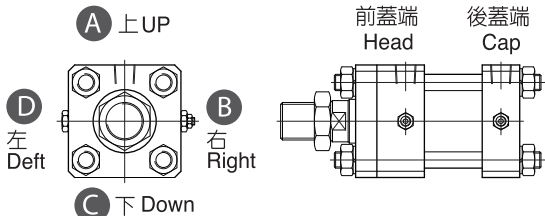


方型重油油壓缸特性資料 Specification

|                                            |                                                              |        |         |         |          |           |        |      |      |
|--------------------------------------------|--------------------------------------------------------------|--------|---------|---------|----------|-----------|--------|------|------|
| 氣壓缸內徑 Bore sizes of cylinder(mm)           | Ø40                                                          | Ø50    | Ø63     | Ø80     | Ø100     | Ø125      | Ø150   | Ø180 | Ø200 |
| 缸管材質 Material of cylinder bareel           | 鋼管 Carbon steel STKM-13C OR ST52/白鐵管 Stainless tubes SUS 304 |        |         |         |          |           |        |      |      |
| 使用壓力範圍 The range of pressure(MPa)          | 0.3-14MPa(3-140kg/cm <sup>2</sup> ) / 另有高壓可特殊訂製, 請來電洽詢       |        |         |         |          |           |        |      |      |
| 使用溫度範圍 The range of temperature(°C)        | NBR/PU{-25°~+80°(C°)}/VITON{-10°~150°(C°)}                   |        |         |         |          |           |        |      |      |
| 使用速度範圍 The range of speed(mm/sec)          | 8~300(mm/sec)/另有低摩擦高速油封選用(1000mm以上/sec),請來電洽詢                |        |         |         |          |           |        |      |      |
| 標準衝程活塞(PM)的長度,長衝程活塞與繫緊模式請參閱註1              | 30                                                           | 35     | 35      | 50      | 60       | 70        | 60     | 70   | 70   |
| 各缸徑最大容許衝程 STROKE .mm Max.Permissible       | 參閱有關軸心扭曲與缸體固定形式技術資料                                          |        |         |         |          |           |        |      |      |
| 衝程之容許公差/Tolerance of stroke                | 衝程/STROKE                                                    | 100 以下 | 100~250 | 250~630 | 631~1000 | 1001~1600 | 1601以上 |      |      |
| JIS B 8354 B級/Refer to Righ Table          | 容許差/Tolerance                                                | 0~+0.8 | 0~+1.0  | 0~+1.25 | 0~+1.4   | 0~+1.6    | 0~+1.8 |      |      |
| 活塞桿螺紋加工精度/Accuracy of Threading at Rod End | JIS 6g/6H(相當JIS 2級)                                          |        |         |         |          |           |        |      |      |

**HO-B-N-Ø80-A-A-Ø40-N-Ø200-N-N-AST000-N**

1 2 3 4 5 6 7 8 9 10 11 12

|                                                                                               |                                        |                                                                                                                                                                                          |                                                              |                                                                                    |                                |                                   |                                                                                      |                                                                                      |           |           |      |
|-----------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------|-----------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------|-----------|------|
| 1                                                                                             | 型式 / TYPE                              | B: 標準型<br>B: Standard type                                                                                                                                                               |                                                              |  |                                | D: 雙軸型<br>D: Double-Rod type      |                                                                                      |  |           |           |      |
| 2                                                                                             | 磁石/MEANET                              | R: 內加磁石 (適用Ø32~Ø125) N:沒有<br>R: with magnet inside(Applicable to Ø32~Ø125) N:No symbol                                                                                                   |                                                              |                                                                                    |                                |                                   |                                                                                      |                                                                                      |           |           |      |
| 3                                                                                             | 鋼管內徑/外徑<br>CYLINDER TUBES              | Ø40/Ø46                                                                                                                                                                                  | Ø50/Ø57                                                      | Ø63/Ø71                                                                            | Ø80/Ø90                        | Ø100/Ø110                         | Ø125/Ø140                                                                            | Ø150/Ø168                                                                            | Ø180/Ø202 | Ø200/Ø242 |      |
|                                                                                               | 不銹鋼缸徑/外徑<br>STAINLESS TUBES            | Ø40/Ø46                                                                                                                                                                                  | Ø50/Ø60                                                      | Ø63/Ø73                                                                            | Ø80/Ø95                        | Ø100/Ø114                         | Ø125/Ø145                                                                            | Ø150/Ø175                                                                            | NO        | NO        |      |
| 4                                                                                             | 油封選用 SEAL SYMBOL    油封材質/Seal material |                                                                                                                                                                                          |                                                              | 適用作動油種類 Kind of fluid                                                              |                                |                                   |                                                                                      |                                                                                      |           |           |      |
|                                                                                               |                                        |                                                                                                                                                                                          |                                                              | 一般礦物性作動油<br>Pertroleum-<br>Based fluid                                             | 水乙二醇<br>Water-<br>Glycol fluid | 磷酸酯油<br>Phosphate-<br>Ester fluid | O/W作動油<br>Water in oil<br>fluid                                                      | W/O作動油<br>Oil in Water<br>fluid                                                      |           |           |      |
|                                                                                               | A    PU    Polyurethane rubber         |                                                                                                                                                                                          |                                                              | ○                                                                                  | ×                              | ×                                 | △                                                                                    | △                                                                                    |           |           |      |
|                                                                                               | B    NBR    Nitrile rubber             |                                                                                                                                                                                          |                                                              | ○                                                                                  | ○                              | ×                                 | ○                                                                                    | ○                                                                                    |           |           |      |
|                                                                                               | C    VITON    Fluoro elastomer         |                                                                                                                                                                                          |                                                              | ○                                                                                  | ×                              | ○                                 | ○                                                                                    | ○                                                                                    |           |           |      |
| 備註:    允許使用 ○    不允許使用 ×    請與我們洽詢 △<br>Note:    allowable ○    unallowable ×    consult us △ |                                        |                                                                                                                                                                                          |                                                              |                                                                                    |                                |                                   |                                                                                      |                                                                                      |           |           |      |
| 5                                                                                             | 入油口位置填入<br>Port position               | 前蓋端<br>Head                                                                                                                                                                              | A:上(標準型)/B:右/C:下/D:左<br>A:UP(Standard)/B:Right/C:Down/D:Left |                                                                                    |                                |                                   |  |                                                                                      |           |           |      |
|                                                                                               |                                        | 後蓋端<br>Cap                                                                                                                                                                               | A:上(標準型)/B:右/C:下/D:左<br>A:UP(Standard)/B:Right/C:Down/D:Left |                                                                                    |                                |                                   |                                                                                      |                                                                                      |           |           |      |
|                                                                                               |                                        | A=AA    /    B=BB    /    C=CC    /    D=DD<br>E=AB    /    F=AC    /    G=AD    /    H=BA<br>I=BC    /    J=BD    /    K=CA    /    L=CB<br>M=CD    /    N=DA    /    O=DB    /    P=DC |                                                              |                                                                                    |                                |                                   |                                                                                      |                                                                                      |           |           |      |
| 6                                                                                             | 軸心/ROD                                 | 標    準                                                                                                                                                                                   | Ø25                                                          | Ø30                                                                                | Ø35                            | Ø40                               | Ø50                                                                                  | Ø60                                                                                  | Ø80       | Ø100      | Ø100 |
|                                                                                               |                                        | 最    大                                                                                                                                                                                   | —                                                            | Ø35                                                                                | Ø40                            | Ø50                               | Ø70                                                                                  | Ø90                                                                                  | Ø120      | Ø140      | Ø160 |
|                                                                                               |                                        | 緩衝軸心                                                                                                                                                                                     | Ø18                                                          | Ø25                                                                                | Ø35                            | Ø40                               | Ø50                                                                                  | Ø60                                                                                  | Ø80       | Ø100      | Ø100 |

HO

Series

方型重油油壓缸採購指南

14Mpa Hydraulic Cylinders How to Order

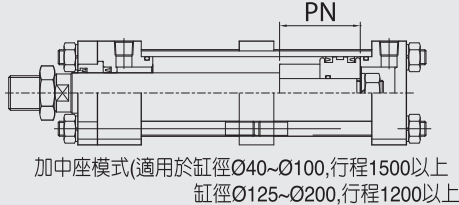
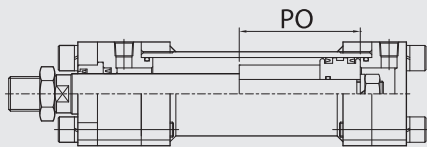
|                                                                                                                         |                                                                                                                                |                                                                                                                                                                                                     |              |                      |                                                    |              |                      |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------|----------------------------------------------------|--------------|----------------------|
| 7                                                                                                                       | 緩衝位置<br>Cushioning Valve<br>Position                                                                                           | N: 無緩衝(標準型) / B:兩端緩衝 / X:前蓋緩衝 / Y:後蓋緩衝<br>N: NO symbo / B:Double side cushion / X:Rod-cover side cushion / Y:Head-cover side cushion<br>緩沖型式請參閱說明2                                                  |              |                      |                                                    |              |                      |
| 8                                                                                                                       | 行程/STROKE                                                                                                                      | 填入需要之衝程<br>Max Permissible stroke                                                                                                                                                                   |              |                      |                                                    |              |                      |
| 備註:標準品最大衝程,內徑Ø40~Ø200衝程為1499mm,長衝程訂製時,因考量活塞側向支撐力與繫緊柱子鎖固強度,<br>另外因考量油壓缸固定形式與軸心撓曲度等等問題,需在計算強度或參閱技術資料或敬請與我們洽詢或參閱說明 (1) (2) |                                                                                                                                |                                                                                                                                                                                                     |              |                      |                                                    |              |                      |
| 9                                                                                                                       | 缸體<br>固定方式<br><br>BORE<br>ACCESSORY                                                                                            | 名 稱<br>DESCRIPTION                                                                                                                                                                                  | 記號<br>SYMBOL | 略 圖<br>CONFIGURATION | 名 稱<br>DESCRIPTION                                 | 記號<br>SYMBOL | 略 圖<br>CONFIGURATION |
|                                                                                                                         |                                                                                                                                | 前蓋矩形法蘭<br>Rectabgular<br>flange at<br>cylinder head                                                                                                                                                 | FA           |                      | 後蓋矩形法蘭<br>Rectabgular<br>flange<br>at cylinder cup | FB           |                      |
|                                                                                                                         |                                                                                                                                | 前後端凸耳形<br>Foot rounting<br>side end<br>angles                                                                                                                                                       | LB           |                      | U型搖擺座<br>U-shaped<br>swing<br>seat                 | TC           |                      |
|                                                                                                                         |                                                                                                                                | 側端凸耳型<br>Foot mounting<br>side luge                                                                                                                                                                 | LA           |                      | 前蓋端耳軸型<br>Trunnion<br>mounting<br>at cylinder head | TA           |                      |
|                                                                                                                         |                                                                                                                                | 後蓋固定<br>單山型<br>Plaie clevis at<br>cylinder cap                                                                                                                                                      | CA           |                      | 後蓋可拆<br>雙山型<br>Clevis fork at<br>cylinder cap      | CB           |                      |
|                                                                                                                         | 備註:缸體固定如有其它方式可繪製圖面或與我們營業人員洽詢<br>Note: If the cylinder is fixed in other ways, you can draw a sketch or contact our sales staff |                                                                                                                                                                                                     |              |                      |                                                    |              |                      |
|                                                                                                                         |                                                                                                                                |                                                                                                                                                                                                     |              |                      |                                                    |              |                      |
| 10                                                                                                                      | 軸心<br>用配件<br><br>ROD<br>ACCESSORY                                                                                              | 名 稱<br>DESCRIPTION                                                                                                                                                                                  | 記號<br>SYMBOL | 略 圖<br>CONFIGURATION | 名 稱<br>DESCRIPTION                                 | 記號<br>SYMBOL | 略 圖<br>CONFIGURATION |
|                                                                                                                         |                                                                                                                                | Y型接頭<br>Rod Clevis                                                                                                                                                                                  | HY           |                      | Y型接頭附<br>插銷<br>Rod Clevis<br>With Pin              | YP           |                      |
|                                                                                                                         |                                                                                                                                | I型接頭<br>I Rod end<br>mounting                                                                                                                                                                       | HI           |                      | 浮動接頭<br>Compensating<br>Joint                      | KG           |                      |
|                                                                                                                         |                                                                                                                                | 魚眼接頭<br>Oscillating<br>Eye                                                                                                                                                                          | PH           |                      | T型接頭<br>T Rod end<br>mounting                      | HT           |                      |
|                                                                                                                         |                                                                                                                                | 焊接接頭<br>H Rod end<br>mounting                                                                                                                                                                       | HH           |                      | 可調螺帽<br>Adiustble nut                              | AST          |                      |
|                                                                                                                         | 備註 : 軸心固定如有其它方式,可繪製草圖或與我們營業人員洽詢<br>Note : If the axis is fixed in other ways, you can draw a sketch or contact our sales staff |                                                                                                                                                                                                     |              |                      |                                                    |              |                      |
| 11                                                                                                                      | 雙軸<br>可調行程                                                                                                                     | 填入需要的可調行程 <b>AST</b> <input type="text"/> <input type="text"/> <input type="text"/> mm 無記號:沒有 / NO Symbol Adiustble stroke                                                                          |              |                      |                                                    |              |                      |
| 12                                                                                                                      | 近接開關<br>SENSOR<br>SWITCH                                                                                                       | 無記號:無裝置(標準型)/B:兩端近接開關/X:近接在前/Y:近接在後/T:近接*3/U:近接*4<br>N:NO symbo /B:Double side sensor switch/X:Rod-cover side sensor switch/<br>Y:Head-cover side sensor switch/T:sensor switch*3/U:sensor switch*4 |              |                      |                                                    |              |                      |



## 方型重油油壓缸尺寸圖

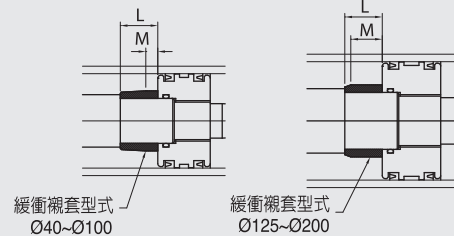
## 14Mpa Hydraulic Cylinders Dimensional Features

[說明1] 長衝程活塞加長襯套尺寸與繫緊模式選用參考:

加中座模式(適用於缸徑 $\varnothing 40 \sim \varnothing 100$ ,行程1500以上  
缸徑 $\varnothing 125 \sim \varnothing 200$ ,行程1200以上)兩端加法蘭模式 (建議用於缸徑 $\varnothing 40 \sim \varnothing 100$ ,行程2000mm以上  
缸徑 $\varnothing 125 \sim \varnothing 200$ ,行程1800以上使用)

| 缸徑                | PN  | PO  |
|-------------------|-----|-----|
| $\varnothing 40$  | 60  | 90  |
| $\varnothing 50$  | 70  | 100 |
| $\varnothing 63$  | 70  | 100 |
| $\varnothing 80$  | 100 | 150 |
| $\varnothing 100$ | 100 | 120 |
| $\varnothing 125$ | 100 | 200 |
| $\varnothing 150$ | 100 | 200 |
| $\varnothing 180$ | 120 | 200 |
| $\varnothing 200$ | 120 | 200 |

[說明2] 緩衝標準距離尺寸:

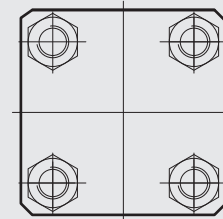
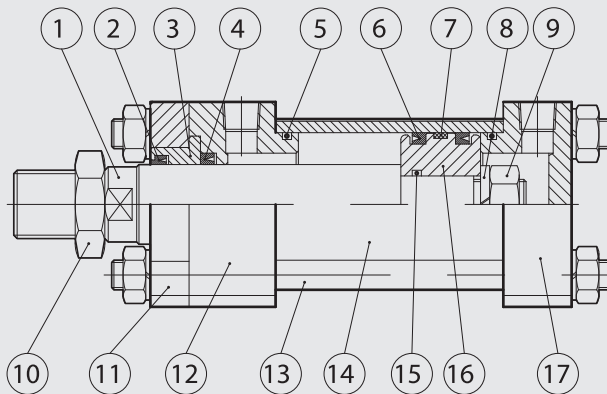


| 缸徑                                     | L長度 | M長度 |
|----------------------------------------|-----|-----|
| $\varnothing 40 \sim \varnothing 63$   | 20  | 8   |
| $\varnothing 80 \sim \varnothing 100$  | 25  | 8   |
| $\varnothing 125 \sim \varnothing 180$ | 25  | 21  |
| $\varnothing 200$                      | 30  | 26  |

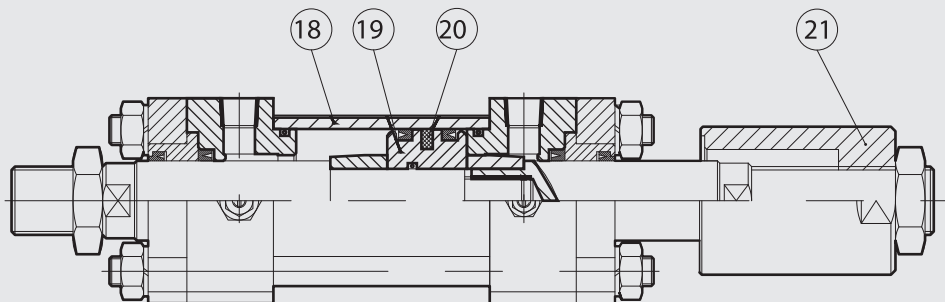
## 方型重油油壓缸結構圖

## 14Mpa Hydraulic Cylinders Structure and Parts List

HOB

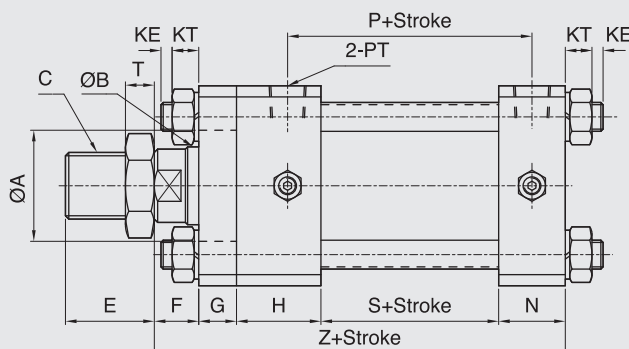
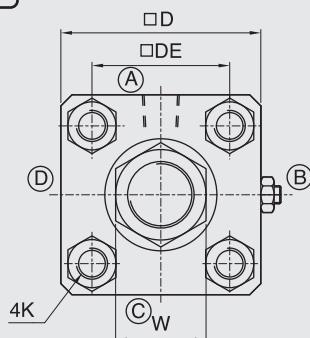


HOOR

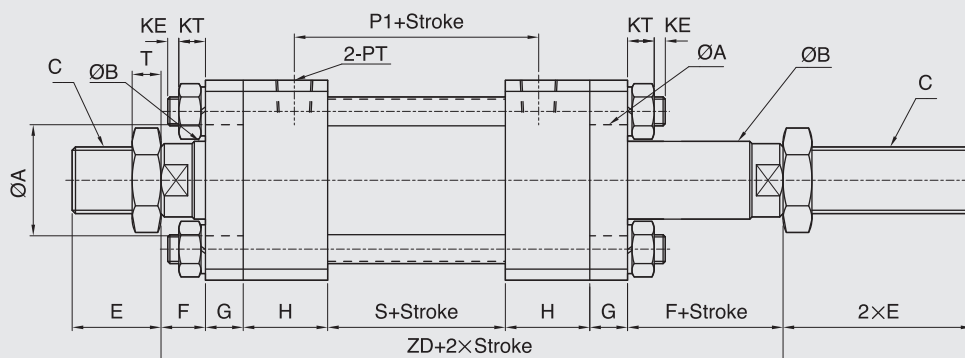


| NO | 零件名 Part mane        | 數量 Quantity | NO | 零件名 Part mane      | 數量 Quantity | NO | 零件名 Part mane       | 數量 Quantity |
|----|----------------------|-------------|----|--------------------|-------------|----|---------------------|-------------|
| 1  | 活塞桿 Piston rod       | 1           | 8  | 彈簧華司 Spring washer | 1           | 15 | O型環 Gasket          | 1           |
| 2  | 刮油環 Dust wiper       | 1           | 9  | 螺帽 Nut             | 1           | 16 | 活塞本體 Piston         | 1           |
| 3  | 套銅 Rod bush          | 1           | 10 | 軸心螺帽 Rod nut       | 1           | 17 | 後蓋 End cover        | 1           |
| 4  | 軸用油封 Rod packiog     | 1           | 11 | 銅壓板 End plate      | 1           | 18 | 油缸本體 Cylinder tube  | 1           |
| 5  | O型環 Gasket           | 2           | 12 | 前蓋 Rod cover       | 1           | 19 | 活塞本體 Piston         | 1           |
| 6  | 橡膠活塞環 Piston packing | 2           | 13 | 固定柱子 Tie bolt      | 4           | 20 | 磁石 Magnet           | 1           |
| 7  | 耐磨環 Wearing ring     | 1           | 14 | 油缸本體 Cylinder tube | 1           | 21 | 可調螺帽 Adjustable nut | 1           |

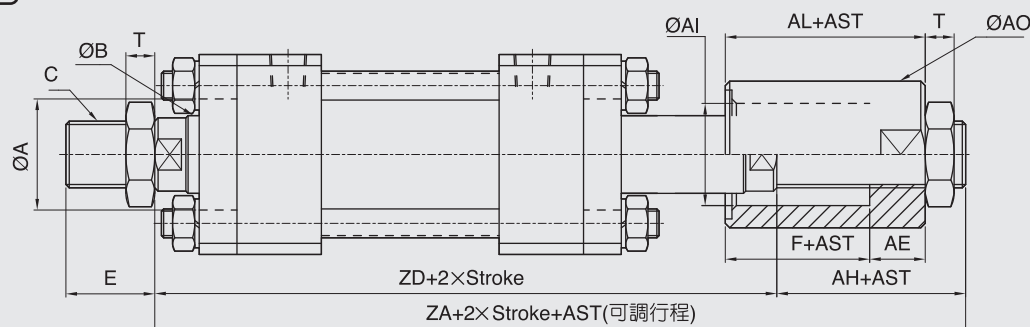
## HOB HO+B(標準型) TYPE



## HOD HO+D(雙軸型) TYPE



## HOD HOD+AST(雙軸型附可調帽) TYPE



HOB-HOD TYPE

A(可調行程) TYPE

| BORE | SIZE | ØA  | ØB  | C        | □D  | □DE | E   | F  | G  | H  | N  | P     | P1  | PM | PT  | K           | KE | KT   | S   | T  | W   | Z   | ZD  | ZA  | AH | AE | ØAI | ØAO | AL |
|------|------|-----|-----|----------|-----|-----|-----|----|----|----|----|-------|-----|----|-----|-------------|----|------|-----|----|-----|-----|-----|-----|----|----|-----|-----|----|
|      |      |     |     |          |     |     |     |    |    |    |    |       |     |    |     |             |    |      |     |    |     |     |     |     |    |    |     |     |    |
|      | Ø40  | 40  | 25  | M22XP1.5 | 65  | 45  | 40  | 20 | 17 | 33 | 28 | 76    | 74  | 30 | 3/8 | M10XP1.25   | 10 | 10.5 | 50  | 13 | 32  | 148 | 190 | 225 | 35 | 20 | 30  | 45  | 40 |
|      | Ø50  | 50  | 30  | M26XP1.5 | 80  | 56  | 40  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | M12XP1.5    | 10 | 13   | 55  | 13 | 35  | 160 | 205 | 245 | 40 | 25 | 37  | 55  | 45 |
|      | Ø63  | 50  | 35  | M30XP1.5 | 90  | 62  | 45  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | M14XP1.5    | 10 | 14.5 | 55  | 13 | 41  | 160 | 205 | 245 | 40 | 25 | 42  | 60  | 45 |
|      | Ø80  | 60  | 40  | M30XP1.5 | 110 | 80  | 45  | 20 | 20 | 38 | 35 | 107   | 105 | 50 | 1/2 | M16XP1.5    | 10 | 17   | 75  | 13 | 41  | 188 | 231 | 276 | 45 | 30 | 47  | 70  | 50 |
|      | Ø100 | 80  | 50  | M40XP2.0 | 131 | 95  | 55  | 25 | 20 | 41 | 37 | 123.5 | 120 | 60 | 1/2 | M18XP1.5    | 10 | 19.5 | 90  | 15 | 55  | 213 | 262 | 307 | 45 | 30 | 57  | 90  | 55 |
|      | Ø125 | 90  | 60  | M50XP2.0 | 162 | 122 | 70  | 35 | 30 | 57 | 47 | 143   | 140 | 70 | 3/4 | M22XP1.5    | 10 | 23.5 | 100 | 15 | 65  | 269 | 344 | 394 | 50 | 35 | 68  | 100 | 70 |
|      | Ø150 | 110 | 80  | M70XP2.0 | 195 | 144 | 80  | 35 | 30 | 60 | 50 | 135   | 130 | 60 | 3/4 | 1"-8UNC     | 5  | 30   | 90  | 20 | 90  | 265 | 340 | 400 | 60 | 40 | 90  | 120 | 75 |
|      | Ø180 | 135 | 100 | M90XP2.0 | 235 | 175 | 100 | 35 | 40 | 65 | 55 | 172   | 170 | 70 | 1   | 1,1/4"-8UNC | 10 | 35   | 120 | 20 | 110 | 315 | 400 | 465 | 65 | 40 | 110 | 150 | 75 |
|      | Ø200 | 135 | 100 | M90XP2.0 | 262 | 193 | 100 | 40 | 40 | 65 | 60 | 175   | 170 | 70 | 1   | 1,1/4"-8UNC | 10 | 35   | 120 | 20 | 110 | 325 | 410 | 475 | 65 | 40 | 110 | 150 | 80 |

備註：

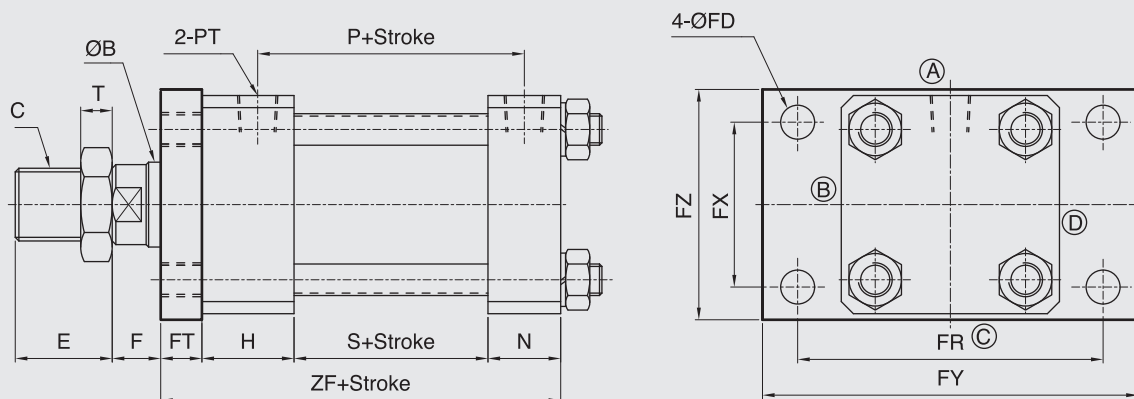
- 軸心加大如未註明長度尺寸時,依照本公司規定自行加工。
- H0 系列行程未超過1500mm時, 活塞(PM)長度如附表, 訂製行程如超過1500mm時, 活塞(PM)長度請參閱特性資料表。
- 本系列行程超過 2000 (含) mm時, 須加拉桿中間固定座。
- 本系列軸心螺帽規格M50mm(含)以上時, 其外徑為圓形。
- AST為客戶指定之可調行程。

- The length and size of the axis were not specified when being enlarged or reduced. The size of the axis will be constructed according to the specification tablet.
- When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- When this series of stroke exceeds(includes) 2000mm, the fixed base of the pull rod must be added in the middle.
- The screw nut specification of this series of axis over M50 is round and W stands for its external diameter.
- AST is the custom made adjustable stroke.

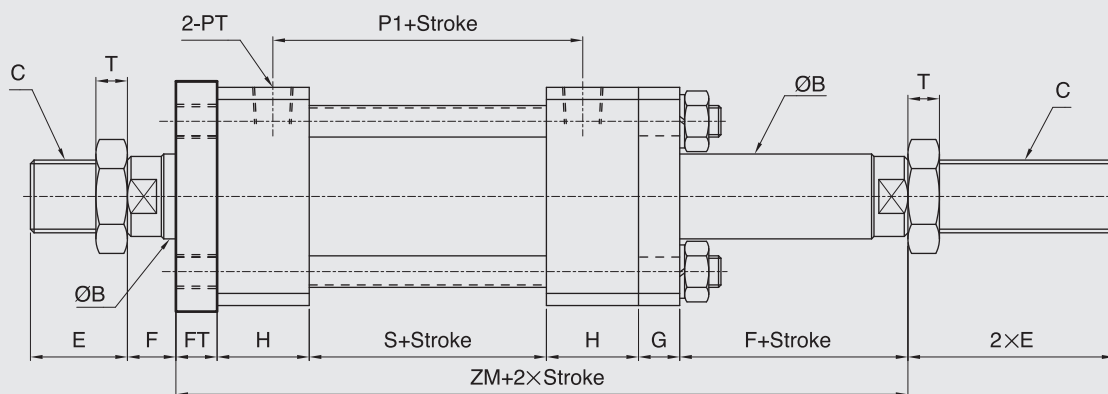
## 方型重油油壓缸FA板尺寸圖

14Mpa Hydraulic Cylinders FA Dimensional Features

### HOB HOB+FA TYPE



### HOD HOD+FA TYPE



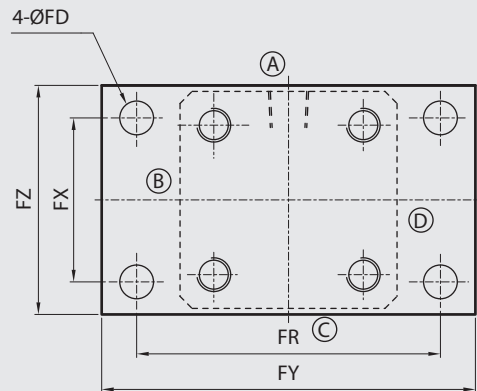
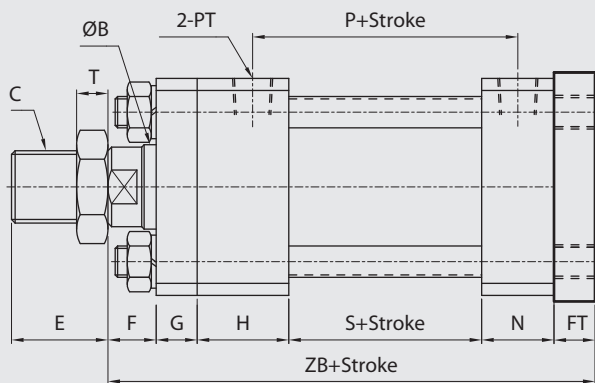
| HOB-HOD TYPE |      |     |          |     |    |    |    |    |       |     |    |     |     |    |     |     | FA TYPE |    |     |     |     |     |
|--------------|------|-----|----------|-----|----|----|----|----|-------|-----|----|-----|-----|----|-----|-----|---------|----|-----|-----|-----|-----|
| BORE         | SIZE | ØB  | C        | E   | F  | G  | H  | N  | P     | P1  | PM | PT  | S   | T  | ZF  | ZM  | ØFD     | FT | FR  | FX  | FY  | FZ  |
| Ø40          |      | 25  | M22XP1.5 | 40  | 20 | 17 | 33 | 28 | 76    | 74  | 30 | 3/8 | 50  | 13 | 128 | 170 | 12      | 17 | 93  | 50  | 115 | 75  |
| Ø50          |      | 30  | M26XP1.5 | 40  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 140 | 185 | 14      | 17 | 110 | 56  | 150 | 85  |
| Ø63          |      | 35  | M30XP1.5 | 45  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 140 | 185 | 14      | 17 | 126 | 68  | 155 | 95  |
| Ø80          |      | 40  | M30XP1.5 | 45  | 20 | 20 | 38 | 35 | 107   | 105 | 50 | 1/2 | 75  | 13 | 168 | 211 | 18      | 20 | 152 | 75  | 190 | 120 |
| Ø100         |      | 50  | M40XP2.0 | 55  | 25 | 20 | 41 | 37 | 123.5 | 120 | 60 | 1/2 | 90  | 15 | 188 | 237 | 20      | 20 | 180 | 100 | 220 | 140 |
| Ø125         |      | 60  | M50XP2.0 | 70  | 35 | 30 | 57 | 47 | 143   | 140 | 70 | 3/4 | 100 | 15 | 234 | 309 | 24      | 30 | 222 | 122 | 280 | 170 |
| Ø150         |      | 80  | M70XP2.0 | 80  | 35 | 30 | 60 | 50 | 135   | 130 | 60 | 3/4 | 90  | 20 | 230 | 305 | 28      | 30 | 260 | 155 | 310 | 206 |
| Ø180         |      | 100 | M90XP2.0 | 100 | 35 | 40 | 65 | 55 | 172   | 170 | 70 | 1   | 120 | 20 | 280 | 365 | 35      | 40 | 315 | 188 | 375 | 250 |
| Ø200         |      | 100 | M90XP2.0 | 100 | 40 | 40 | 65 | 60 | 175   | 170 | 70 | 1   | 120 | 20 | 285 | 370 | 35      | 40 | 355 | 207 | 425 | 272 |

#### 備註：

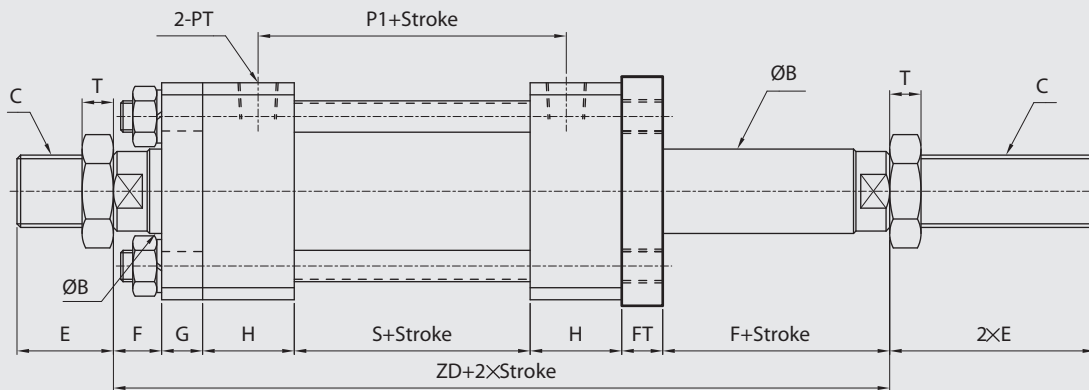
- 1.軸心加大如未註明長度尺寸時,依照本公司規定自行加工。
- 2.HO 系列行程未超過 1500mm時,活塞(PM)長度如附表,  
訂製行程如超過1500mm時,活塞長度請參閱特性資料表。
- 3.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specifice when being enlarged or reduced. The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.The screw mut specification of this series of axis over M50 is round and W stands for its external diameter.

#### HOB HOB+FB TYPE



#### HOD HOD+FB TYPE



| HOB-HOD TYPE |      |     |          |     |    |    |    |    |       |     |    |     |     |    |     | FB TYPE |     |    |     |     |     |     |
|--------------|------|-----|----------|-----|----|----|----|----|-------|-----|----|-----|-----|----|-----|---------|-----|----|-----|-----|-----|-----|
| BORE         | SIZE | ØB  | C        | E   | F  | G  | H  | N  | P     | P1  | PM | PT  | S   | T  | ZB  | ZD      | ØFD | FT | FR  | FX  | FY  | FZ  |
|              | Ø40  | 25  | M22XP1.5 | 40  | 20 | 17 | 33 | 28 | 76    | 74  | 30 | 3/8 | 50  | 13 | 165 | 190     | 12  | 17 | 93  | 50  | 115 | 75  |
|              | Ø50  | 30  | M26XP1.5 | 40  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 177 | 205     | 14  | 17 | 110 | 56  | 150 | 85  |
|              | Ø63  | 35  | M30XP1.5 | 45  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 177 | 205     | 14  | 17 | 126 | 68  | 155 | 95  |
|              | Ø80  | 40  | M30XP1.5 | 45  | 20 | 20 | 38 | 35 | 107   | 105 | 50 | 1/2 | 75  | 13 | 208 | 231     | 18  | 20 | 152 | 75  | 190 | 120 |
|              | Ø100 | 50  | M40XP2.0 | 55  | 25 | 20 | 41 | 37 | 123.5 | 120 | 60 | 1/2 | 90  | 15 | 233 | 262     | 20  | 20 | 180 | 100 | 220 | 140 |
|              | Ø125 | 60  | M50XP2.0 | 70  | 35 | 30 | 57 | 47 | 143   | 140 | 70 | 3/4 | 100 | 15 | 299 | 344     | 24  | 30 | 222 | 122 | 280 | 170 |
|              | Ø150 | 80  | M70XP2.0 | 80  | 35 | 30 | 60 | 50 | 135   | 130 | 60 | 3/4 | 90  | 20 | 295 | 340     | 28  | 30 | 260 | 155 | 310 | 206 |
|              | Ø180 | 100 | M90XP2.0 | 100 | 35 | 40 | 65 | 55 | 172   | 170 | 70 | 1   | 120 | 20 | 355 | 400     | 35  | 40 | 315 | 188 | 375 | 250 |
|              | Ø200 | 100 | M90XP2.0 | 100 | 40 | 40 | 65 | 60 | 175   | 170 | 70 | 1   | 120 | 20 | 365 | 410     | 35  | 40 | 355 | 207 | 425 | 272 |

#### 備註：

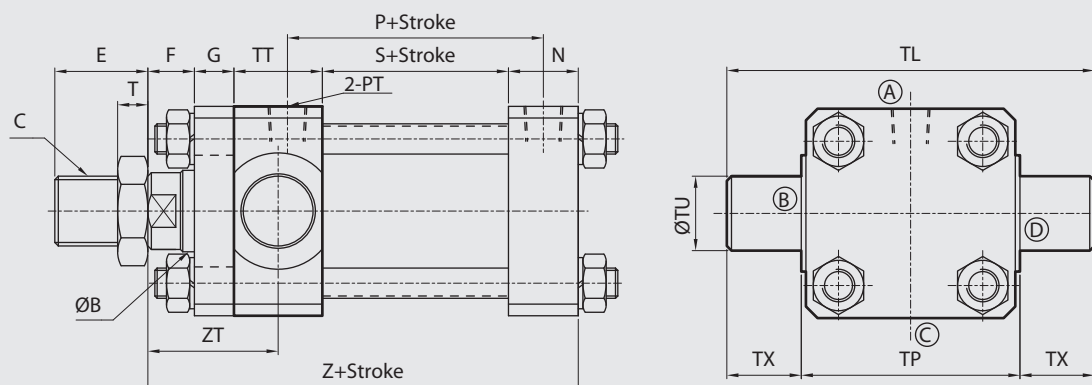
- 1.本系列軸心加大或縮小時如未註明長度尺寸時,依照本公司規定自行加工。
- 2.Ho 系列行程未超過 1500mm時,活塞(PM)長度如附表,訂製行程如超過 1500mm時,活塞長度請參閱特性資料表。
- 3.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specificd when being enlarged or reduced. The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.The screw mut specification of this series of axis over M50 is round and W stands for its external diameter.

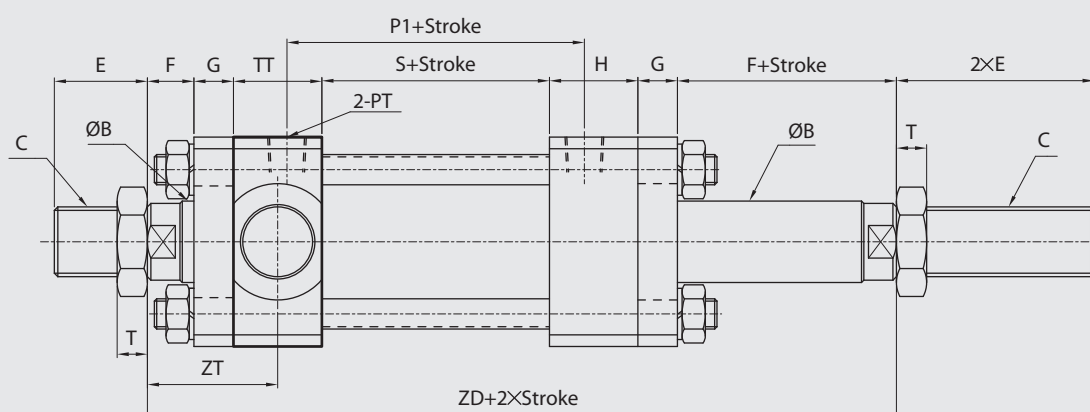
## 方型重油油壓缸TA尺寸圖

14Mpa Hydraulic Cylinders TA Dimensional Features

### HOB HOB+TA TYPE



### HOD HOD+TA TYPE



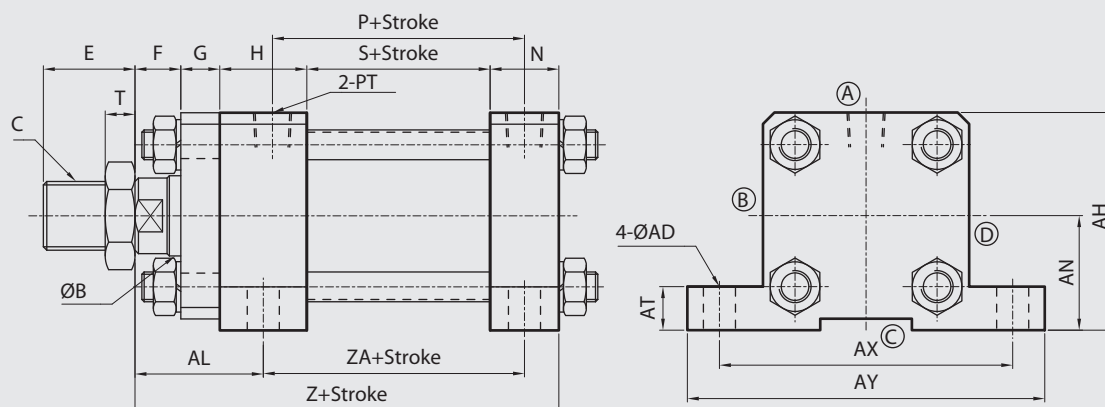
| HOB-HOD TYPE |      |          |    |    |    |    |    |       |     |    |     |     |    |     |     |      | TA TYPE |     |     |    |    |    |
|--------------|------|----------|----|----|----|----|----|-------|-----|----|-----|-----|----|-----|-----|------|---------|-----|-----|----|----|----|
| BORE         | SIZE | ØB       | C  | E  | F  | G  | H  | N     | P   | P1 | PM  | PT  | S  | T   | Z   | ZD   | ZT      | ØTU | TL  | TP | TT | TX |
| Ø40          | 25   | M22XP1.5 | 40 | 20 | 17 | 33 | 28 | 76    | 74  | 30 | 3/8 | 50  | 13 | 148 | 190 | 53.5 | 20      | 109 | 69  | 33 | 20 |    |
| Ø50          | 30   | M26XP1.5 | 40 | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 160 | 205 | 56   | 25      | 134 | 84  | 38 | 25 |    |
| Ø63          | 35   | M30XP1.5 | 45 | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 160 | 205 | 56   | 32      | 154 | 94  | 38 | 30 |    |
| Ø80          | 40   | M30XP1.5 | 45 | 20 | 20 | 38 | 35 | 107   | 105 | 50 | 1/2 | 75  | 13 | 188 | 231 | 59   | 32      | 174 | 114 | 38 | 30 |    |
| Ø100         | 50   | M40XP2.0 | 55 | 25 | 20 | 41 | 37 | 123.5 | 120 | 60 | 1/2 | 90  | 15 | 213 | 262 | 65.5 | 35      | 205 | 135 | 41 | 35 |    |
| Ø125         | 60   | M50XP2.0 | 70 | 35 | 30 | 57 | 47 | 143   | 140 | 70 | 3/4 | 100 | 15 | 269 | 344 | 93.5 | 45      | 258 | 168 | 57 | 45 |    |
| Ø150         | 80   | M70XP2.0 | 80 | 35 | 30 | 60 | 50 | 135   | 130 | 60 | 3/4 | 90  | 20 | 265 | 340 | 95   | 50      | 300 | 200 | 60 | 50 |    |

#### 備註：

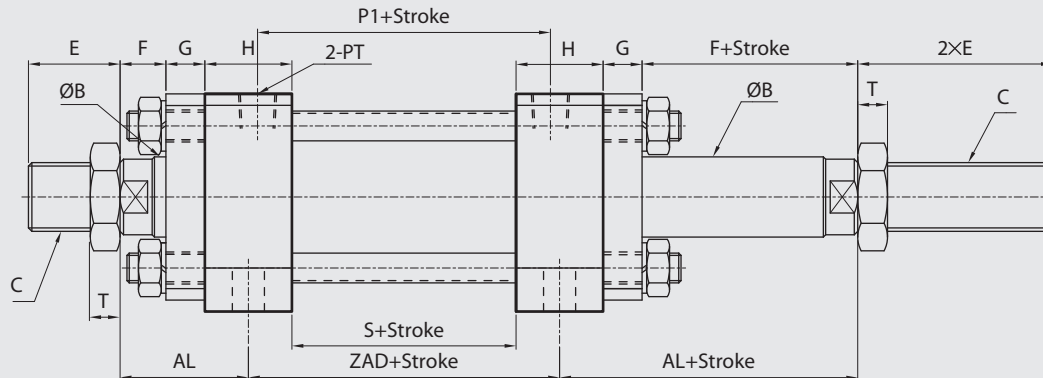
- 1.本系列軸心加大或縮小時如未註明長度尺寸時,依照本公司規定自行加工。
- 2.H0 系列行程未超過 1500mm時,活塞(PM)長度如附表,訂製行程如超過1500mm時, 活塞長度請參閱特性資料表。
- 3.本系列行程若超過 2000mm (含) 時,須加拉桿中間固定座
- 4.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specifide when being enlarged or reduced.  
The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.When this series of stroke exceeds(includes) 2000mm,the fixed base of the pull rod must be added in the middle.
- 4.The screw mut specification of this series of axis over M50 is round and W stands for its external diameter.

#### HOB HOB+LA TYPE



#### HOD HOD+LA TYPE



| HOB-HOD TYPE |      |     |          |     |    |    |    |    |       |       |     |       |     |    |     |     |    |       |     | LA TYPE |     |    |     |     |
|--------------|------|-----|----------|-----|----|----|----|----|-------|-------|-----|-------|-----|----|-----|-----|----|-------|-----|---------|-----|----|-----|-----|
| BORE         | SIZE | ØB  | C        | E   | F  | G  | H  | N  | AH    | AL    | AN  | P     | P1  | PM | PT  | S   | T  | ZA    | ZAD | Z       | ØAD | AT | AX  | AY  |
|              | Ø40  | 25  | M22XP1.5 | 40  | 20 | 17 | 33 | 28 | 69.5  | 53.5  | 37  | 76    | 74  | 30 | 3/8 | 50  | 13 | 80.5  | 83  | 148     | 12  | 14 | 90  | 112 |
|              | Ø50  | 30  | M26XP1.5 | 40  | 20 | 17 | 38 | 30 | 85    | 56    | 45  | 85    | 85  | 35 | 3/8 | 55  | 13 | 89    | 93  | 160     | 14  | 17 | 115 | 140 |
|              | Ø63  | 35  | M30XP1.5 | 45  | 20 | 17 | 38 | 30 | 95    | 56    | 50  | 85    | 85  | 35 | 3/8 | 55  | 13 | 89    | 93  | 160     | 14  | 19 | 128 | 156 |
|              | Ø80  | 40  | M30XP1.5 | 45  | 20 | 20 | 38 | 35 | 115   | 59    | 60  | 107   | 105 | 50 | 1/2 | 75  | 13 | 111.5 | 113 | 188     | 18  | 25 | 152 | 184 |
|              | Ø100 | 50  | M40XP2.0 | 55  | 25 | 20 | 41 | 37 | 135.5 | 65.5  | 70  | 123.5 | 120 | 60 | 1/2 | 90  | 15 | 129   | 131 | 213     | 21  | 27 | 178 | 210 |
|              | Ø125 | 60  | M50XP2.0 | 70  | 35 | 30 | 57 | 47 | 171   | 93.5  | 90  | 143   | 140 | 70 | 3/4 | 100 | 15 | 152   | 157 | 269     | 24  | 30 | 230 | 280 |
|              | Ø150 | 80  | M70XP2.0 | 80  | 35 | 30 | 60 | 50 | 208   | 95    | 113 | 135   | 130 | 60 | 3/4 | 90  | 20 | 145   | 150 | 265     | 28  | 35 | 270 | 325 |
|              | Ø180 | 100 | M90XP2.0 | 100 | 35 | 40 | 65 | 55 | 260.5 | 107.5 | 143 | 172   | 170 | 70 | 1   | 120 | 20 | 180   | 185 | 315     | 35  | 45 | 330 | 395 |
|              | Ø200 | 100 | M90XP2.0 | 100 | 40 | 40 | 65 | 60 | 292   | 112.5 | 161 | 175   | 170 | 70 | 1   | 120 | 20 | 182.5 | 185 | 325     | 35  | 50 | 360 | 430 |

#### 備註：

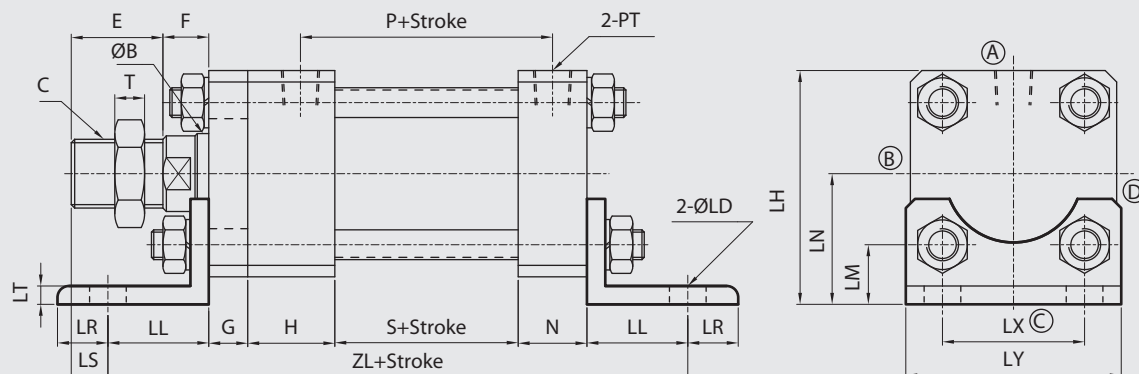
- 1.本系列軸心加大或縮小時如未註明長度尺寸時,依照本公司規定自行加工。
- 2.HO 系列行程未超過 1500mm時,活塞(PM)長度如附表,訂製行程如超過1500mm時, 活塞長度請參閱特性資料表。
- 3.本系列行程若超過 2000mm(含)時,須加拉桿中間固定座
- 4.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specifide when being enlarged or reduced.  
The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.When this series of stroke exceeds(includes) 2000mm,the fixed base of the pull rod must be added in the middle.
- 4.The screw mut specification of this series of axis over M50 is round and W stands for its external diameter.

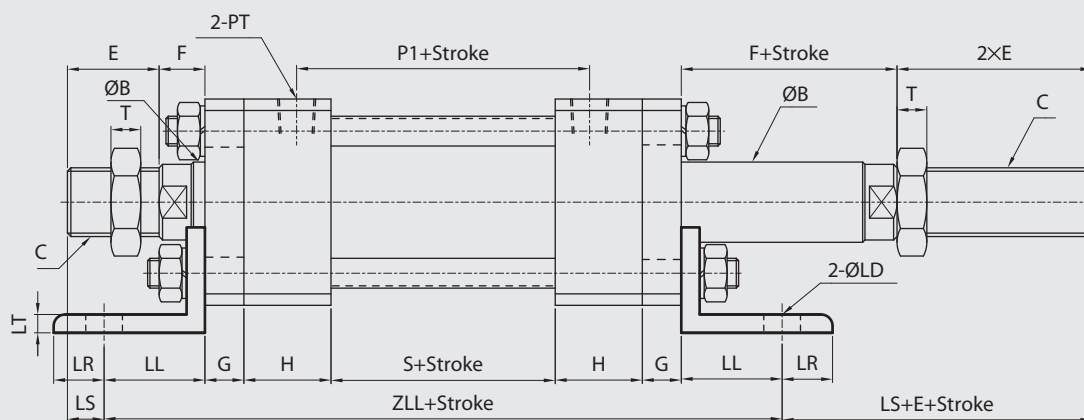
## 方型重油油壓缸LB架尺寸圖

14Mpa Hydraulic Cylinders LB Dimensional Features

### HOB HOB+LB TYPE



### HOD HOD+LB TYPE



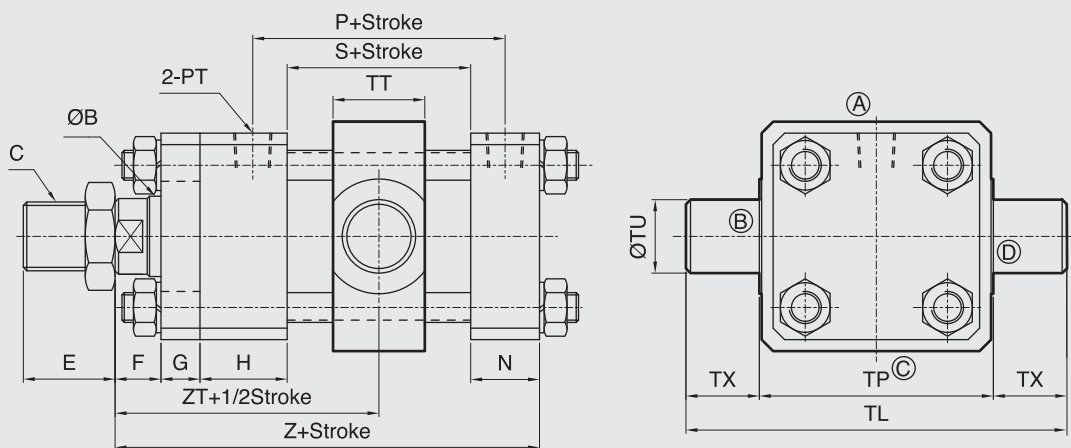
| HOB-HOD TYPE |      |     |          |     |    |    |    |    |       |     |      |       |     |    |     |     |    |     |     | LB TYPE |      |      |      |    |     |     |  |
|--------------|------|-----|----------|-----|----|----|----|----|-------|-----|------|-------|-----|----|-----|-----|----|-----|-----|---------|------|------|------|----|-----|-----|--|
| BORE         | SIZE | ØB  | C        | E   | F  | G  | H  | N  | LH    | LN  | LS   | P     | P1  | PM | PT  | S   | T  | ZL  | ZLL | ØLD     | LL   | LM   | LR   | LT | LX  | LY  |  |
|              | Ø40  | 25  | M22XP1.5 | 40  | 20 | 17 | 33 | 28 | 78.5  | 46  | 22.5 | 76    | 74  | 30 | 3/8 | 50  | 13 | 203 | 225 | 11      | 37.5 | 23.5 | 12.5 | 6  | 45  | 68  |  |
|              | Ø50  | 30  | M26XP1.5 | 40  | 20 | 17 | 38 | 30 | 94    | 54  | 18   | 85    | 85  | 35 | 3/8 | 55  | 13 | 224 | 249 | 14      | 42   | 26   | 22   | 8  | 56  | 85  |  |
|              | Ø63  | 35  | M30XP1.5 | 45  | 20 | 17 | 38 | 30 | 102   | 57  | 21   | 85    | 85  | 35 | 3/8 | 55  | 13 | 228 | 253 | 16      | 44   | 26   | 22   | 8  | 62  | 95  |  |
|              | Ø80  | 40  | M30XP1.5 | 45  | 20 | 20 | 38 | 35 | 131   | 76  | 2    | 107   | 105 | 50 | 1/2 | 75  | 13 | 294 | 317 | 18      | 63   | 36   | 27   | 13 | 80  | 120 |  |
|              | Ø100 | 50  | M40XP2.0 | 55  | 25 | 20 | 41 | 37 | 158.5 | 93  | 14   | 123.5 | 120 | 60 | 1/2 | 90  | 15 | 320 | 344 | 20      | 66   | 45.5 | 24   | 15 | 100 | 140 |  |
|              | Ø125 | 60  | M50XP2.0 | 70  | 35 | 30 | 57 | 47 | 195   | 114 | 25   | 143   | 140 | 70 | 3/4 | 100 | 15 | 394 | 434 | 24      | 80   | 53   | 30   | 15 | 122 | 169 |  |
|              | Ø150 | 80  | M70XP2.0 | 80  | 35 | 30 | 60 | 50 | 220   | 125 | 35   | 135   | 130 | 60 | 3/4 | 90  | 20 | 390 | 430 | 28      | 80   | 53   | 30   | 20 | 144 | 200 |  |
|              | Ø180 | 100 | M90XP2.0 | 100 | 35 | 40 | 65 | 55 | 267.5 | 150 | 45   | 172   | 170 | 70 | 1   | 120 | 20 | 460 | 510 | 35      | 90   | 62.5 | 40   | 20 | 175 | 240 |  |
|              | Ø200 | 100 | M90XP2.0 | 100 | 40 | 40 | 65 | 60 | 301   | 170 | 45   | 175   | 170 | 70 | 1   | 120 | 20 | 475 | 520 | 35      | 95   | 73.5 | 40   | 25 | 193 | 265 |  |

#### 備註：

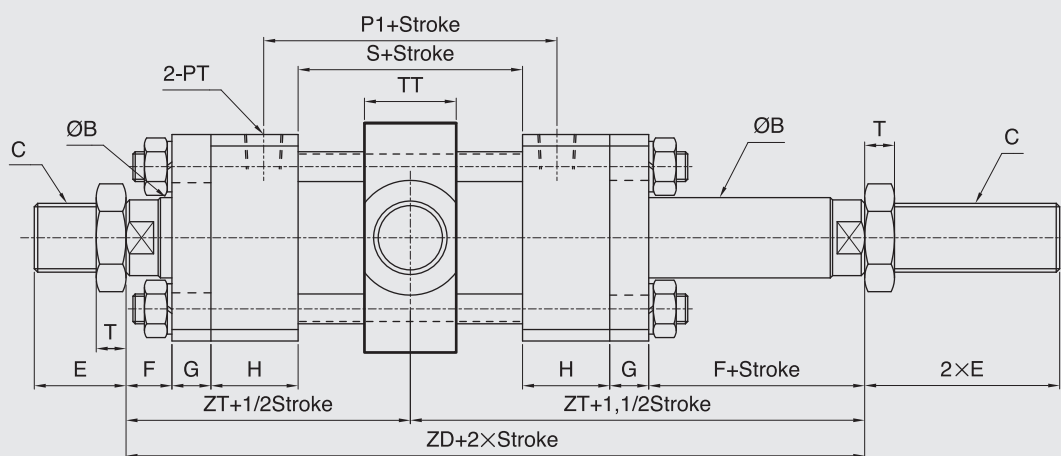
- 1.本系列軸心加大或縮小時如未註明長度尺寸時,依照本公司規定自行加工。
- 2.HO 系列行程未超過 1500mm時,活塞(PM)長度如附表,訂製行程如超過 1500mm時,活塞長度請參閱特性資料表。
- 3.本系列行程若超過 2000mm(含)時,須加拉桿中間固定座
- 4.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specificd when being enlarged or reduced.  
The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.When this series of stroke exceeds(includes) 2000mm,the fixed base of the pull rod must be added in the middle.
- 4.The screw mut specification of this series of axis over M50 is round and W stands for its external diameter.

#### HOB HOB+TC TYPE



#### HOD HOD+TC TYPE



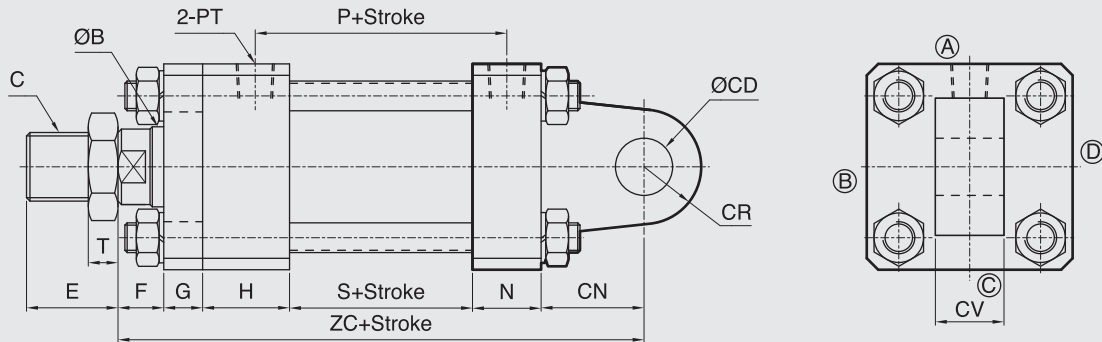
| HOB-HOD TYPE |      |     |          |     |    |    |    |    |       |     |    |     |     |    |     |     |       | TC TYPE |     |     |     |    |
|--------------|------|-----|----------|-----|----|----|----|----|-------|-----|----|-----|-----|----|-----|-----|-------|---------|-----|-----|-----|----|
| BORE         | SIZE | ØB  | C        | E   | F  | G  | H  | N  | P     | P1  | PM | PT  | S   | T  | Z   | ZD  | ZT    | ØTU     | TL  | TP  | TT  | TX |
| Ø40          |      | 25  | M22XP1.5 | 40  | 20 | 17 | 33 | 28 | 76    | 74  | 30 | 3/8 | 50  | 13 | 148 | 190 | 95    | 20      | 115 | 75  | 28  | 20 |
| Ø50          |      | 30  | M26XP1.5 | 40  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 160 | 205 | 102.5 | 25      | 140 | 90  | 33  | 25 |
| Ø63          |      | 35  | M30XP1.5 | 45  | 20 | 17 | 38 | 30 | 85    | 85  | 35 | 3/8 | 55  | 13 | 160 | 205 | 102.5 | 32      | 166 | 102 | 40  | 32 |
| Ø80          |      | 40  | M30XP1.5 | 45  | 20 | 20 | 38 | 35 | 107   | 105 | 50 | 1/2 | 75  | 13 | 188 | 231 | 115.5 | 32      | 184 | 120 | 43  | 32 |
| Ø100         |      | 50  | M40XP2.0 | 55  | 25 | 20 | 41 | 37 | 123.5 | 120 | 60 | 1/2 | 90  | 15 | 213 | 262 | 131   | 40      | 220 | 140 | 53  | 40 |
| Ø125         |      | 60  | M50XP2.0 | 70  | 35 | 30 | 57 | 47 | 143   | 140 | 70 | 3/4 | 100 | 15 | 269 | 344 | 172   | 50      | 275 | 175 | 58  | 50 |
| Ø150         |      | 80  | M70XP2.0 | 80  | 35 | 30 | 60 | 50 | 135   | 130 | 60 | 3/4 | 90  | 20 | 265 | 340 | 170   | 60      | 326 | 206 | 73  | 60 |
| Ø180         |      | 100 | M90XP2.0 | 100 | 35 | 40 | 65 | 55 | 172   | 170 | 70 | 1   | 120 | 20 | 315 | 400 | 200   | 80      | 403 | 243 | 98  | 80 |
| Ø200         |      | 100 | M90XP2.0 | 100 | 40 | 40 | 65 | 60 | 175   | 170 | 70 | 1   | 120 | 20 | 325 | 410 | 205   | 90      | 452 | 272 | 108 | 90 |

#### 備註：

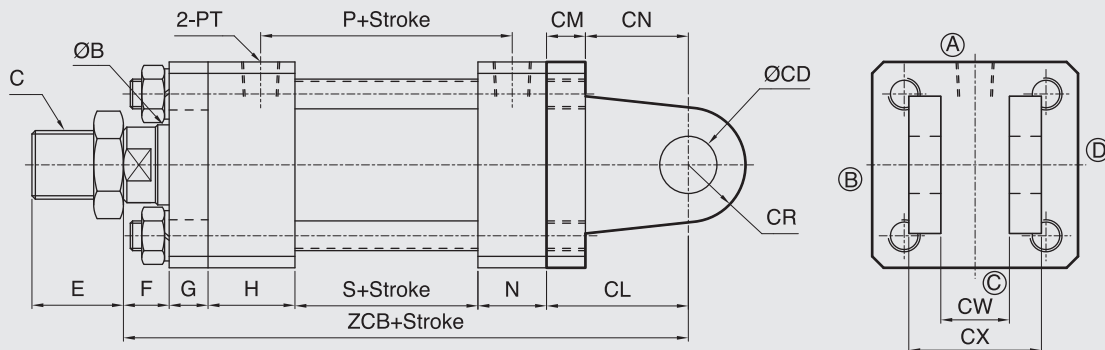
- 1.本系列軸心加大或縮小時如未註明長度尺寸時,依照本公司規定自行加工。
- 2.HO 系列行程未超過 1500mm時,活塞(PM)長度如附表,訂製行程如超過 1500mm時,活塞長度請參閱特性資料表。
- 3.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specide when being enlarged or reduced.  
The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.The screw mut specification of this series of axis over M50 is round and W stands for its external diameter.

## HOB HOB+CA TYPE



## HOB HOB+CB TYPE



| HOB TYPE |      |     |          |     |    |    |    |    |       |    |     |     |    |     | CA-CB TYPE |     |     |    |     |    |    |    |     |
|----------|------|-----|----------|-----|----|----|----|----|-------|----|-----|-----|----|-----|------------|-----|-----|----|-----|----|----|----|-----|
| BORE     | SIZE | ØB  | C        | E   | F  | G  | H  | N  | P     | PM | PT  | S   | T  | ZC  | ZCB        | ØCD | CL  | CM | CN  | CR | CV | CW | CX  |
|          | Ø40  | 25  | M22XP1.5 | 40  | 20 | 17 | 33 | 28 | 76    | 30 | 3/8 | 50  | 13 | 173 | 190        | 16  | 42  | 17 | 25  | 15 | 22 | 23 | 47  |
|          | Ø50  | 30  | M26XP1.5 | 40  | 20 | 17 | 38 | 30 | 85    | 35 | 3/8 | 55  | 13 | 195 | 212        | 20  | 52  | 17 | 35  | 20 | 22 | 23 | 47  |
|          | Ø63  | 35  | M30XP1.5 | 45  | 20 | 17 | 38 | 30 | 85    | 35 | 3/8 | 55  | 13 | 205 | 222        | 25  | 62  | 17 | 45  | 25 | 30 | 31 | 59  |
|          | Ø80  | 40  | M30XP1.5 | 45  | 20 | 20 | 38 | 35 | 107   | 50 | 1/2 | 75  | 13 | 238 | 258        | 30  | 70  | 20 | 50  | 30 | 35 | 36 | 76  |
|          | Ø100 | 50  | M40XP2.0 | 55  | 25 | 20 | 41 | 37 | 123.5 | 60 | 1/2 | 90  | 15 | 273 | 293        | 35  | 80  | 20 | 60  | 35 | 40 | 41 | 81  |
|          | Ø125 | 60  | M50XP2.0 | 70  | 35 | 30 | 57 | 47 | 143   | 70 | 3/4 | 100 | 15 | 339 | 369        | 50  | 100 | 30 | 70  | 50 | 55 | 56 | 106 |
|          | Ø150 | 80  | M70XP2.0 | 80  | 35 | 30 | 60 | 50 | 135   | 60 | 3/4 | 90  | 20 | 345 | 375        | 60  | 110 | 30 | 80  | 60 | 60 | 61 | 121 |
|          | Ø180 | 100 | M90XP2.0 | 100 | 35 | 40 | 65 | 55 | 172   | 70 | 1   | 120 | 20 | 415 | 455        | 80  | 140 | 40 | 100 | 80 | 80 | 81 | 161 |
|          | Ø200 | 100 | M90XP2.0 | 100 | 40 | 40 | 65 | 60 | 175   | 70 | 1   | 120 | 20 | 435 | 475        | 90  | 150 | 40 | 110 | 90 | 90 | 91 | 171 |

### 備註：

- 1.本系列軸心加大或縮小時如未註明長度尺寸時,依照本公司規定自行加工。
- 2.HO 系列行程未超過 1500mm時,活塞(PM)長度如附表,訂製行程如超過 1500mm時, 活塞長度請參閱特性資料表。
- 3.本系列行程若超過 2000mm(含)時,須加拉桿中間固定座
- 4.本系列軸心螺帽規格M50mm(含)以上時,其外徑為圓形。

- 1.The length and size of the axis were not specifide when being enlarged or reduced.  
The size of the axis will be constructed according to the specification tablet.
- 2.When this series of stroke exceeds(includes) 1500mm, as see the property information for the length of the piston. Within 1500mm see the (PM) length of piston.
- 3.When this series of stroke exceeds(includes) 2000mm,the fixed base of the pull rod must be added in the middle.
- 4.The screw nut specification of this series of axis over M50 is round and W stands for its external diameter.