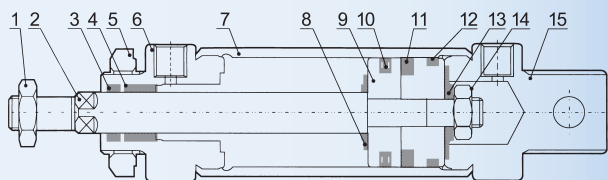
| MA                                                                                                                                                                                                                                                                                                       | - | U                                                                                                               | - | 20 x 50 | - | 25                 | - | S                                                             | - | LB                                                                                                                                                                                                                                     | - | MT                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------|---|---------|---|--------------------|---|---------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------|
| 系列代号 Series Code                                                                                                                                                                                                                                                                                         |   | 后盖型式 Back Cover Type                                                                                            |   | 缸径 Bore |   | 可调行程 Adjust Stroke |   | 磁石代号 Magnet Code                                              |   | 固定型式 Fixed Type                                                                                                                                                                                                                        |   | 磁性器类型 Sensor                                                    |
| MA: 复动型<br>MSA: 单动伸出型<br>MAD: 双轴复动型<br>MACD: 双轴复动缓冲型<br>MAC: 复动缓冲型<br>MAJ: 双轴可调型<br>MA: Double Action Type<br>MSA: Single Extrusion Type<br>MAD: Double-shaft Double Action Type<br>MACD: Double Shaft Double Action Damping Type<br>MAC: With Buffer Type<br>MAJ: Double-shaft & Adjustable Stroke Type |   | 空白: 摆尾型<br>CM: 圆尾型<br>U: 平尾型<br>Blank: Standard With Eye Mounting<br>CM: Round Rear Cover<br>U: Flat Rear Cover |   | 16~40mm |   | 0~100mm            |   | 空白: 标准型<br>S: 内置磁环<br>Blank: Without Magnet<br>S: With Magnet |   | 空白: 基本型<br>LB: 前后固定型<br>FA: 前盖固定型(前法兰)<br>SDB: 后盖固定型(斜耳环)<br>U: 后盖固定式<br>Blank: Normal type<br>LB: Front & back fixed type<br>FA: Front cover fixed type (Front flange type)<br>SDB: Back cover fixed type<br>U: Back Cover Fixed Type |   | XYC-03R磁性开关<br>钢带<br>XYC-03R<br>magnetism switch<br>Sensor bend |

## 规格 Specification

| 内径 Bore (mm)                       | 16                                                  | 20                     | 25                      | 32 | 40 |
|------------------------------------|-----------------------------------------------------|------------------------|-------------------------|----|----|
| 动作型式/Motion Pattern                | 复动型或单动式 Double Action or Single Action              |                        |                         |    |    |
| 工作介质/Working Medium                | 空气 Air                                              |                        |                         |    |    |
| 固定型式/Fixed Type                    | 基本型/Normal Type LB型/Type FA型/Type SDB型/Type U型/Type |                        |                         |    |    |
| 使用压力范围/Operating Pressure Range    | 0.1~0.9MPa                                          |                        |                         |    |    |
| 保证耐压力/Ensured Pressure Resistance  | 1.35MPa                                             |                        |                         |    |    |
| 使用温度范围/Operating Temperature Range | -5~70℃                                              |                        |                         |    |    |
| 使用速度范围/Operating Speed Range       | 50~800mm/s                                          |                        |                         |    |    |
| 缓冲型式<br>Buffer Type                | 标准型/Standard Type                                   | 防撞垫片 Anti-crash Buffer |                         |    |    |
|                                    | 缓冲型/Damping Type                                    | -                      | 可调式缓冲 Adjustable Buffer |    |    |
| 接管口径/Port Size                     | M5×0.8                                              |                        | G1/8"                   |    |    |

气缸  
Cylinder

## 内部结构 Internal Structure

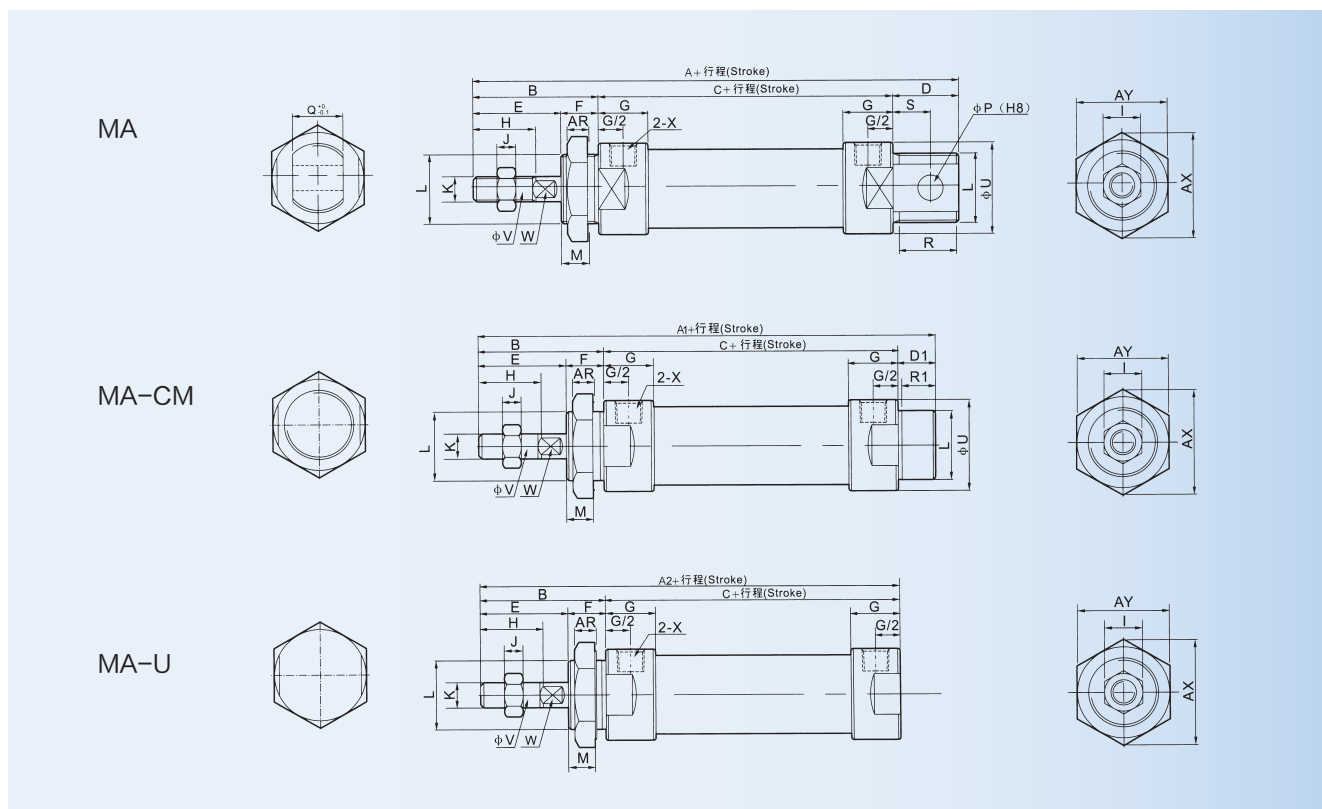


| 序号 NO. | 名称 Designation              | 序号 NO. | 名称 Designation           |
|--------|-----------------------------|--------|--------------------------|
| 1      | 活塞杆螺母 Piston Rod Nut        | 9      | 活塞 Piston                |
| 2      | 活塞杆 Piston Rod              | 10     | 活塞O型圈 Piston O-ring      |
| 3      | 前盖密封圈 Front Cover Seal Ring | 11     | 磁铁(可选) Magnet (Optional) |
| 4      | 含油轴承 Bearing                | 12     | 耐磨环 Wear Ring            |
| 5      | 前盖螺母 Front Cover Nut        | 13     | 缓冲密封圈 Seal Buffer        |
| 6      | 前盖 Front Cover              | 14     | 内六角螺栓 Hex Socket Screw   |
| 7      | 不锈钢管 Stainless Steel Tube   | 15     | 后盖 Back Over             |
| 8      | 防撞垫片 Anti-crash Buffer      |        |                          |

## 行程 Stroke

| 内径<br>Bore(mm) | 标准行程<br>Standard Stroke                                 | 最大行程<br>Max.Stroke | 容许行程<br>Permissible Stroke |
|----------------|---------------------------------------------------------|--------------------|----------------------------|
| 16             | 25 50 75 80 100 125 160 175 200                         | 300                | 500                        |
| 20             | 25 50 75 80 100 125 160 175 200 250 300                 | 500                | 650                        |
| 25             | 25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 | 500                | 650                        |
| 32             | 25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 | 500                | 650                        |
| 40             | 25 50 75 80 100 125 160 175 200 250 300 350 400 450 500 | 500                | 650                        |

## 外形尺寸 Overall Dimension



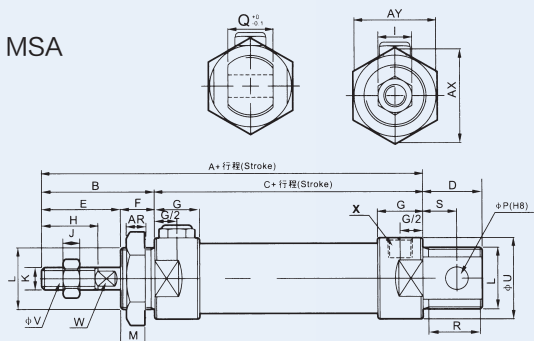
## 尺寸表 Dimension Sheet

| 内径 Bore | A   | A1  | A2  | B  | C  | D  | D1 | E  | F  | G    | H  | I  | J | K          |
|---------|-----|-----|-----|----|----|----|----|----|----|------|----|----|---|------------|
| 16      | 114 | 114 | 98  | 38 | 60 | 16 | 16 | 22 | 16 | 10   | 16 | 10 | 5 | M6 × 1     |
| 20      | 137 | 128 | 116 | 40 | 76 | 21 | 12 | 28 | 12 | 16   | 20 | 12 | 6 | M8 × 1.25  |
| 25      | 141 | 134 | 120 | 44 | 76 | 21 | 14 | 30 | 14 | 16   | 22 | 17 | 6 | M10 × 1.25 |
| 32      | 147 | 134 | 120 | 44 | 76 | 27 | 14 | 30 | 14 | 16   | 22 | 17 | 6 | M10 × 1.25 |
| 40      | 149 | 136 | 122 | 46 | 76 | 27 | 14 | 32 | 14 | 16.7 | 24 | 17 | 7 | M12 × 1.25 |

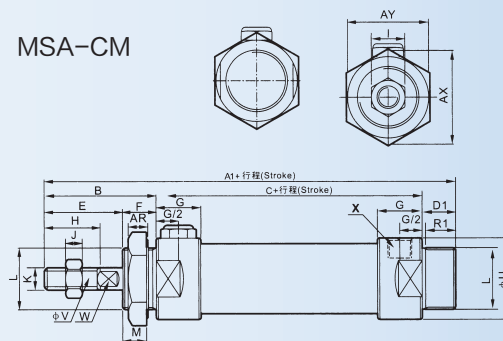
| 内径 Bore | L         | M  | P  | Q  | R  | R1 | S  | U    | V  | W  | X     | AR | AX | AY   |
|---------|-----------|----|----|----|----|----|----|------|----|----|-------|----|----|------|
| 16      | M16 × 1.5 | 14 | 6  | 12 | 14 | 14 | 9  | 21   | 6  | 5  | M5    | 6  | 24 | 27.5 |
| 20      | M22 × 1.5 | 10 | 8  | 16 | 19 | 10 | 12 | 27   | 8  | 6  | G1/8" | 7  | 33 | 29   |
| 25      | M22 × 1.5 | 12 | 8  | 16 | 19 | 12 | 12 | 30   | 10 | 8  | G1/8" | 7  | 33 | 29   |
| 32      | M24 × 2.0 | 12 | 10 | 16 | 25 | 12 | 15 | 35   | 12 | 10 | G1/8" | 8  | 37 | 32   |
| 40      | M30 × 2.0 | 12 | 12 | 20 | 25 | 12 | 15 | 41.6 | 16 | 14 | G1/8" | 9  | 47 | 41   |

### 外形尺寸 Overall Dimension

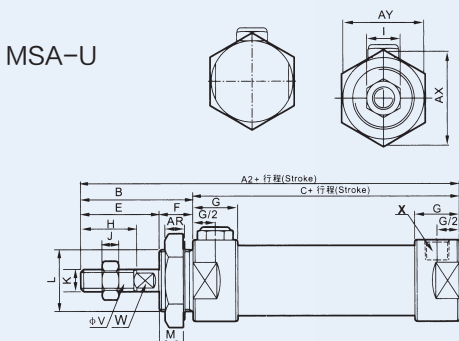
MSA



MSA-CM



MSA-U



### 尺寸表 Dimension Sheet

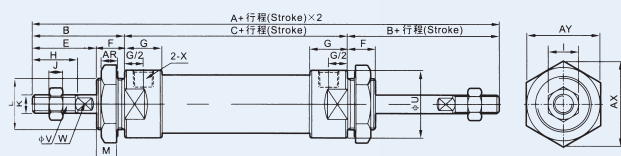
| 内径<br>Bore | A    |        | A1   |        | A2   |        | B  | C    |        |
|------------|------|--------|------|--------|------|--------|----|------|--------|
|            | 0~50 | 51~100 | 0~50 | 51~100 | 0~50 | 51~100 |    | 0~50 | 51~100 |
| 16         | 114  | 139    | 128  | 153    | 98   | 123    | 38 | 60   | 85     |
| 20         | 137  | 162    | 134  | 159    | 116  | 141    | 40 | 76   | 101    |
| 25         | 141  | 166    | 134  | 159    | 120  | 145    | 44 | 76   | 101    |
| 32         | 147  | 172    | 136  | 161    | 120  | 145    | 44 | 76   | 101    |
| 40         | 149  | 174    | 122  | 144    | 122  | 147    | 46 | 76   | 101    |

| 内径<br>Bore | D  | D1 | E  | F  | G  | H  | I  | J | K        | L       | M  | P  | Q  | R  | R1 | S  | U    | V  | W  | X     | AR | AX | AY |
|------------|----|----|----|----|----|----|----|---|----------|---------|----|----|----|----|----|----|------|----|----|-------|----|----|----|
| 16         | 16 | 16 | 22 | 16 | 10 | 16 | 10 | 5 | M6×1     | M16×1.5 | 14 | 6  | 12 | 14 | 14 | 9  | 21   | 6  | 5  | M5    | 6  | 25 | 22 |
| 20         | 21 | 12 | 28 | 12 | 16 | 20 | 12 | 6 | M8×1.25  | M22×1.5 | 10 | 8  | 16 | 19 | 10 | 12 | 27   | 8  | 6  | G1/8" | 7  | 33 | 29 |
| 25         | 21 | 14 | 30 | 14 | 16 | 22 | 17 | 6 | M10×1.25 | M22×1.5 | 12 | 8  | 16 | 19 | 12 | 12 | 30   | 10 | 8  | G1/8" | 7  | 33 | 29 |
| 32         | 27 | 14 | 30 | 14 | 16 | 22 | 17 | 6 | M10×1.25 | M24×2.0 | 12 | 10 | 16 | 25 | 12 | 15 | 35   | 12 | 10 | G1/8" | 8  | 37 | 32 |
| 40         | 27 | 14 | 32 | 14 | 22 | 24 | 17 | 7 | M12×1.25 | M30×2.0 | 12 | 12 | 20 | 25 | 12 | 15 | 41.6 | 16 | 14 | G1/8" | 9  | 47 | 41 |

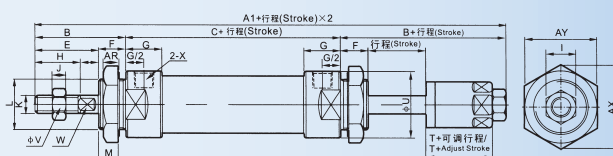
气缸  
Cylinder

### 外形尺寸 Overall Dimension

MAD



MAJ



| 内径<br>Bore | A   | A1  | B  | C  | E  | F  | G  | H  | I  | J | K        | L       | M  | U    | V  | W  | X     | AR | AX | AY | T  |
|------------|-----|-----|----|----|----|----|----|----|----|---|----------|---------|----|------|----|----|-------|----|----|----|----|
| 16         | 136 | 135 | 38 | 60 | 22 | 16 | 10 | 16 | 10 | 5 | M6×1     | M16×1.5 | 14 | 21   | 6  | 5  | M5    | 6  | 25 | 22 | 16 |
| 20         | 156 | 153 | 40 | 70 | 28 | 12 | 16 | 20 | 12 | 6 | M8×1.25  | M22×1.5 | 10 | 29   | 9  | 6  | G1/8" | 7  | 33 | 29 | 19 |
| 25         | 164 | 161 | 44 | 70 | 30 | 14 | 16 | 22 | 17 | 6 | M10×1.25 | M22×1.5 | 12 | 34   | 10 | 8  | G1/8" | 7  | 33 | 29 | 21 |
| 32         | 164 | 161 | 44 | 70 | 30 | 14 | 16 | 22 | 17 | 6 | M10×1.25 | M24×1.5 | 12 | 39.5 | 12 | 10 | G1/8" | 8  | 37 | 32 | 21 |
| 40         | 168 | 164 | 46 | 92 | 32 | 14 | 22 | 14 | 17 | 7 | M12×1.25 | M30×2.0 | 12 | 49.5 | 16 | 12 | G1/8" | 9  | 47 | 41 | 21 |