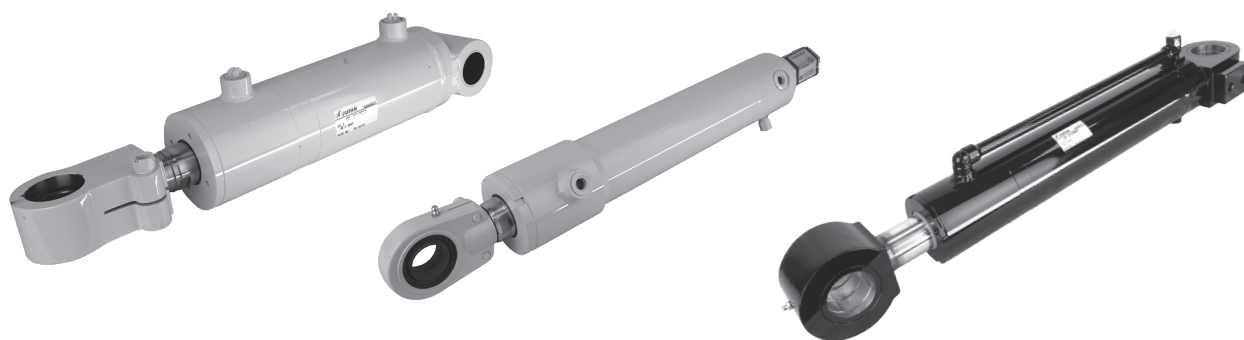


# RD

## 圓型油缸

Products Contents

產品目錄



應用範例



## 油缸特性

|          |              |                                                                                                                                       |            |                        |           |
|----------|--------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|------------------------|-----------|
| 油缸特性     |              | RD70                                                                                                                                  |            | RD160                  |           |
| 最大工作壓力   |              | 70kgf/cm <sup>2</sup>                                                                                                                 |            | 160kgf/cm <sup>2</sup> |           |
| 最大測試壓力   |              | 105kgf/cm <sup>2</sup>                                                                                                                |            | 240kgf/cm <sup>2</sup> |           |
| 油溫範圍     | 一般油封         | -10°~80°C                                                                                                                             |            |                        |           |
|          | 耐熱耐酸鹼        | -30°~200°C                                                                                                                            |            |                        |           |
| 行程公差(mm) |              | 行程                                                                                                                                    | 容許公差       | 行程                     | 容許公差      |
|          |              | ≤100                                                                                                                                  | +0.8<br>0  | 631~1000               | +1.4<br>0 |
|          |              | 101~250                                                                                                                               | +1.0<br>0  | 1001~1600              | +1.6<br>0 |
|          |              | 251~630                                                                                                                               | +1.25<br>0 | 1601~2000              | +1.8<br>0 |
| 緩衝裝置     |              | 1.油缸荷重後,作動速度達500mm/s以上時，考慮裝置緩衝。<br>2.達到某一更高速度時，外部加裝減速閥<br>3.緩衝記號表示法：(1)N(或無記號)：表示無緩衝<br>(2)B：表示前後皆有緩衝<br>(3)R：表示前蓋有緩衝<br>(4)H：表示后蓋有緩衝 |            |                        |           |
| 液壓油與油封   | 一般礦物油(T:R68) | 脲橡膠(PU)                                                                                                                               | 腈橡膠(NBR)   | 氟橡膠(FPM)               |           |
|          |              | ●                                                                                                                                     | ●          | ●                      |           |
|          | 水系           | X                                                                                                                                     | ●          | ●                      |           |
|          | 水油. 油水系      | X                                                                                                                                     | ●          | ●                      |           |
|          | 磷酸脂液         | X                                                                                                                                     | X          | ●                      |           |

柱型  
油缸

模具  
油缸

夾治具/  
轉角油缸

打刀  
油缸

工程  
冶金  
油缸

圓形  
油缸

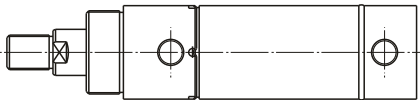
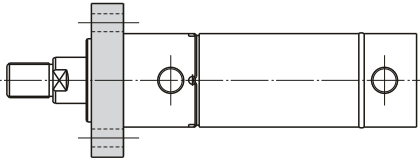
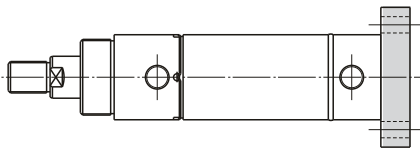
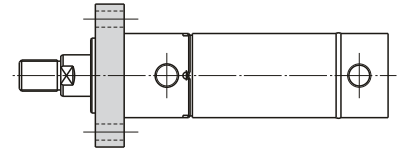
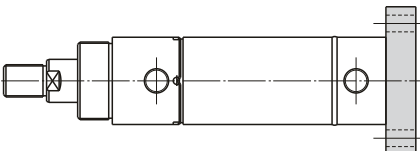
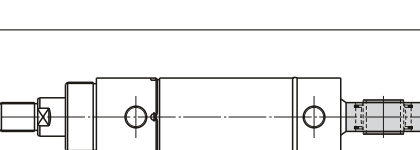
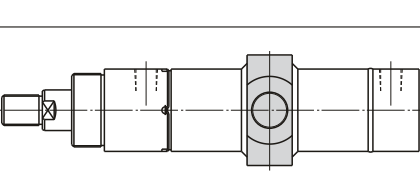
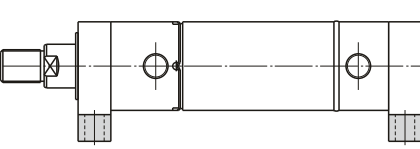
特殊  
油缸

## 液壓單元 及輔件

理論出力表

| 內徑<br>(mm) | 活塞受壓面積(cm <sup>2</sup> ) |      |      | 理論出力(kgf)                    |        |        |                               |        |        |
|------------|--------------------------|------|------|------------------------------|--------|--------|-------------------------------|--------|--------|
|            | 推<br><br>側               | 拉 側  |      | 使用壓力70(kgf/cm <sup>2</sup> ) |        |        | 使用壓力160(kgf/cm <sup>2</sup> ) |        |        |
|            |                          | 軸 徑  |      | 推<br><br>側                   | 軸 徑    |        | 推<br><br>側                    | 軸 徑    |        |
|            |                          | C級   | B級   |                              | C級     | B級     |                               | C級     | B級     |
| 25         | 4.9                      | 2.9  | 2.4  | 343                          | 203    | 168    | 784                           | 464    | 384    |
| 32         | 8                        | 5.5  | 4.2  | 560                          | 385    | 294    | 1280                          | 880    | 672    |
| 40         | 12.6                     | 8.8  | 6.4  | 882                          | 616    | 448    | 2016                          | 1408   | 1024   |
| 50         | 19.6                     | 13.4 | 9.4  | 1372                         | 938    | 658    | 3136                          | 2144   | 1504   |
| 63         | 31.2                     | 21   | 15.3 | 2184                         | 1470   | 1071   | 4992                          | 3360   | 2448   |
| 80         | 50.3                     | 34.4 | 25.7 | 3521                         | 2408   | 1799   | 8048                          | 5504   | 4112   |
| 100        | 78.5                     | 54   | 47.4 | 5495                         | 3780   | 3318   | 12560                         | 8640   | 7584   |
| 125        | 122.7                    | 91.6 | 66   | 8589                         | 6412   | 4620   | 19632                         | 14656  | 10560  |
| 160        | 201                      | 144  | 130  | 14070                        | 10080  | 9100   | 32160                         | 23040  | 20800  |
| 200        | 314                      | 243  | 216  | 21980                        | 17010  | 15120  | 50240                         | 38880  | 34560  |
| 250        | 491                      | 393  | 368  | 34370                        | 27510  | 25760  | 78560                         | 62880  | 58880  |
| 320        | 804                      | 681  | 603  | 56280                        | 47670  | 42210  | 128640                        | 108960 | 96480  |
| 400        | 1256                     | 1055 | 942  | 87920                        | 73850  | 65940  | 200960                        | 168800 | 150720 |
| 500        | 1962                     | 1648 | 1471 | 137340                       | 115360 | 102970 | 313920                        | 263680 | 235360 |

安裝形式

| ISO型号 | 参考型号 | 称呼    | 圓形                                                                                   | 内徑     |
|-------|------|-------|--------------------------------------------------------------------------------------|--------|
|       | SD   | 基本型   |    | 25~500 |
| MF1   | FA   | 前法蘭型  |    | 25~125 |
| MF2   | FB   | 後法蘭型  |    |        |
| MF3   | FC   | 前圓形法蘭 |   | 25~500 |
| MF4   | FD   | 後圓形法蘭 |  |        |
| MP3   | CA   | 單山型   |  |        |
| MP5   | CAI  | 配球形軸承 |  |        |
| MT4   | TC   | 中間砲耳型 |  |        |
| MS2   | LA   | 徑向腳座型 |  | 25~200 |

柱型  
油缸

模具  
油缸

夾治具/  
轉角油缸

打刀  
油缸

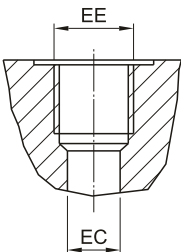
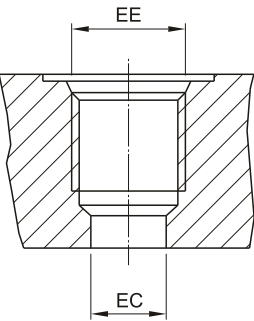
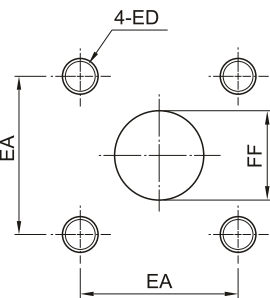
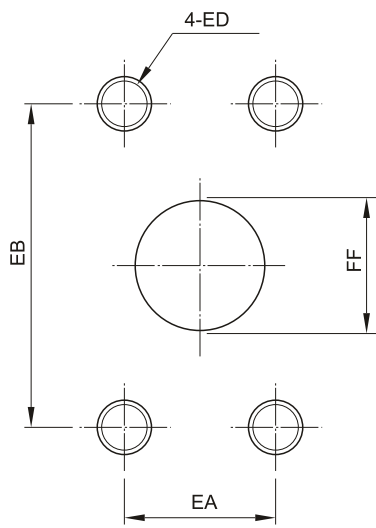
工程  
冶金  
油缸

圓形  
油缸

特殊  
油缸

液壓單元  
及輔件

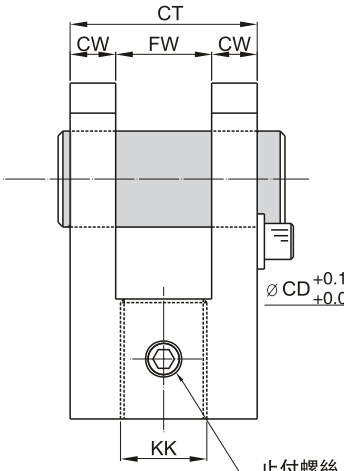
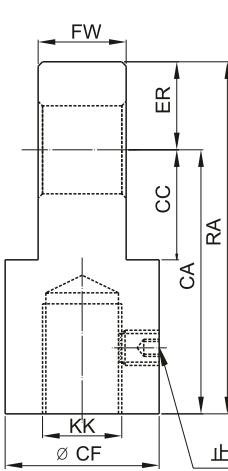
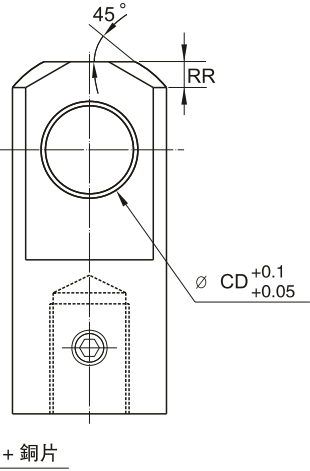
## 入油口規格

| ISO 規格     | ISO1179-1                                                                         |            | ISO6149-1                                                                          |            | ISO6164                                                                            |      |          | ISO6162-1                                                                            |             |             |          |
|------------|-----------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|------|----------|--------------------------------------------------------------------------------------|-------------|-------------|----------|
| 稱呼         | G<br>管用平行牙                                                                        |            | M<br>公制直牙                                                                          |            | F<br>方形法蘭                                                                          |      |          | MM<br>矩形法蘭                                                                           |             |             |          |
| 圓形         |  |            |  |            |  |      |          |  |             |             |          |
| 記號<br>內徑   | EE                                                                                | EC<br>(參考) | EE                                                                                 | EC<br>(參考) | FF<br>(最大)                                                                         | EA   | ED       | FF<br>-1.5<br>0                                                                      | EA<br>±0.25 | EB<br>±0.25 | ED       |
| 25         | G1/4                                                                              | 7.5        | M14x1.5                                                                            | 7.5        | -                                                                                  | -    | -        | -                                                                                    | -           | -           | -        |
| 32         | G3/8                                                                              | 9          | M18x1.5                                                                            | 11         | -                                                                                  | -    | -        | -                                                                                    | -           | -           | -        |
| 40<br>50   | G1/2                                                                              | 14         | M22x1.5                                                                            | 14         | -                                                                                  | -    | -        | -                                                                                    | -           | -           | -        |
| 63<br>80   | G3/4                                                                              | 18         | M27x2                                                                              | 18         | 15                                                                                 | 29.7 | M8x1.25  | 12                                                                                   | 17.5        | 38.1        | M8x12.5  |
| 100<br>125 | G1                                                                                | 23         | M33x2                                                                              | 23         | 20                                                                                 | 35.4 | M8x1.25  | 20                                                                                   | 22.3        | 47.6        | M10x1.5  |
| 160<br>200 | G1 1/4                                                                            | 30         | M42x2                                                                              | 30         | 25                                                                                 | 43.8 | M10x1.5  | 25                                                                                   | 26.2        | 52.4        | M10x1.5  |
| 250<br>320 | G1 1/2                                                                            | 36         | M48x2                                                                              | 36         | 32                                                                                 | 51.6 | M12x1.75 | 32                                                                                   | 30.2        | 58.7        | M10x1.5  |
| 400<br>500 | -                                                                                 | -          | M60x2                                                                              | 46         | 38                                                                                 | 60.1 | M16x2    | 38                                                                                   | 35.7        | 69.9        | M12x1.75 |

軸端接頭

●Y接頭

●I接頭

| <div><div></div><div></div><div></div></div> |          |         |                   |                     |     |     |     |     |     |     |     |     |      |     |     |      |    |    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|-------------------|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|------|----|----|
| 記號<br>內徑                                                                                                                                                                                                                                                                                           | KK       |         | FW                |                     | CA  |     | CC  |     | RA  |     | CF  |     | CD   | CT  | ER  | CW   | RP | RP |
|                                                                                                                                                                                                                                                                                                    | C軸       | B軸      | Y                 | I                   | Y   | I   | Y   | I   | Y   | I   | Y   | I   |      |     |     |      |    |    |
| 25                                                                                                                                                                                                                                                                                                 | M12x1.25 | M14x1.5 | +0.4<br>0<br>20   | -0.1<br>-0.4<br>20  | 49  | 69  | 24  | 24  | 65  | 85  | 32  | 38  | 16   | 45  | 16  | 12.5 | 8  | 8  |
| 32                                                                                                                                                                                                                                                                                                 | M14x1.5  | M16x1.5 |                   |                     | 49  | 69  | 24  | 24  | 65  | 85  | 32  | 38  | 16   | 45  | 16  | 12.5 | 8  | 8  |
| 40                                                                                                                                                                                                                                                                                                 | M16x1.5  | M20x1.5 |                   |                     | 49  | 69  | 24  | 24  | 65  | 85  | 32  | 38  | 16   | 45  | 16  | 12.5 | 8  | 8  |
| 50                                                                                                                                                                                                                                                                                                 | M20x1.5  | M27x2   | +0.4<br>+0<br>25  | -0.1<br>-0.4<br>25  | 60  | 80  | 35  | 30  | 80  | 100 | 40  | 44  | 20   | 55  | 20  | 15   | 10 | 10 |
| 63                                                                                                                                                                                                                                                                                                 | M27x2    | M33x2   | +0.4<br>+0<br>30  | -0.1<br>-0.4<br>30  | 75  | 105 | 40  | 45  | 105 | 135 | 60  | 60  | 31.5 | 63  | 30  | 16.5 | 15 | 15 |
| 80                                                                                                                                                                                                                                                                                                 | M33x2    | M42x2   |                   |                     | 75  | 105 | 40  | 45  | 105 | 135 | 60  | 60  | 31.5 | 63  | 30  | 16.5 | 15 | 15 |
| 100                                                                                                                                                                                                                                                                                                | M42x2    | M48x2   | +0.4<br>+0<br>40  | -0.1<br>-0.4<br>40  | 100 | 120 | 50  | 50  | 140 | 160 | 70  | 70  | 40   | 78  | 40  | 19   | 20 | 20 |
| 125                                                                                                                                                                                                                                                                                                | M48x2    | M64x3   | +0.4<br>+0<br>63  | -0.1<br>-0.4<br>63  | 180 | 180 | 70  | 65  | 230 | 230 | 100 | 100 | 50   | 126 | 50  | 31.5 | 25 | 25 |
| 160                                                                                                                                                                                                                                                                                                | M64x3    | M80x3   | +0.6<br>+0<br>80  | -0.1<br>-0.6<br>80  | 240 | 240 | 100 | 90  | 310 | 310 | 140 | 140 | 71   | 160 | 70  | 40   | 35 | 35 |
| 200                                                                                                                                                                                                                                                                                                | M80x3    | M100x3  | +0.6<br>+0<br>125 | -0.1<br>-0.6<br>125 | 210 | 210 | 115 | 115 | 300 | 300 | 180 | 180 | 90   | 225 | 90  | 50   | 45 | 45 |
| 250                                                                                                                                                                                                                                                                                                | M100x3   | M125x4  |                   |                     | 245 | 245 | 125 | 125 | 345 | 345 | 200 | 200 | 100  | 251 | 100 | 63   | 50 | 50 |

柱型  
油缸

模具  
油缸

夾治具/  
轉角油缸

打刀  
油缸

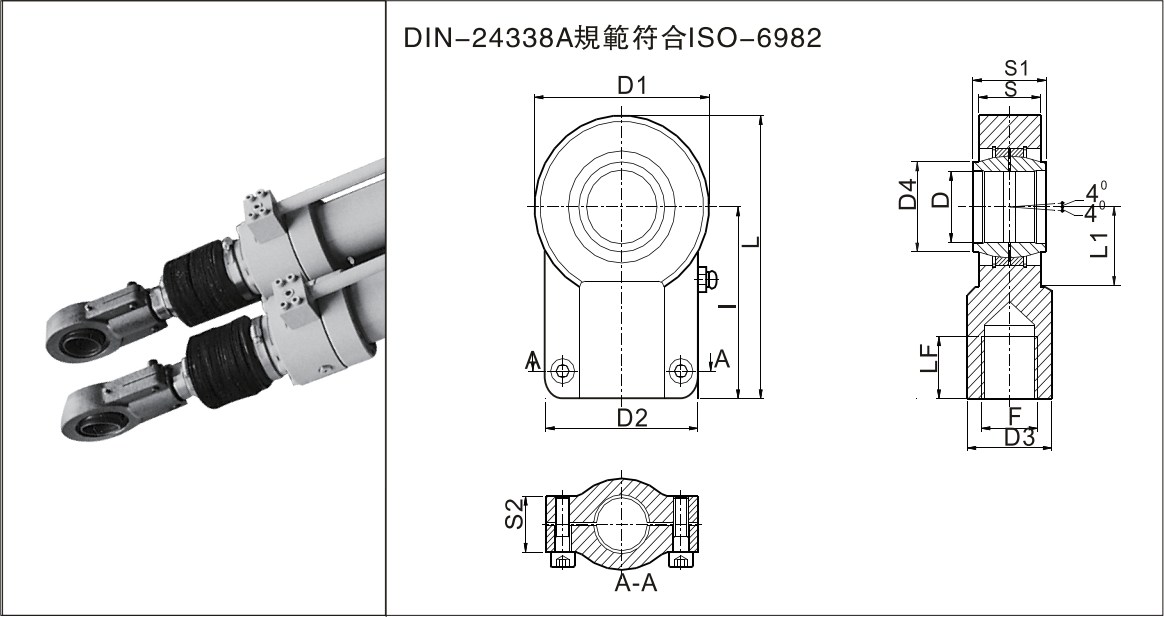
工程  
冶金  
油缸

圓形  
油缸

特殊  
油缸

液壓單元  
及輔件

軸端球型接頭



外部尺寸

| 缸径  | 型號       | F        | D   | S <sub>1</sub> | α  | I   | L   | D1  | D2  | D3  | D4   | S    | S2   | L1  | LF  |
|-----|----------|----------|-----|----------------|----|-----|-----|-----|-----|-----|------|------|------|-----|-----|
| 25  | PR-12CE  | M12x1.25 | 12  | 12             | 4° | 38  | 54  | 32  | 32  | 16  | 15.5 | 11   | 15   | 14  | 17  |
|     | PR-16CE  | M14x1.5  | 16  | 16             | 4° | 44  | 64  | 40  | 40  | 21  | 20   | 13.8 | 15   | 20  | 19  |
| 32  | PR-16CE  | M14x1.5  | 20  | 20             | 4° | 52  | 75  | 47  | 47  | 25  | 25   | 17.8 | 18.7 | 22  | 23  |
|     | PR-20CE  | M16x1.5  |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 40  | PR-20CE  | M16x1.5  | 25  | 25             | 4° | 65  | 96  | 58  | 54  | 30  | 30.5 | 21.9 | 19   | 27  | 29  |
|     | PR-25CE  | M20x1.5  |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 50  | PR-25CE  | M20x1.5  | 32  | 32             | 4° | 80  | 119 | 71  | 66  | 38  | 38   | 28   | 22   | 32  | 37  |
|     | PR-32CE  | M27x2    |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 63  | PR-32CE  | M27x2    | 40  | 40             | 4° | 97  | 146 | 90  | 80  | 47  | 46   | 33   | 26   | 41  | 46  |
|     | PR-40CE  | M33x2    |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 80  | PR-40CE  | M33x2    | 50  | 50             | 4° | 120 | 180 | 109 | 96  | 58  | 57   | 41   | 32   | 50  | 57  |
|     | PR-50CE  | M42x2    |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 100 | PR-50CE  | M42x2    | 63  | 63             | 4° | 140 | 212 | 132 | 114 | 70  | 71.5 | 53   | 38   | 62  | 64  |
|     | PR-63CE  | M48x2    |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 125 | PR-63CE  | M48x2    | 80  | 80             | 4° | 180 | 271 | 169 | 148 | 90  | 91   | 67   | 48   | 78  | 86  |
|     | PR-80CE  | M64x3    |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 160 | PR-80CE  | M64x3    | 100 | 100            | 4° | 210 | 323 | 211 | 178 | 110 | 113  | 85   | 62   | 98  | 96  |
|     | PR-100CE | M80x3    |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 200 | PR-100CE | M80x3    | 125 | 125            | 4° | 260 | 406 | 264 | 200 | 135 | 138  | 103  | 72   | 120 | 113 |
|     | PR-125CE | M100x3   |     |                |    |     |     |     |     |     |      |      |      |     |     |
| 250 | PR-125CE | M100x3   | 160 | 160            | 4° | 310 | 488 | 326 | 250 | 165 | 177  | 130  | 82   | 150 | 126 |
|     | PR-160CE | M125x4   |     |                |    |     |     |     |     |     |      |      |      |     |     |

## 成品訂購表示

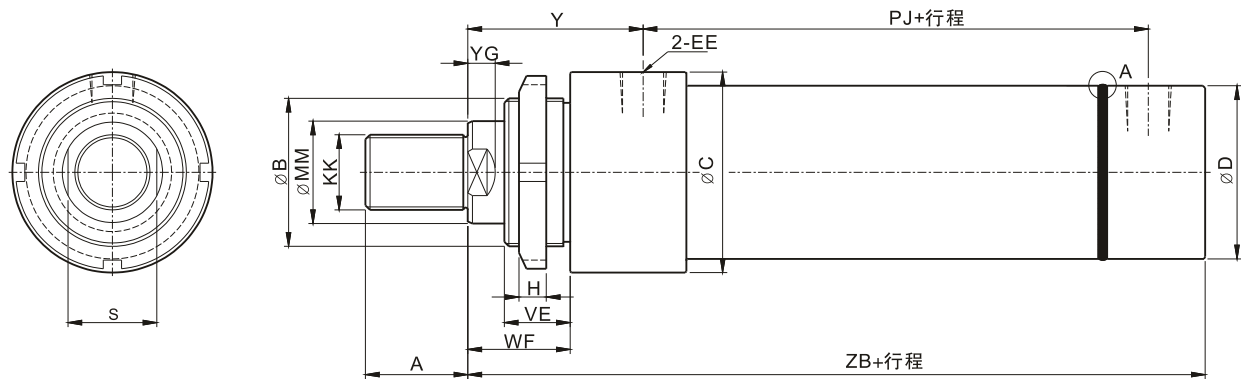
| RD     | 70                                                                 | J                   | C                                                                                                                                  | CA                                                                                                                                                    | 63                                                                                                                                                                     |
|--------|--------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 油缸系列   | 工作壓力                                                               | 油缸性能                | 軸徑                                                                                                                                 | 安裝形式                                                                                                                                                  | 內徑                                                                                                                                                                     |
| 車械圓形油缸 | 70:70<br>kgf/cm <sup>2</sup><br><br>160:160<br>kgf/cm <sup>2</sup> | H:軸附防塵套<br>J:耐熱/耐酸鹼 | C:小軸徑<br>(標準規格RD70<br>配C軸徑)<br><br>B:大軸徑<br>(標準規格RD160<br>配B軸徑)<br><br>若RD70(70工作<br>壓力)要配B軸徑<br>暨RD140(160工作<br>壓力)要配C軸徑<br>請特別註明 | M00:基本型(SD)<br>MF1:前法蘭型(FA)<br>MF2:後法蘭型(FB)<br>MF3:前圓形法蘭型(FC)<br>MF4:後圓形法蘭型(FD)<br>MP3:單山型(CA)<br>MP5:單山型配球型軸承(CA1)<br>MT4:中間炮耳型(TC)<br>MS2:徑向腳座型(LA) | 25:25mm<br>32:32mm<br>40:40mm<br>50:50mm<br>63:63mm<br>80:80mm<br>100:100mm<br>125:125mm<br>160:160mm<br>200:200mm<br>250:250mm<br>320:320mm<br>400:400mm<br>500:500mm |

柱型  
油缸模具  
油缸夾治具/  
轉角油缸打刀  
油缸工程  
冶金  
油缸圓形  
油缸特殊  
油缸液壓單元  
及輔件

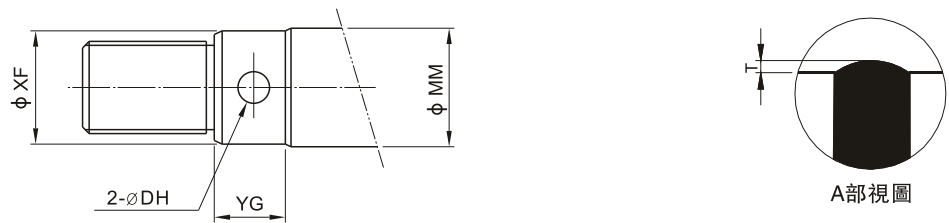
| 200ST | B                                                                                            | Y                                                                 | RC                                                   |
|-------|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------|
| 行程    | 緩衝調整                                                                                         | 軸端接頭                                                              | 入油口規格                                                |
| 依客戶需求 | 空白:<br>標準品(無緩衝)<br>B:前後皆有緩衝<br>R:前蓋有緩衝<br>H:後蓋有緩衝<br>注:緩衝調整油缸<br>，前後蓋外徑與<br>目錄標示不同，<br>請來電洽詢 | Y:Y接頭<br>I:I接頭<br>PR...CE球形<br>接頭(符合ISO<br>-6982及DIN<br>24338A規範) | RC:管用錐度牙<br>G:管用平行牙<br>M:公制直牙<br>F:方形法蘭牙<br>MM:矩形法蘭牙 |

外部尺寸圖

●SD基本型



●活塞杆徑 $\phi 90$  (含) 以上扳手尺寸圖



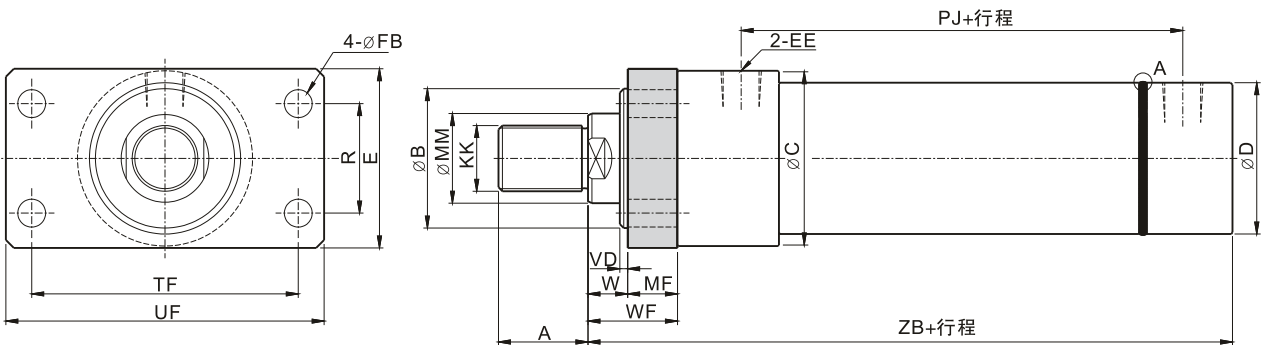
| 內徑  | 記號  |     | T        | 內徑  | 記號  |     | T        |
|-----|-----|-----|----------|-----|-----|-----|----------|
|     | C級  | B級  |          |     | C級  | B級  |          |
| 25  | 40  | 40  | $\leq 2$ | 125 | 140 | 145 | $\leq 3$ |
| 32  | 52  | 52  | $\leq 2$ | 160 | 178 | 185 | $\leq 3$ |
| 40  | 55  | 65  | $\leq 2$ | 200 | 216 | 232 | $\leq 3$ |
| 50  | 65  | 75  | $\leq 2$ | 250 | 267 | 298 | $\leq 4$ |
| 63  | 76  | 88  | $\leq 2$ | 320 | 352 | 380 | $\leq 4$ |
| 80  | 95  | 95  | $\leq 2$ | 400 | -   | -   | $\leq 4$ |
| 100 | 114 | 122 | $\leq 2$ | 500 | -   | -   | $\leq 4$ |

| 內徑  | 記號  |     | XF  |     | DH |    |
|-----|-----|-----|-----|-----|----|----|
|     | C級  | B級  | C級  | B級  | C級 | B級 |
| 125 | 70  | 90  | -   | 88  | -  | 10 |
| 160 | 90  | 110 | 88  | 108 | 10 | 12 |
| 200 | 110 | 140 | 108 | 138 | 12 | 12 |
| 250 | 140 | 180 | 138 | 178 | 12 | 12 |
| 320 | 180 | 220 | 178 | 218 | 12 | 14 |
| 400 | 220 | 280 | 218 | 278 | 14 | 16 |
| 500 | 280 | 360 | 278 | 358 | 16 | 16 |

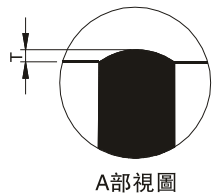
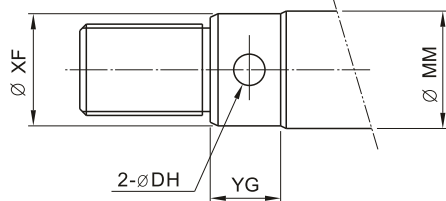
| 記號<br>內徑 | 軸徑C級 |          |     | 軸徑B級 |         |     | B       |        | D   |     | EE     | S  |    | Y   | VE  | WF  | PJ  | ZB  | YG |    | H  |
|----------|------|----------|-----|------|---------|-----|---------|--------|-----|-----|--------|----|----|-----|-----|-----|-----|-----|----|----|----|
|          | MM   | KK       | A   | MM   | KK      | A   | C級      | B級     | C級  | B級  |        | C級 | B級 |     |     |     |     |     | C  | B  |    |
| 25       | 16   | M12x1.25 | 16  | 18   | M14x1.5 | 18  | M30x1.5 |        | 35  |     | RC1/8  | 14 | 16 | 58  | 15  | 28  | 77  | 150 | 12 | 7  |    |
| 32       | 18   | M14x1.5  | 18  | 22   | M16x1.5 | 22  | M35x1.5 |        | 45  |     | RC1/4  | 16 | 17 | 64  | 19  | 32  | 89  | 170 | 12 | 8  |    |
| 40       | 22   | M16x1.5  | 22  | 28   | M20x1.5 | 28  | M45x1.5 |        | 55  |     | RC3/8  | 17 | 23 | 71  | 19  | 32  | 97  | 190 | 12 | 10 |    |
| 50       | 28   | M20x1.5  | 28  | 36   | M27x2   | 36  | M55x1.5 |        | 65  |     |        | 23 | 32 | 72  | 24  | 38  | 111 | 205 | 12 | 11 |    |
| 63       | 36   | M27x2    | 36  | 45   | M33x2   | 45  | M65x2   |        | 76  |     | RC1/2  | 32 | 39 | 82  | 29  | 45  | 117 | 224 | 12 | 12 |    |
| 80       | 45   | M33x2    | 45  | 56   | M42x2   | 56  | M80x2   |        | 95  |     |        | 39 | 50 | 91  | 36  | 54  | 134 | 250 | 14 | 15 |    |
| 100      | 56   | M42x2    | 56  | 70   | M48x2   | 63  | M100x2  |        | 114 |     | RC3/4  | 50 | 64 | 108 | 37  | 57  | 162 | 300 | 16 | 18 |    |
| 125      | 70   | M48x2    | 63  | 90   | M64x3   | 85  | M125x2  |        | 140 | 145 |        | 64 | -  | 121 | 37  | 60  | 174 | 325 | 16 | 20 | 21 |
| 160      | 90   | M64x3    | 85  | 112  | M80x3   | 95  | M160x3  |        | 178 | 185 | RC1    | -  | -  | 143 | 41  | 66  | 191 | 370 | 20 | 20 | 25 |
| 200      | 110  | M80x3    | 95  | 140  | M100x3  | 112 | M200x3  |        | 216 | 232 |        | -  | -  | 190 | 45  | 75  | 224 | 450 | 24 | 24 | 29 |
| 250      | 140  | M100x3   | 112 | 180  | M125x4  | 125 | M240x4  | M260x4 | 267 | 298 | RC11/4 | -  | -  | -   | 64  | 96  | -   | 550 | 24 | 24 | 32 |
| 320      | 180  | M125x4   | 125 | 220  | M160x4  | 160 | M320x4  | M340x4 | 352 | 380 |        | -  | -  | -   | 71  | 108 | -   | 660 | 24 | 24 | 35 |
| 400      | 220  | M160x4   | 160 | 280  | M200x4  | 200 | -       | -      | -   | -   | RC11/2 | -  | -  | -   | 90  | 130 | -   | 740 | 30 | 30 | -  |
| 500      | 280  | M200x4   | 200 | 360  | M250x6  | 250 | -       | -      | -   | -   |        | -  | -  | -   | 110 | 163 | -   | 890 | 30 | 30 | -  |

外部尺寸圖

●MF1(FA)前法蘭型



●活塞杆徑∅90（含）以上扳手尺寸圖



| 記號<br>內徑 | C   |     | T  |
|----------|-----|-----|----|
|          | C級  | B級  |    |
| 25       | 40  | 40  | ≤2 |
| 32       | 52  | 52  | ≤2 |
| 40       | 55  | 65  | ≤2 |
| 50       | 65  | 75  | ≤2 |
| 63       | 76  | 88  | ≤2 |
| 80       | 95  | 95  | ≤2 |
| 100      | 114 | 122 | ≤2 |
| 125      | 140 | 145 | ≤3 |

| 記號<br>內徑 | MM  |     | XF  |     | DH |    |
|----------|-----|-----|-----|-----|----|----|
|          | C級  | B級  | C級  | B級  | C級 | B級 |
| 125      | 70  | 90  | -   | 88  | -  | 10 |
| 160      | 90  | 110 | 88  | 108 | 10 | 12 |
| 200      | 110 | 140 | 108 | 138 | 12 | 12 |
| 250      | 140 | 180 | 138 | 178 | 12 | 12 |
| 320      | 180 | 220 | 178 | 218 | 12 | 14 |
| 400      | 220 | 280 | 218 | 278 | 14 | 16 |
| 500      | 280 | 360 | 278 | 358 | 16 | 16 |

| 記號<br>內徑 | 軸端C級 |          |    | 軸端B級 |         |    | B   | D   |     | EE    | VD | MF | W  | WF | FB  | E   | R  | TF  | UF  | PJ  | ZB  |
|----------|------|----------|----|------|---------|----|-----|-----|-----|-------|----|----|----|----|-----|-----|----|-----|-----|-----|-----|
|          | MM   | KK       | A  | MM   | KK      | A  |     | C級  | B級  |       |    |    |    |    |     |     |    |     |     |     |     |
| 25       | 16   | M12x1.25 | 16 | 18   | M14x1.5 | 18 | 32  | 35  |     | RC1/8 | 3  | 12 | 16 | 28 | 6.6 | 45  | 28 | 69  | 85  | 77  | 150 |
| 32       | 18   | M14x1.5  | 18 | 22   | M16x1.5 | 22 | 40  | 42  |     | RC1/4 | 3  | 16 | 16 | 32 | 9   | 55  | 35 | 85  | 105 | 89  | 170 |
| 40       | 22   | M16x1.5  | 22 | 28   | M20x1.5 | 28 | 50  | 55  |     | RC3/8 | 3  | 16 | 16 | 32 | 9   | 70  | 40 | 98  | 115 | 97  | 190 |
| 50       | 28   | M20x1.5  | 28 | 36   | M27x2   | 36 | 60  | 65  |     |       | 4  | 20 | 18 | 38 | 11  | 80  | 48 | 116 | 140 | 111 | 205 |
| 63       | 36   | M27x2    | 36 | 45   | M33x2   | 45 | 70  | 76  |     | RC1/2 | 4  | 25 | 20 | 45 | 14  | 90  | 55 | 134 | 160 | 117 | 224 |
| 80       | 45   | M33x2    | 45 | 56   | M42x2   | 56 | 85  | 95  |     |       | 4  | 32 | 22 | 54 | 18  | 100 | 63 | 152 | 185 | 134 | 250 |
| 100      | 56   | M42x2    | 56 | 70   | M48x2   | 63 | 106 | 114 |     | RC3/4 | 5  | 32 | 25 | 57 | 22  | 125 | 76 | 185 | 225 | 162 | 300 |
| 125      | 70   | M48x2    | 63 | 90   | M64x3   | 85 | 132 | 140 | 145 |       | 5  | 32 | 28 | 60 | 22  | 150 | 90 | 217 | 255 | 174 | 325 |

柱型  
油缸

模具  
油缸

夾治具/  
轉角油缸

打刀  
油缸

工程  
冶金  
油缸

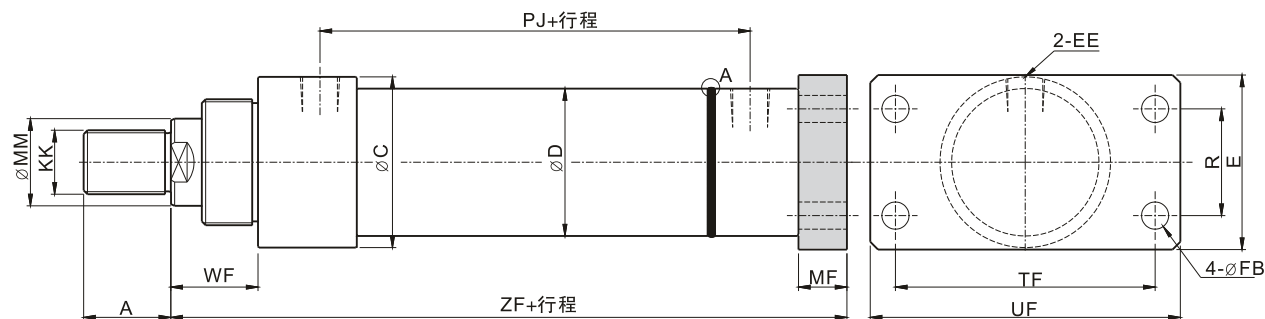
圓形  
油缸

特殊  
油缸

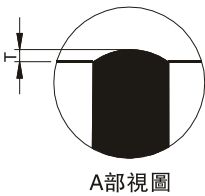
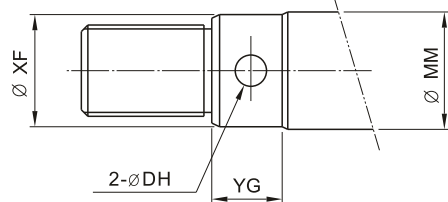
液壓單元  
及輔件

外部尺寸圖

●MF2(FB)後法蘭型



●活塞杆徑 $\varnothing 90$  (含) 以上扳手尺寸圖



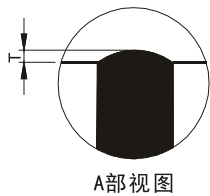
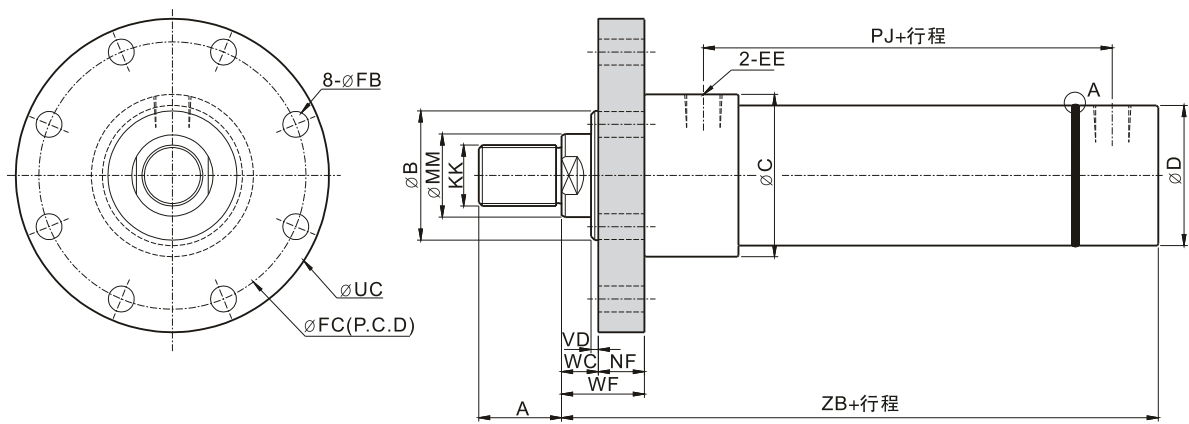
| 記號<br>內徑 | C   |     | T        |
|----------|-----|-----|----------|
|          | C級  | B級  |          |
| 25       | 40  | 40  | $\leq 2$ |
| 32       | 52  | 52  | $\leq 2$ |
| 40       | 55  | 65  | $\leq 2$ |
| 50       | 65  | 75  | $\leq 2$ |
| 63       | 76  | 88  | $\leq 2$ |
| 80       | 95  | 95  | $\leq 2$ |
| 100      | 114 | 122 | $\leq 2$ |
| 125      | 140 | 145 | $\leq 3$ |

| 記號<br>內徑 | MM  |     | XF  |     | DH |    |
|----------|-----|-----|-----|-----|----|----|
|          | C級  | B級  | C級  | B級  | C級 | B級 |
| 125      | 70  | 90  | —   | 88  | —  | 10 |
| 160      | 90  | 110 | 88  | 108 | 10 | 12 |
| 200      | 110 | 140 | 108 | 138 | 12 | 12 |
| 250      | 140 | 180 | 138 | 178 | 12 | 12 |
| 320      | 180 | 220 | 178 | 218 | 12 | 14 |
| 400      | 220 | 280 | 218 | 278 | 14 | 16 |
| 500      | 280 | 360 | 278 | 358 | 16 | 16 |

| 記號<br>內徑 | 軸端C級 |          |    | 軸端B級 |         |    | D   |     | EE    | MF | FB  | R  | E   | TF  | UF  | WF | PJ  | ZF  |
|----------|------|----------|----|------|---------|----|-----|-----|-------|----|-----|----|-----|-----|-----|----|-----|-----|
|          | MM   | KK       | A  | MM   | KK      | A  | C級  | B級  |       |    |     |    |     |     |     |    |     |     |
| 25       | 16   | M12x1.25 | 16 | 18   | M14x1.5 | 18 | 35  |     | RC1/8 | 12 | 6.6 | 28 | 45  | 69  | 85  | 28 | 77  | 162 |
| 32       | 18   | M14x1.5  | 18 | 22   | M16x1.5 | 22 | 42  |     | RC1/4 | 16 | 9   | 35 | 55  | 85  | 105 | 32 | 89  | 186 |
| 40       | 22   | M16x1.5  | 22 | 28   | M20x1.5 | 28 | 55  |     | RC3/8 | 16 | 9   | 40 | 70  | 98  | 115 | 32 | 97  | 206 |
| 50       | 28   | M20x1.5  | 28 | 36   | M27x2   | 36 | 65  |     |       | 20 | 11  | 48 | 80  | 116 | 140 | 38 | 111 | 225 |
| 63       | 36   | M27x2    | 36 | 45   | M33x2   | 45 | 76  |     | RC1/2 | 25 | 14  | 55 | 90  | 134 | 160 | 45 | 117 | 249 |
| 80       | 45   | M33x2    | 45 | 56   | M42x2   | 56 | 95  |     |       | 32 | 18  | 63 | 100 | 152 | 185 | 54 | 134 | 282 |
| 100      | 56   | M42x2    | 56 | 70   | M48x2   | 63 | 114 |     | RC3/4 | 32 | 22  | 76 | 125 | 185 | 225 | 57 | 162 | 332 |
| 125      | 70   | M48x2    | 63 | 90   | M64x3   | 85 | 140 | 145 |       | 32 | 22  | 90 | 150 | 217 | 255 | 60 | 174 | 357 |

外部尺寸圖

●MF3(FC)前圓形法蘭



●注：活塞杆徑φ90（含）以上扳手尺寸請參照SD基本型P.317

| 內徑  | 記號  |     | T  | 內徑  | 記號  |     | T  |
|-----|-----|-----|----|-----|-----|-----|----|
|     | C級  | B級  |    |     | C級  | B級  |    |
| 25  | 40  | 40  | ≤2 | 125 | 140 | 145 | ≤3 |
| 32  | 52  | 52  | ≤2 | 160 | 178 | 185 | ≤3 |
| 40  | 55  | 65  | ≤2 | 200 | 216 | 232 | ≤3 |
| 50  | 65  | 75  | ≤2 | 250 | 267 | 298 | ≤4 |
| 63  | 76  | 88  | ≤2 | 320 | 352 | 380 | ≤4 |
| 80  | 95  | 95  | ≤2 | 400 | -   | -   | ≤4 |
| 100 | 114 | 122 | ≤2 | 500 | -   | -   | ≤4 |

| 記號<br>內徑 | 軸徑C級 |          |     | 軸徑B級 |         |     | B   | D   |     | EE      | VD | NF  | WC | WF  | FB     | FC  | UC  | PJ  | ZB  |
|----------|------|----------|-----|------|---------|-----|-----|-----|-----|---------|----|-----|----|-----|--------|-----|-----|-----|-----|
|          | MM   | KK       | A   | MM   | KK      | A   |     | C級  | B級  |         |    |     |    |     |        |     |     |     |     |
| 25       | 16   | M12x1.25 | 16  | 18   | M14x1.5 | 18  | 32  | 35  |     | RC1/8   | 3  | 12  | 16 | 28  | 8-φ6.6 | 75  | 90  | 77  | 150 |
| 32       | 18   | M14x1.5  | 18  | 22   | M16x1.5 | 22  | 40  | 42  |     | RC1/4   | 3  | 16  | 16 | 32  | 8-φ9   | 92  | 110 | 89  | 170 |
| 40       | 22   | M16x1.5  | 22  | 28   | M20x1.5 | 28  | 50  | 55  |     | RC3/8   | 3  | 16  | 16 | 32  | 8-φ9   | 106 | 125 | 97  | 190 |
| 50       | 28   | M20x1.5  | 28  | 36   | M27x2   | 36  | 60  | 65  |     |         | 4  | 20  | 18 | 38  | 8-φ11  | 126 | 150 | 111 | 205 |
| 63       | 36   | M27x2    | 36  | 45   | M33x2   | 45  | 70  | 76  |     | RC1/2   | 4  | 25  | 20 | 45  | 8-φ14  | 145 | 170 | 117 | 224 |
| 80       | 45   | M33x2    | 45  | 56   | M42x2   | 56  | 85  | 95  |     |         | 4  | 32  | 22 | 54  | 8-φ18  | 165 | 195 | 134 | 250 |
| 100      | 56   | M42x2    | 56  | 70   | M48x2   | 63  | 106 | 114 |     | RC3/4   | 5  | 32  | 25 | 57  | 8-φ22  | 200 | 240 | 162 | 300 |
| 125      | 70   | M48x2    | 63  | 90   | M64x3   | 85  | 132 | 140 | 145 |         | 5  | 32  | 28 | 60  | 8-φ22  | 235 | 275 | 174 | 325 |
| 160      | 90   | M64x3    | 85  | 110  | M80x3   | 95  | 160 | 178 | 185 | RC1     | 5  | 36  | 30 | 66  | 8-φ22  | 280 | 320 | 191 | 370 |
| 200      | 110  | M80x3    | 95  | 140  | M100x3  | 112 | 200 | 216 | 232 |         | 5  | 40  | 35 | 75  | 8-φ26  | 340 | 385 | 224 | 450 |
| 250      | 140  | M100x3   | 112 | 180  | M125x4  | 125 | 250 | 267 | 298 | RC1 1/4 | 8  | 56  | 40 | 96  | 8-φ33  | 420 | 490 | -   | 550 |
| 320      | 180  | M125x4   | 125 | 220  | M160x4  | 160 | 320 | 352 | 380 |         | 8  | 63  | 45 | 108 | 8-φ39  | 520 | 600 | -   | 660 |
| 400      | 220  | M160x4   | 160 | 280  | M200x4  | 200 | 400 | -   | -   | RC1 1/2 | 10 | 80  | 50 | 130 | 8-φ45  | 640 | 730 | -   | 740 |
| 500      | 280  | M200x4   | 200 | 360  | M250x6  | 250 | 500 | -   | -   |         | 10 | 100 | 63 | 163 | 12-φ45 | 720 | 810 | -   | 890 |

柱型油缸

模具油缸

夾治具/轉角油缸

打刀油缸

工程冶金油缸

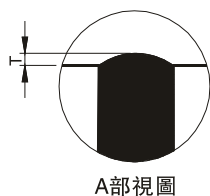
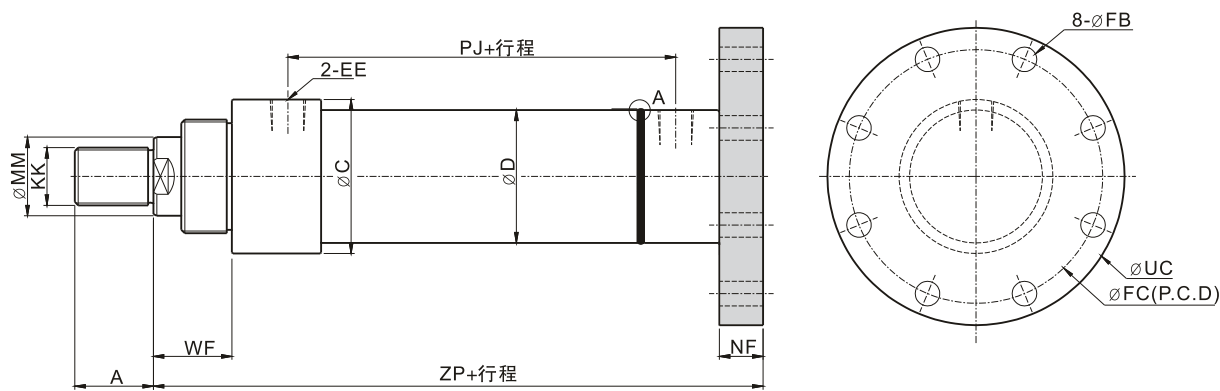
圓形油缸

特殊油缸

液壓單元及輔件

外部尺寸圖

● MF4(FD)後圓形法蘭



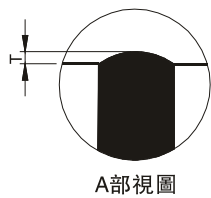
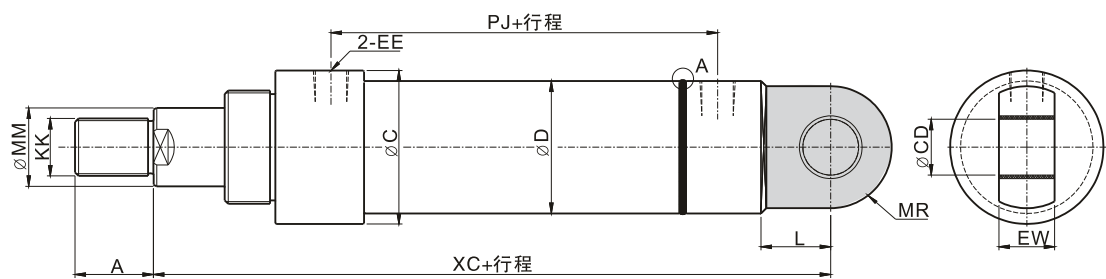
| 內徑  | 記號  |     | T  | 內徑  | 記號  |     | T  |
|-----|-----|-----|----|-----|-----|-----|----|
|     | C級  | B級  |    |     | C級  | B級  |    |
| 25  | 40  | 40  | ≤2 | 125 | 140 | 145 | ≤3 |
| 32  | 52  | 52  | ≤2 | 160 | 178 | 185 | ≤3 |
| 40  | 55  | 65  | ≤2 | 200 | 216 | 232 | ≤3 |
| 50  | 65  | 75  | ≤2 | 250 | 267 | 298 | ≤4 |
| 63  | 76  | 88  | ≤2 | 320 | 352 | 380 | ≤4 |
| 80  | 95  | 95  | ≤2 | 400 | -   | -   | ≤4 |
| 100 | 114 | 122 | ≤2 | 500 | -   | -   | ≤4 |

●注：活塞杆徑 $\varnothing 90$ （含）以上扳手尺寸請參照SD基本型 P.317

| 記號<br>尺寸 | 軸徑C級 |          |     | 軸徑B級 |         |     | D   |     | EE     | NF  | WF  | FB     | FC  | UC  | PJ  | ZP  |
|----------|------|----------|-----|------|---------|-----|-----|-----|--------|-----|-----|--------|-----|-----|-----|-----|
|          | MM   | KK       | A   | MM   | KK      | A   | C級  | B級  |        |     |     |        |     |     |     |     |
| 25       | 16   | M12x1.25 | 16  | 18   | M14x1.5 | 18  | 35  |     | RC1/8  | 12  | 28  | 8-Ø6.6 | 75  | 90  | 77  | 162 |
| 32       | 18   | M14x1.5  | 18  | 22   | M16x1.5 | 22  | 42  |     | RC1/4  | 16  | 32  | 8-Ø9   | 92  | 110 | 89  | 186 |
| 40       | 22   | M16x1.5  | 22  | 28   | M20x1.5 | 28  | 55  |     | RC3/8  | 16  | 32  | 8-Ø9   | 106 | 125 | 97  | 206 |
| 50       | 28   | M20x1.5  | 28  | 36   | M27x2   | 36  | 65  |     |        | 20  | 38  | 8-Ø11  | 126 | 150 | 111 | 225 |
| 63       | 36   | M27x2    | 36  | 45   | M33x2   | 45  | 76  |     | RC1/2  | 25  | 45  | 8-Ø14  | 145 | 170 | 117 | 249 |
| 80       | 45   | M33x2    | 45  | 56   | M42x2   | 56  | 95  |     |        | 32  | 54  | 8-Ø18  | 165 | 195 | 134 | 282 |
| 100      | 56   | M42x2    | 56  | 70   | M48x2   | 63  | 114 |     | RC3/4  | 32  | 57  | 8-Ø22  | 200 | 240 | 162 | 332 |
| 125      | 70   | M48x2    | 63  | 90   | M64x3   | 85  | 140 | 145 |        | 32  | 60  | 8-Ø22  | 235 | 275 | 174 | 357 |
| 160      | 90   | M64x3    | 85  | 110  | M80x3   | 95  | 178 | 185 | RC1    | 36  | 66  | 8-Ø22  | 280 | 320 | 191 | 406 |
| 200      | 110  | M80x3    | 95  | 140  | M100x3  | 112 | 216 | 232 |        | 40  | 75  | 8-Ø26  | 340 | 385 | 224 | 490 |
| 250      | 140  | M100x3   | 112 | 180  | M125x4  | 125 | 267 | 298 | RC11/4 | 56  | 96  | 8-Ø33  | 420 | 490 | -   | 606 |
| 320      | 180  | M125x4   | 125 | 220  | M160x4  | 160 | 352 | 380 |        | 63  | 108 | 8-Ø39  | 520 | 600 | -   | 723 |
| 400      | 220  | M160x4   | 160 | 280  | M200x4  | 200 | -   | -   | RC11/2 | 80  | 130 | 8-Ø45  | 640 | 730 | -   | 820 |
| 500      | 280  | M200x4   | 200 | 360  | M250x6  | 250 | -   | -   |        | 100 | 163 | 12-Ø45 | 720 | 810 | -   | 990 |

外部尺寸圖

●MP3(CA)單山型（配銅襯）



●注：活塞杆徑Ø90（含）以上扳手尺寸請參照SD基本型 P.317

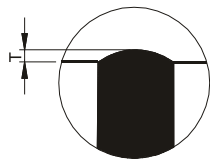
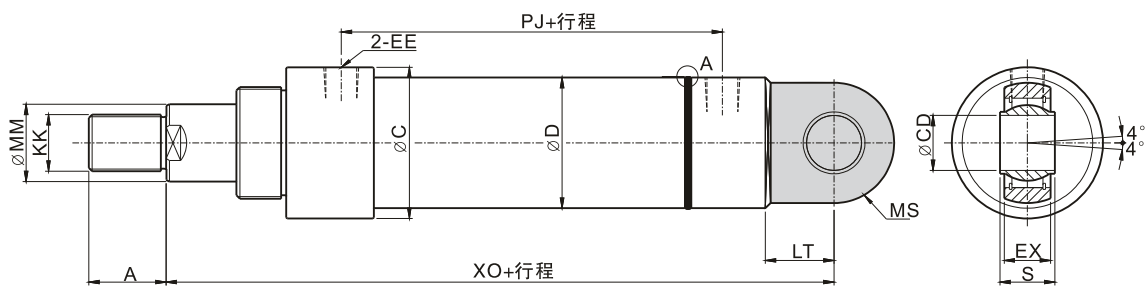
| 內徑  | 記號  |     | T  | 內徑  | 記號  |     | T  |
|-----|-----|-----|----|-----|-----|-----|----|
|     | C級  | B級  |    |     | C級  | B級  |    |
| 25  | 40  | 40  | ≤2 | 125 | 140 | 145 | ≤3 |
| 32  | 52  | 52  | ≤2 | 160 | 178 | 185 | ≤3 |
| 40  | 55  | 65  | ≤2 | 200 | 216 | 232 | ≤3 |
| 50  | 65  | 75  | ≤2 | 250 | 267 | 298 | ≤4 |
| 63  | 76  | 88  | ≤2 | 320 | 352 | 380 | ≤4 |
| 80  | 95  | 95  | ≤2 | 400 | -   | -   | ≤4 |
| 100 | 114 | 122 | ≤2 | 500 | -   | -   | ≤4 |

| 記號<br>內徑 | 軸徑C級 |          |     | 軸徑B級 |         |     | D   |     | EE     | L   | CD  | EW  | MR   | PJ  | XC   |
|----------|------|----------|-----|------|---------|-----|-----|-----|--------|-----|-----|-----|------|-----|------|
|          | MM   | KK       | A   |      | KK      | A   | C級  | B級  |        |     |     |     |      |     |      |
| 25       | 16   | M12x1.25 | 16  | 18   | M14x1.5 | 18  | 35  |     | RC1/8  | 16  | 12  | 12  | 16   | 77  | 178  |
| 32       | 18   | M14x1.5  | 18  | 22   | M16x1.5 | 22  | 42  |     | RC1/4  | 20  | 16  | 16  | 20   | 89  | 206  |
| 40       | 22   | M16x1.5  | 22  | 28   | M20x1.5 | 28  | 55  |     | RC3/8  | 25  | 20  | 20  | 25   | 97  | 231  |
| 50       | 28   | M20x1.5  | 28  | 36   | M27x2   | 36  | 65  |     |        | 32  | 25  | 25  | 28   | 111 | 257  |
| 63       | 36   | M27x2    | 36  | 45   | M33x2   | 45  | 76  |     | RC1/2  | 40  | 32  | 32  | 35   | 117 | 289  |
| 80       | 45   | M33x2    | 45  | 56   | M42x2   | 56  | 95  |     |        | 50  | 40  | 40  | 44.5 | 134 | 332  |
| 100      | 56   | M42x2    | 56  | 70   | M48x2   | 63  | 114 |     | RC3/4  | 63  | 50  | 50  | 54   | 162 | 395  |
| 125      | 70   | M48x2    | 63  | 90   | M64x3   | 85  | 140 | 145 |        | 71  | 63  | 63  | 66   | 174 | 428  |
| 160      | 90   | M64x3    | 85  | 110  | M80x3   | 95  | 178 | 185 | RC1    | 90  | 80  | 80  | 84   | 191 | 505  |
| 200      | 110  | M80x3    | 95  | 140  | M100x3  | 112 | 216 | 232 |        | 112 | 100 | 100 | 105  | 224 | 615  |
| 250      | 140  | M100x3   | 112 | 180  | M125x4  | 125 | 267 | 298 | RC11/4 | 160 | 125 | 125 | 131  | —   | 773  |
| 320      | 180  | M125x4   | 125 | 220  | M160x4  | 160 | 352 | 380 |        | 200 | 160 | 160 | 163  | —   | 930  |
| 400      | 220  | M160x4   | 160 | 280  | M200x4  | 200 | —   | —   | RC11/2 | 250 | 200 | 200 | 210  | —   | 990  |
| 500      | 280  | M200x4   | 200 | 360  | M250x6  | 250 | —   | —   |        | 320 | 250 | 250 | 270  | —   | 1210 |

- 柱型油缸
- 模具油缸
- 夾治具/轉角油缸
- 打刀油缸
- 工程冶金油缸
- 圓形油缸
- 特殊油缸
- 液壓單元及輔件

外部尺寸圖

- MP5(CA1)單山型（配球型軸承）



A部視圖

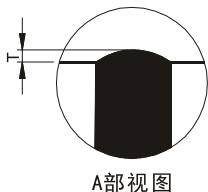
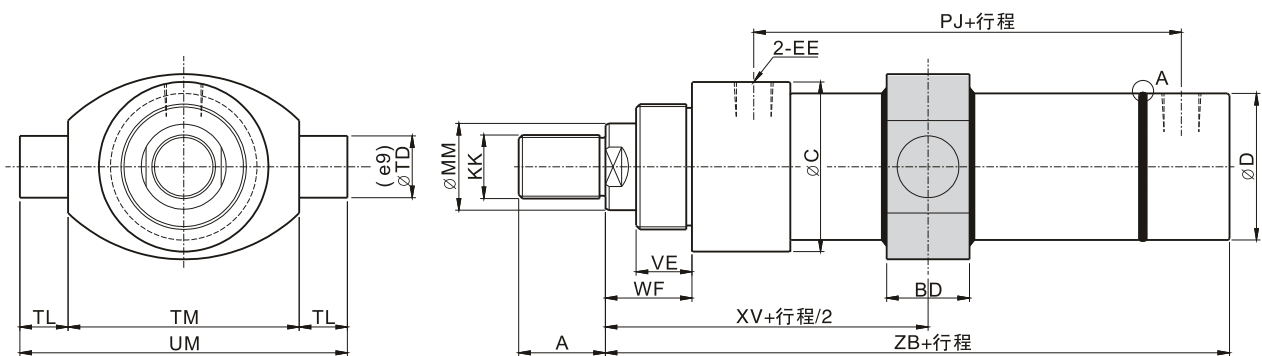
●注：活塞杆徑Ø90（含）以上扳手尺寸請參照SD基本型P.317

| 記號<br>內徑 | C   |     | T  | 記號<br>內徑 | C   |     | T  |
|----------|-----|-----|----|----------|-----|-----|----|
|          | C級  | B級  |    |          | C級  | B級  |    |
| 25       | 40  | 40  | ≤2 | 125      | 140 | 145 | ≤3 |
| 32       | 52  | 52  | ≤2 | 160      | 178 | 185 | ≤3 |
| 40       | 55  | 65  | ≤2 | 200      | 216 | 232 | ≤3 |
| 50       | 65  | 75  | ≤2 | 250      | 267 | 298 | ≤4 |
| 63       | 76  | 88  | ≤2 | 320      | 352 | 380 | ≤4 |
| 80       | 95  | 95  | ≤2 | 400      | —   | —   | ≤4 |
| 100      | 114 | 122 | ≤2 | 500      | —   | —   | ≤4 |

| 記號  | 軸徑B級 |          |     |     |         |     | B級      | EE     | LT  | CD  | EX  | MS   | PJ  | XO   | S   |
|-----|------|----------|-----|-----|---------|-----|---------|--------|-----|-----|-----|------|-----|------|-----|
|     | 內徑   | KK       | A   | MM  | KK      | A   |         |        |     |     |     |      |     |      |     |
| 25  | 16   | M12x1.25 | 16  | 18  | M14x1.5 | 18  | 35      | RC1/8  | 16  | 12  | 12  | 16   | 77  | 178  | 12  |
| 32  | 18   | M14x1.5  | 18  | 22  | M16x1.5 | 22  | 42      | RC1/4  | 20  | 16  | 16  | 20   | 89  | 206  | 16  |
| 40  | 22   | M16x1.5  | 22  | 28  | M20x1.5 | 28  | 55      | RC3/8  | 25  | 20  | 20  | 25   | 97  | 231  | 20  |
| 50  | 28   | M20x1.5  | 28  | 36  | M27x2   | 36  | 65      |        | 32  | 25  | 23  | 28   | 111 | 257  | 25  |
| 63  | 36   | M27x2    | 36  | 45  | M33x2   | 45  | 76      | RC1/2  | 40  | 32  | 28  | 35   | 117 | 289  | 32  |
| 80  | 45   | M33x2    | 45  | 56  | M42x2   | 56  | 95      |        | 50  | 40  | 33  | 44.5 | 134 | 332  | 40  |
| 100 | 56   | M42x2    | 56  | 70  | M48x2   | 63  | 114     | RC3/4  | 63  | 50  | 41  | 54   | 162 | 395  | 50  |
| 125 | 70   | M48x2    | 63  | 90  | M64x3   | 85  | 140 145 |        | 71  | 63  | 53  | 66   | 174 | 428  | 63  |
| 160 | 90   | M64x3    | 85  | 110 | M80x3   | 95  | 178 185 | RC1    | 90  | 80  | 67  | 84   | 191 | 505  | 80  |
| 200 | 110  | M80x3    | 95  | 140 | M100x3  | 112 | 216 232 |        | 112 | 100 | 85  | 105  | 224 | 615  | 100 |
| 250 | 140  | M100x3   | 112 | 180 | M125x4  | 125 | 267 298 | RC11/4 | 160 | 125 | 103 | 131  | —   | 773  | 125 |
| 320 | 180  | M125x4   | 125 | 220 | M160x4  | 160 | 352 380 |        | 200 | 160 | 130 | 163  | —   | 930  | 160 |
| 400 | 220  | M160x4   | 160 | 280 | M200x4  | 200 | — —     | RC11/2 | 250 | 200 | 162 | 210  | —   | 990  | 200 |
| 500 | 280  | M200x4   | 200 | 360 | M250x6  | 250 | — —     |        | 320 | 250 | 210 | 270  | —   | 1210 | 250 |

外部尺寸圖

●MT4(TC)中間砲耳型



●注：活塞杆徑Ø90（含）以上扳手尺寸請參照SD基本型 P.317

| 內徑  | 記號  |     | T  | 內徑  | 記號  |     | T  |
|-----|-----|-----|----|-----|-----|-----|----|
|     | C級  | B級  |    |     | C級  | B級  |    |
| 25  | 40  | 40  | ≤2 | 125 | 140 | 145 | ≤3 |
| 32  | 52  | 52  | ≤2 | 160 | 178 | 185 | ≤3 |
| 40  | 55  | 65  | ≤2 | 200 | 216 | 232 | ≤3 |
| 50  | 65  | 75  | ≤2 | 250 | 267 | 298 | ≤4 |
| 63  | 76  | 88  | ≤2 | 320 | 352 | 380 | ≤4 |
| 80  | 95  | 95  | ≤2 | 400 | -   | -   | ≤4 |
| 100 | 114 | 122 | ≤2 | 500 | -   | -   | ≤4 |

| 記號<br>內徑 | 軸徑C級 |          |     | 軸徑B級 |         |     | D   |     | EE     | VE  | WF  | BD  | TD  | TM  | TL  | UM   | PJ  | XV  | ZB  |
|----------|------|----------|-----|------|---------|-----|-----|-----|--------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|
|          | MM   | KK       | A   | MM   | KK      | A   | C級  | B級  |        |     |     |     |     |     |     |      |     |     |     |
| 25       | 16   | M12x1.25 | 16  | 18   | M14x1.5 | 18  | 35  |     | RC1/8  | 15  | 28  | 18  | 12  | 63  | 10  | 83   | 77  | 90  | 150 |
| 32       | 18   | M14x1.5  | 18  | 22   | M16x1.5 | 22  | 42  |     | RC1/4  | 19  | 32  | 22  | 16  | 75  | 12  | 99   | 89  | 106 | 170 |
| 40       | 22   | M16x1.5  | 22  | 28   | M20x1.5 | 28  | 55  |     | RC3/8  | 19  | 32  | 28  | 20  | 90  | 16  | 122  | 97  | 116 | 190 |
| 50       | 28   | M20x1.5  | 28  | 36   | M27x2   | 36  | 65  |     |        | 24  | 38  | 33  | 25  | 105 | 20  | 145  | 111 | 123 | 205 |
| 63       | 36   | M27x2    | 36  | 45   | M33x2   | 45  | 76  |     | RC1/2  | 29  | 45  | 43  | 32  | 120 | 25  | 170  | 117 | 140 | 224 |
| 80       | 45   | M33x2    | 45  | 56   | M42x2   | 56  | 95  |     |        | 36  | 54  | 53  | 40  | 135 | 32  | 199  | 134 | 159 | 250 |
| 100      | 56   | M42x2    | 56  | 70   | M48x2   | 63  | 114 |     | RC3/4  | 37  | 57  | 58  | 50  | 160 | 40  | 240  | 162 | 182 | 300 |
| 125      | 70   | M48x2    | 63  | 90   | M64x3   | 85  | 140 | 145 |        | 37  | 60  | 78  | 63  | 195 | 50  | 295  | 174 | 197 | 325 |
| 160      | 90   | M64x3    | 85  | 110  | M80x3   | 95  | 178 | 185 | RC1    | 41  | 66  | 98  | 80  | 240 | 63  | 366  | 191 | 231 | 370 |
| 200      | 110  | M80x3    | 95  | 140  | M100x3  | 112 | 216 | 232 |        | 45  | 75  | 117 | 100 | 295 | 80  | 455  | 224 | 288 | 450 |
| 250      | 140  | M100x3   | 112 | 180  | M125x4  | 125 | 267 | 298 | RC11/4 | 64  | 96  | 148 | 125 | 370 | 100 | 570  | -   | -   | 550 |
| 320      | 180  | M125x4   | 125 | 220  | M160x4  | 160 | 352 | 380 |        | 71  | 108 | 186 | 160 | 470 | 125 | 720  | -   | -   | 660 |
| 400      | 220  | M160x4   | 160 | 280  | M200x4  | 200 | -   | -   | RC11/2 | 90  | 130 | 230 | 200 | 570 | 160 | 890  | -   | -   | 740 |
| 500      | 280  | M200x4   | 200 | 360  | M250x6  | 250 | -   | -   |        | 110 | 163 | 280 | 250 | 700 | 250 | 1200 | -   | -   | 890 |

柱型  
油缸

模具  
油缸

夾治具/  
轉角油缸

打刀  
油缸

工程  
冶金  
油缸

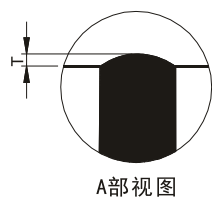
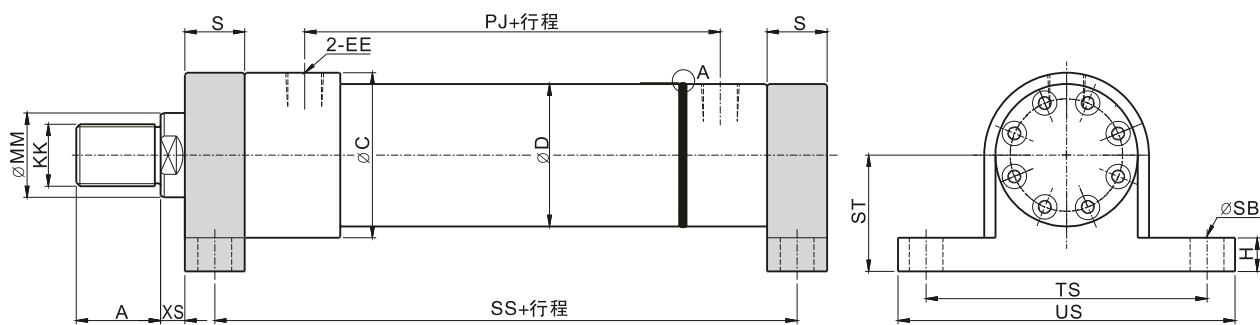
圓形  
油缸

特殊  
油缸

液壓單元  
及輔件

外部尺寸圖

● MS2(LA)徑向腳座型



●注：活塞杆徑 $\phi 90$ （含）以上扳手尺寸請參照SD基本型 P.317

| 內徑 | 記號 |    | T        | 內徑  | 記號  |     | T        |
|----|----|----|----------|-----|-----|-----|----------|
|    | C級 | B級 |          |     | C級  | B級  |          |
| 25 | 40 | 40 | $\leq 2$ | 80  | 95  | 95  | $\leq 2$ |
| 32 | 52 | 52 | $\leq 2$ | 100 | 114 | 122 | $\leq 2$ |
| 40 | 55 | 65 | $\leq 2$ | 125 | 140 | 145 | $\leq 3$ |
| 50 | 65 | 75 | $\leq 2$ | 160 | 178 | 185 | $\leq 3$ |
| 63 | 76 | 88 | $\leq 2$ | 200 | 216 | 232 | $\leq 3$ |

| 記號  | 軸徑C級 |          |    | 軸徑B級 |         |     | EE    | S  | XS   | ST  | SB | TS  | US  | PJ  | SS  | H  |
|-----|------|----------|----|------|---------|-----|-------|----|------|-----|----|-----|-----|-----|-----|----|
|     | MM   | KK       | A  | MM   | KK      | A   |       |    |      |     |    |     |     |     |     |    |
| 25  | 16   | M12x1.25 | 16 | 18   | M14x1.5 | 18  | RC1/8 | 20 | 18   | 32  | 9  | 75  | 92  | 77  | 142 | 12 |
| 32  | 18   | M14x1.5  | 18 | 22   | M16x1.5 | 22  | RC1/4 | 25 | 19.5 | 38  | 11 | 90  | 110 | 89  | 163 | 16 |
| 40  | 22   | M16x1.5  | 22 | 28   | M20x1.5 | 28  | RC3/8 | 25 | 19.5 | 43  | 11 | 100 | 120 | 97  | 183 | 26 |
| 50  | 28   | M20x1.5  | 28 | 36   | M27x2   | 36  |       | 32 | 22   | 52  | 14 | 120 | 145 | 111 | 199 | 25 |
| 63  | 36   | M27x2    | 36 | 45   | M33x2   | 45  | RC1/2 | 32 | 29   | 62  | 18 | 150 | 180 | 117 | 211 | 25 |
| 80  | 45   | M33x2    | 45 | 56   | M42x2   | 56  |       | 40 | 34   | 70  | 22 | 170 | 210 | 134 | 236 | 30 |
| 100 | 56   | M42x2    | 56 | 70   | M48x2   | 63  | RC3/4 | 50 | 32   | 82  | 26 | 205 | 250 | 162 | 293 | 35 |
| 125 | 70   | M48x2    | 63 | 90   | M64x3   | 85  |       | 56 | 32   | 100 | 33 | 245 | 300 | 174 | 321 | 35 |
| 160 | 90   | M64x3    | 85 | 110  | M80x3   | 95  | RC1   | 60 | 36   | 119 | 33 | 295 | 350 | 191 | 364 | 45 |
| 200 | 110  | M80x3    | 95 | 140  | M100x3  | 112 |       | 72 | 39   | 145 | 39 | 350 | 415 | 224 | 447 | 50 |