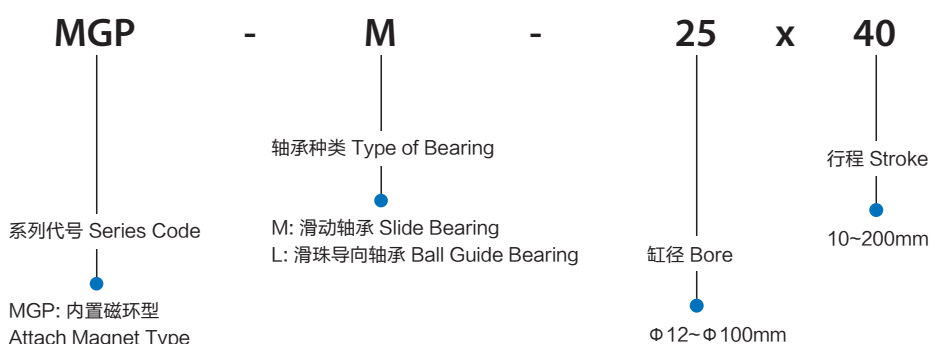




### 订购码 Ordering Code



### 规格 Specification

| 内径 Bore (mm)                                     |                           | 12                                           | 16 | 20     | 25 | 32     | 40 | 50     | 63 | 80         | 100 |
|--------------------------------------------------|---------------------------|----------------------------------------------|----|--------|----|--------|----|--------|----|------------|-----|
| 工作介质/Working Medium                              |                           | 空气 Air                                       |    |        |    |        |    |        |    |            |     |
| 动作型式/Motion Pattern                              |                           | 复动型 Double Action                            |    |        |    |        |    |        |    |            |     |
| 保证耐压力/Ensured Pressure Resistance                |                           | 1.5MPa (15.3kgf/cm <sup>2</sup> )            |    |        |    |        |    |        |    |            |     |
| 最高使用压力/Max. Working Pressure                     |                           | 1.0MPa (10.2kgf/cm <sup>2</sup> )            |    |        |    |        |    |        |    |            |     |
| 最低使用压力/Min. Working Pressure                     |                           | 0.12MPa (1.2kgf/cm <sup>2</sup> )            |    |        |    |        |    |        |    |            |     |
| 环境和流体温度/Ambient & Medium Temp.                   |                           | -10~+60℃                                     |    |        |    |        |    |        |    |            |     |
| 活塞速度/Piston Speed                                |                           | 50~500mm/s                                   |    |        |    |        |    |        |    | 50~400mm/s |     |
| 缓冲/Buffering                                     |                           | 橡胶缓冲 Rubber Cushion                          |    |        |    |        |    |        |    |            |     |
| 行程公差/Tolerance of Stroke (mm)                    |                           | +1.5<br>0mm                                  |    |        |    |        |    |        |    |            |     |
| 轴承/Bearing                                       |                           | 滑动轴承/滚珠导向轴承 (Slide bearing/ball guide bding) |    |        |    |        |    |        |    |            |     |
| 活塞杆不转动精度<br>Precision of Piston Rod Non-rotating | 滑动轴承 Slide Bearing        | ±0.08°                                       |    | ±0.07° |    | ±0.06° |    | ±0.05° |    | ±0.04°     |     |
|                                                  | 滚珠导向轴承 Ball Guide Bearing | ±0.10°                                       |    | ±0.09° |    | ±0.08° |    | ±0.06° |    | ±0.05°     |     |
| 接管口径/Port Size                                   |                           | M5×0.8                                       |    | G1/8"  |    |        |    | G1/4"  |    | G3/8"      |     |

气缸  
Cylinder

### 行程 Stroke

| 内径 Bore (mm) | 标准行程 Standard Stroke                                            |
|--------------|-----------------------------------------------------------------|
| 12, 16       | 10, 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250            |
| 20, 25       | 20, 30, 40, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400 |
| 32~100       | 25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400         |

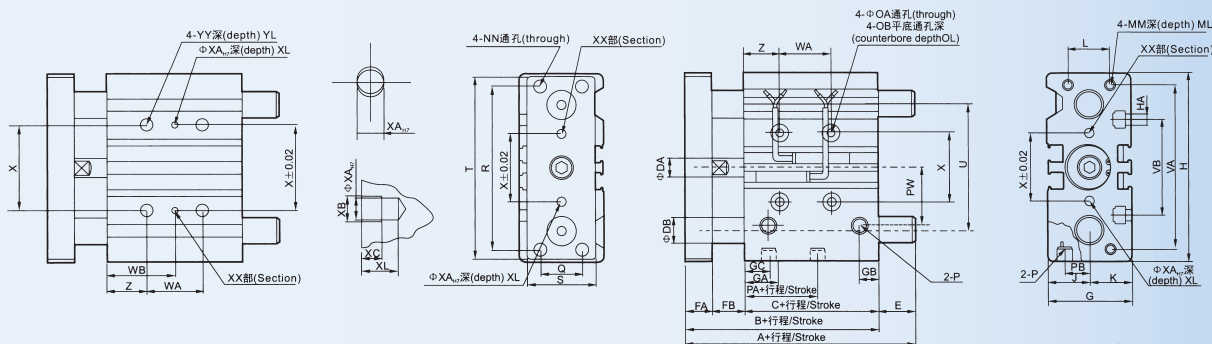
# MGP系列新薄型带导杆气缸

MGP Series Three-Shaft Cylinder

DGE

## 外形尺寸 Overall Dimension

Φ12~Φ25



## 尺寸表 Dimension Sheet

MGPM, MGPL尺寸表 (Φ12~Φ25)

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke           | B    | C    | DA | FA | FB | G  | GA   | GB  | H  | HA | J  | K  | L  | MM     | ML | NN     | OA  |
|------------|----------------------------------------|------|------|----|----|----|----|------|-----|----|----|----|----|----|--------|----|--------|-----|
| 12         | 10,20,30,40,50,<br>75,100              | 42   | 29   | 6  | 8  | 5  | 26 | 11   | 7.5 | 58 | M4 | 13 | 13 | 18 | M4×0.7 | 10 | M4×0.7 | 4.3 |
| 16         |                                        | 46   | 33   | 8  | 8  | 5  | 30 | 11   | 8   | 64 | M4 | 15 | 15 | 22 | M5×0.8 | 12 | M5×0.8 | 4.3 |
| 20         | 20,30,40,50,75,100,<br>125,150,175,200 | 53   | 37   | 10 | 10 | 6  | 36 | 10.5 | 8.5 | 83 | M5 | 18 | 18 | 24 | M5×0.8 | 13 | M5×0.8 | 5.6 |
| 25         |                                        | 53.5 | 37.5 | 12 | 10 | 6  | 42 | 11.5 | 9   | 93 | M5 | 21 | 21 | 30 | M6×1.0 | 15 | M6×1.0 | 5.6 |

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke           | OB  | OL  | P      | PA   | PB   | PW   | Q  | R  | S  | T  | U  | VA | VB | X  | XA | XB  | XC | XL |
|------------|----------------------------------------|-----|-----|--------|------|------|------|----|----|----|----|----|----|----|----|----|-----|----|----|
| 12         | 10,20,30,40,50,<br>75,100              | 8   | 4.5 | M5×0.8 | 13   | 8    | 18   | 14 | 48 | 22 | 56 | 41 | 50 | 37 | 23 | 3  | 3.5 | 3  | 6  |
| 16         |                                        | 8   | 4.5 | M5×0.8 | 15   | 10   | 19   | 16 | 54 | 25 | 62 | 46 | 56 | 38 | 24 | 3  | 3.5 | 3  | 6  |
| 20         | 20,30,40,50,75,100,<br>125,150,175,200 | 9.5 | 5.5 | RC1/8  | 12.5 | 10.5 | 25   | 18 | 70 | 30 | 81 | 54 | 72 | 44 | 28 | 3  | 3.5 | 3  | 6  |
| 25         |                                        | 9.5 | 5.5 | RC1/8  | 12.5 | 13.5 | 28.5 | 26 | 78 | 38 | 91 | 64 | 82 | 50 | 34 | 4  | 4.5 | 3  | 6  |

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke           | WA                   |                          |                      | WB                   |                          |                      | YY     | YL | Z  |
|------------|----------------------------------------|----------------------|--------------------------|----------------------|----------------------|--------------------------|----------------------|--------|----|----|
|            |                                        | 30 或以下<br>st or less | Over 40 st to<br>至100 st | 125或以下<br>st or less | 30 或以下<br>st or less | Over 40 st to<br>至100 st | 125或以下<br>st or less |        |    |    |
| 12         | 10,20,30,40,50,<br>75,100              | 20                   | 40                       | —                    | 15                   | 25                       | —                    | M5×0.8 | 10 | 5  |
| 16         |                                        | 24                   | 44                       | —                    | 17                   | 27                       | —                    | M5×0.8 | 10 | 5  |
| 20         | 20,30,40,50,75,100,<br>125,150,175,200 | 24                   | 44                       | 120                  | 29                   | 39                       | 77                   | M6×1.0 | 12 | 17 |
| 25         |                                        | 24                   | 44                       | 120                  | 29                   | 39                       | 77                   | M6×1.0 | 12 | 17 |

MGPM (滑动轴承 Slide bearing)

| 内径<br>Bore | A         |                   |            | DB | E         |                   |            |
|------------|-----------|-------------------|------------|----|-----------|-------------------|------------|
|            | 50st<br>≥ | 50st <<br>100st ≥ | 100st<br>< |    | 50st<br>≥ | 50st <<br>100st ≥ | 100st<br>< |
| 12         | 42        | 60.5              | 85         | 8  | 0         | 18.5              | 43         |
| 16         | 46        | 64.5              | 95         | 10 | 0         | 18.5              | 49         |

MGPL (滚动导向轴承 Ball guide bearing)

| 内径<br>Bore | A         |                   |            | DB | E         |                   |            |
|------------|-----------|-------------------|------------|----|-----------|-------------------|------------|
|            | 30st<br>≥ | 30st <<br>100st ≥ | 100st<br>< |    | 30st<br>≥ | 30st <<br>100st ≥ | 100st<br>< |
| 12         | 43        | 55                | 85         | 6  | 1         | 13                | 43         |
| 16         | 49        | 65                | 95         | 8  | 3         | 19                | 49         |

MGPM (滑动轴承 Slide bearing)

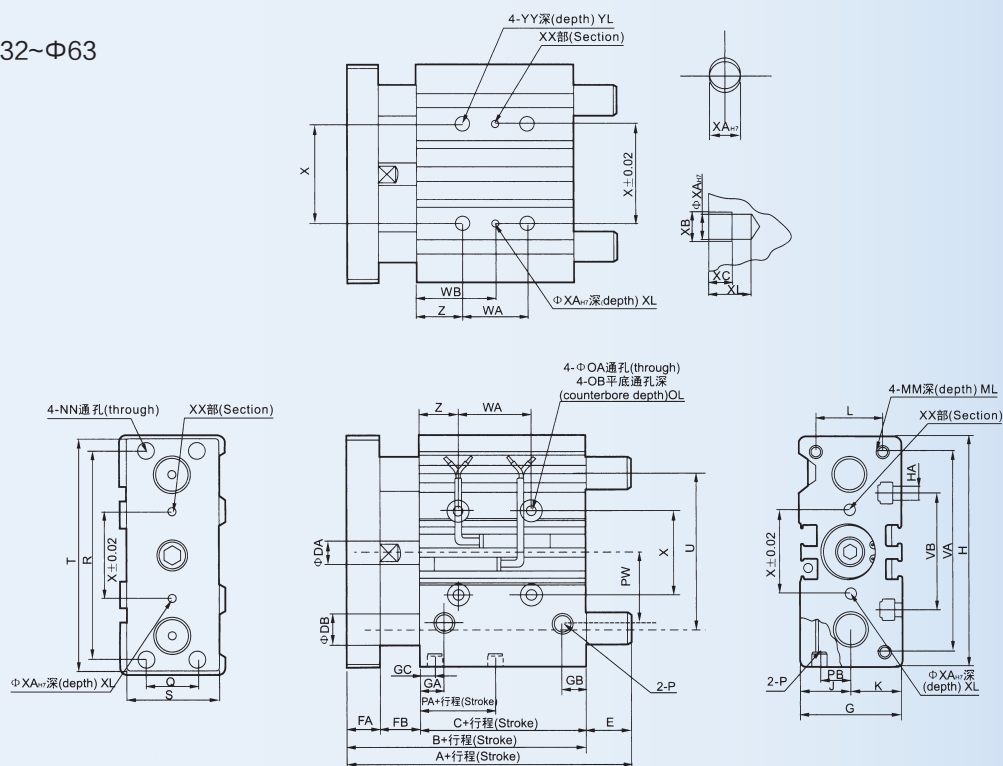
| 内径<br>Bore | A         |                   |            | DB | E         |                   |            |
|------------|-----------|-------------------|------------|----|-----------|-------------------|------------|
|            | 50st<br>≥ | 50st <<br>200st ≥ | 200st<br>< |    | 50st<br>≥ | 50st <<br>200st ≥ | 200st<br>< |
| 20         | 53        | 84.5              | 122        | 16 | 0         | 31.5              | 69         |
| 25         | 53.5      | 85                | 122        | 20 | 0         | 31.5              | 68.5       |

MGPL (滚动导向轴承 Ball guide bearing)

| 内径<br>Bore | A         |                   |                    |            | DB | E         |                   |                    |            |
|------------|-----------|-------------------|--------------------|------------|----|-----------|-------------------|--------------------|------------|
|            | 30st<br>≥ | 30st <<br>100st ≥ | 100st <<br>200st ≥ | 200st<br>< |    | 50st<br>≥ | 50st <<br>100st ≥ | 100st <<br>200st ≥ | 200st<br>< |
| 20         | 63        | 80                | 104                | 122        | 10 | 10        | 27                | 51                 | 69         |
| 25         | 69.5      | 80.5              | 104.5              | 122        | 13 | 16        | 32                | 51                 | 68.5       |

### 外形尺寸 Overall Dimension

Φ32~Φ63



### 尺寸表 Dimension Sheet

MGPM, MGPL尺寸表 (Φ32~Φ63)

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke         | B    | C    | DA | FA | FB | G  | GA   | GB   | GC   | H   | HA  | J  | K  | L  | MM        | ML | NN        | OA  | OB | OL  | P     | PA | PB   |
|------------|--------------------------------------|------|------|----|----|----|----|------|------|------|-----|-----|----|----|----|-----------|----|-----------|-----|----|-----|-------|----|------|
| 32         | 25,50,70,100,<br>125,150,175,<br>200 | 59.5 | 37.5 | 16 | 12 | 10 | 48 | 12.5 | 9    | 12.5 | 112 | M6  | 24 | 24 | 34 | M8 × 1.25 | 20 | M8 × 1.25 | 6.6 | 11 | 7.5 | RC1/8 | 7  | 15   |
| 40         |                                      | 66   | 44   | 16 | 12 | 10 | 54 | 14   | 10   | 14   | 120 | M6  | 27 | 27 | 40 | M8 × 1.25 | 20 | M8 × 1.25 | 6.6 | 11 | 7.5 | RC1/8 | 13 | 18   |
| 50         |                                      | 72   | 44   | 20 | 16 | 12 | 64 | 14   | 11   | 12   | 148 | M8  | 32 | 32 | 46 | M10 × 1.5 | 22 | M10 × 1.5 | 8.6 | 14 | 9   | RC1/4 | 9  | 21.5 |
| 63         |                                      | 77   | 49   | 20 | 16 | 12 | 78 | 16.5 | 13.5 | 16.5 | 162 | M10 | 39 | 39 | 58 | M10 × 1.5 | 22 | M10 × 1.5 | 8.6 | 14 | 9   | RC1/4 | 14 | 28   |

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke         | PW | Q  | R   | S  | T   | U   | VA  | VB  | WA    |                  |                        | WB    |                  |                        | X  | XA | XB  | XC | XL | YY        | YL | Z  |
|------------|--------------------------------------|----|----|-----|----|-----|-----|-----|-----|-------|------------------|------------------------|-------|------------------|------------------------|----|----|-----|----|----|-----------|----|----|
|            |                                      |    |    |     |    |     |     |     |     | 25 st | 50,75,<br>100 st | 100 st 或以上<br>or above | 25 st | 50,75,<br>100 st | 100 st 或以上<br>or above |    |    |     |    |    |           |    |    |
| 32         | 25,50,70,100,<br>125,150,175,<br>200 | 34 | 30 | 96  | 44 | 110 | 78  | 98  | 63  | 24    | 48               | 124                    | 33    | 45               | 83                     | 42 | 4  | 4.5 | 3  | 6  | M8 × 1.25 | 16 | 21 |
| 40         |                                      | 38 | 30 | 104 | 44 | 118 | 86  | 106 | 72  | 24    | 48               | 124                    | 34    | 46               | 84                     | 50 | 4  | 4.5 | 3  | 6  | M8 × 1.25 | 16 | 22 |
| 50         |                                      | 47 | 40 | 130 | 60 | 146 | 110 | 130 | 92  | 24    | 48               | 124                    | 36    | 48               | 86                     | 66 | 5  | 6   | 4  | 8  | M10 × 1.5 | 20 | 24 |
| 63         |                                      | 55 | 50 | 130 | 70 | 158 | 124 | 142 | 110 | 28    | 52               | 128                    | 38    | 50               | 88                     | 80 | 5  | 6   | 4  | 8  | M10 × 1.5 | 20 | 24 |

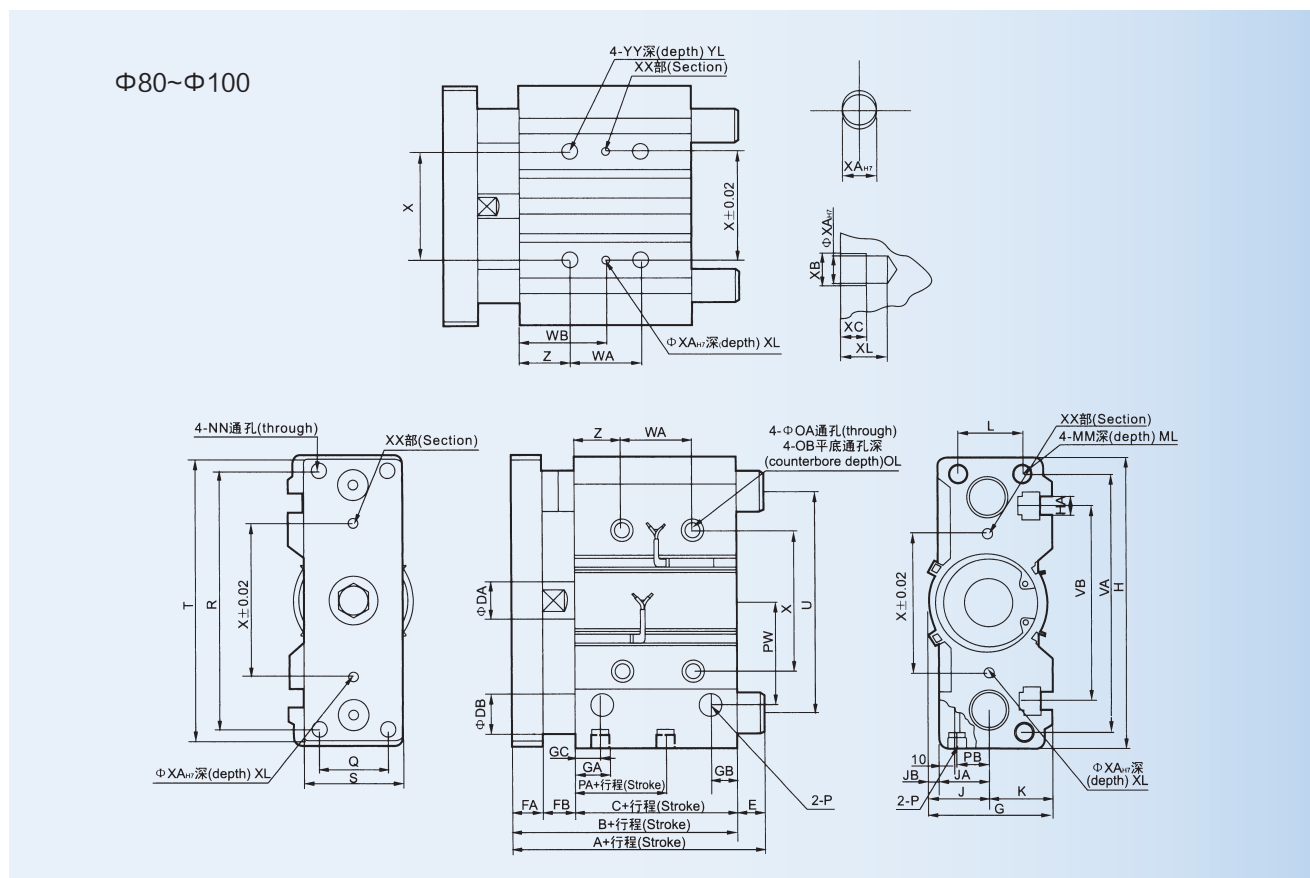
MGPM (滑动轴承 Slide bearing)

| 内径<br>Bore | A      |                   |         | DB | E      |                   |         |
|------------|--------|-------------------|---------|----|--------|-------------------|---------|
|            | 50st ≥ | 50st <<br>200st ≥ | 200st < |    | 50st ≥ | 50st <<br>200st ≥ | 200st < |
| 32         | 97     | 102               | 140     | 20 | 37.5   | 42.5              | 80.5    |
| 40         | 97     | 102               | 140     | 20 | 31     | 36                | 74      |
| 50         | 106.5  | 118               | 161     | 25 | 34.5   | 46                | 89      |
| 63         | 106.5  | 118               | 161     | 25 | 29.5   | 41                | 84      |

MGPL (滚动导向轴承 Ball guide bearing)

| 内径<br>Bore | A      |                   |                    |         | DB | E      |                   |                    |         |
|------------|--------|-------------------|--------------------|---------|----|--------|-------------------|--------------------|---------|
|            | 50st ≥ | 50st <<br>100st ≥ | 100st <<br>200st ≥ | 200st < |    | 50st ≥ | 50st <<br>200st ≥ | 100st <<br>200st ≥ | 200st < |
| 32         | 81     | 98                | 118                | 140     | 16 | 21.5   | 38.5              | 58.5               | 80      |
| 40         | 81     | 98                | 118                | 140     | 16 | 15     | 32                | 52                 | 74      |
| 50         | 93     | 114               | 134                | 161     | 20 | 21     | 42                | 62                 | 89      |
| 63         | 93     | 114               | 134                | 161     | 20 | 16     | 37                | 57                 | 84      |

### 外形尺寸 Overall Dimension



### 尺寸表 Dimension Sheet

MGPM, MGPL尺寸表 (Φ80~Φ100)

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke | B    | C    | DA | FA | FB | G     | GA | GB   | GC   | H   | HA  | J    | K  | LA | JB   | K  | L  |
|------------|------------------------------|------|------|----|----|----|-------|----|------|------|-----|-----|------|----|----|------|----|----|
| 80         | 20,50,75,100,125,            | 95.5 | 56.5 | 25 | 22 | 18 | 91.5  | 19 | 15.5 | 14.5 | 202 | M12 | 45.5 | 46 | 38 | 7.5  | 46 | 54 |
| 100        | 150,175, 200                 | 116  | 66   | 30 | 25 | 25 | 111.5 | 23 | 19   | 18   | 240 | M14 | 55.5 | 56 | 45 | 10.5 | 56 | 62 |

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke | MM         | ML | NN         | OA   | OB   | OL | P     | PA   | PB   | PW | Q  | R   | S  | T   | U   | VA  | VB  |
|------------|------------------------------|------------|----|------------|------|------|----|-------|------|------|----|----|-----|----|-----|-----|-----|-----|
| 80         | 20,50,75,100,125,            | M12 × 1.75 | 30 | M12 × 1.75 | 10.6 | 17.5 | 8  | RC3/8 | 14.5 | 25.5 | 74 | 52 | 174 | 75 | 198 | 156 | 180 | 140 |
| 100        | 150,175, 200                 | M14 × 2.0  | 32 | M14 × 2.0  | 12.5 | 20   | 8  | RC3/8 | 17.5 | 32.5 | 89 | 64 | 210 | 90 | 236 | 188 | 210 | 166 |

| 内径<br>Bore | 标准行程 (mm)<br>Standard Stroke | WA    |                  |                        | WB    |                  |                        | X   | XA | XB | XC | XL | YY         | YL | Z  |
|------------|------------------------------|-------|------------------|------------------------|-------|------------------|------------------------|-----|----|----|----|----|------------|----|----|
|            |                              | 25 st | 50,75,<br>100 st | 100 st<br>或以上 or above | 25 st | 50,75,<br>100 st | 100 st<br>或以上 or above |     |    |    |    |    |            |    |    |
| 80         | 20,50,75,100,125,            | 28    | 52               | 128                    | 42    | 54               | 92                     | 100 | 6  | 7  | 5  | 10 | M12 × 1.75 | 24 | 28 |
| 100        | 150,175, 200                 | 48    | 72               | 148                    | 35    | 47               | 85                     | 124 | 6  | 7  | 5  | 10 | M14 × 2.0  | 28 | 11 |

MGPM (滑动轴承 Slide bearing)

| 内径<br>Bore | A      |                   |         | DB | E      |                   |         |
|------------|--------|-------------------|---------|----|--------|-------------------|---------|
|            | 50st ≥ | 50st <<br>200st ≥ | 200st < |    | 50st ≥ | 50st <<br>200st ≥ | 200st < |
| 80         | 115    | 142               | 193     | 30 | 18.5   | 45.5              | 96.5    |
| 100        | 137    | 162               | 203     | 36 | 21     | 46                | 87      |

MGPL (滚动导向轴承 Ball guide bearing)

| 内径<br>Bore | A      |                   |                    |         | DB | E      |                   |                    |         |
|------------|--------|-------------------|--------------------|---------|----|--------|-------------------|--------------------|---------|
|            | 50st ≥ | 50st <<br>100st ≥ | 100st <<br>200st ≥ | 200st < |    | 50st ≥ | 50st <<br>200st ≥ | 100st <<br>200st ≥ | 200st < |
| 80         | 109.5  | 130               | 160                | 193     | 25 | 13     | 33.5              | 63.5               | 96.5    |
| 100        | 121    | 147               | 180                | 203     | 30 | 5      | 31                | 64                 | 87      |