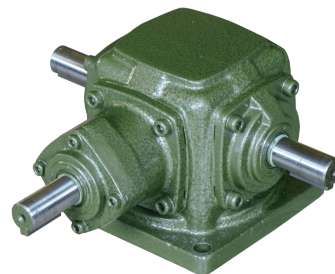


# PKM

## PKM十字轉向機



RKM - 4M - B2 ILR - O - IN

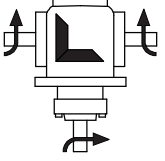
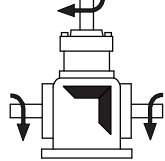
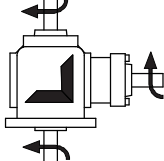
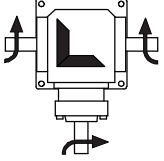
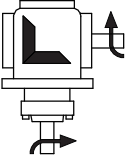
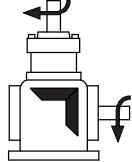
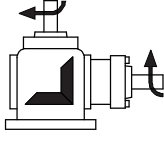
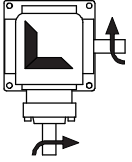
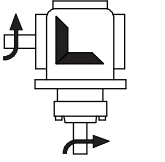
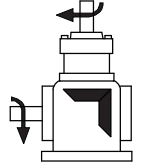
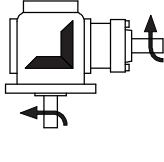
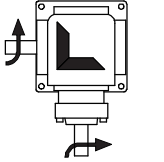
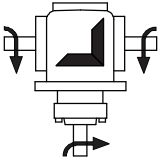
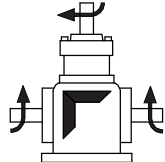
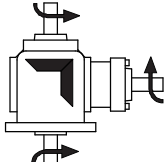
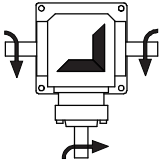
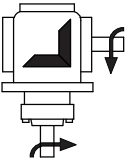
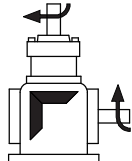
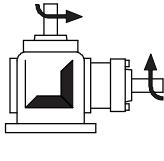
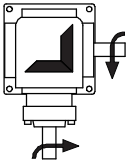
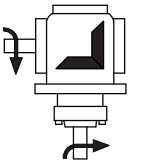
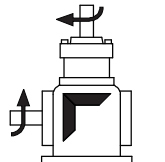
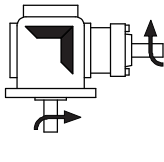
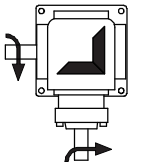
入力轉速(100~3600)rpm

軸方向

速比 無標示速比為1:1 B2為2:1

規格

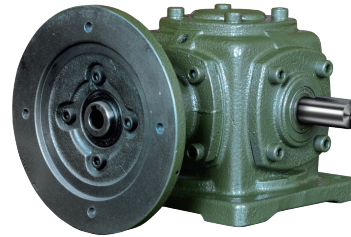
十字轉向機型號

|                                                                                              |                                                                                              |                                                                                               |                                                                                                |
|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| <br>DLR     | <br>ULR     | <br>IUD     | <br>ILR     |
| <br>DR     | <br>UR     | <br>IU     | <br>IR     |
| <br>DL    | <br>UL    | <br>ID    | <br>IL    |
| <br>DLR-O | <br>ULR-O | <br>IUD-O | <br>ILR-O |
| <br>DR-O  | <br>UR-O  | <br>IU-O  | <br>IR-O  |
| <br>DL-O  | <br>UL-O  | <br>ID-O  | <br>IL-O  |

# PKM

## PKM十字轉向機

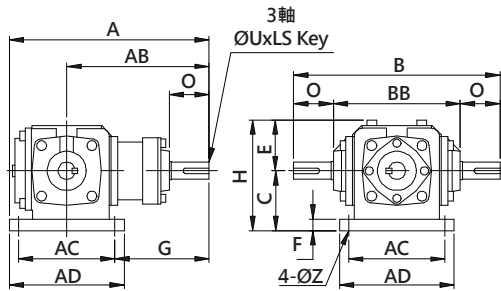
2M#-12M#



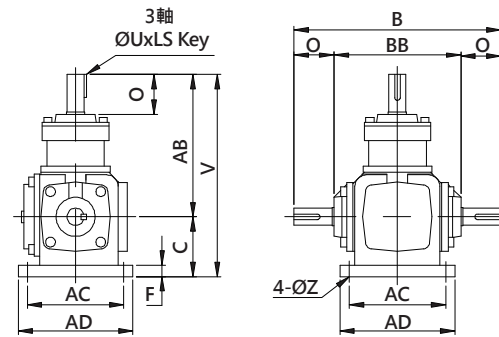
十字轉向機

PKM外觀尺寸

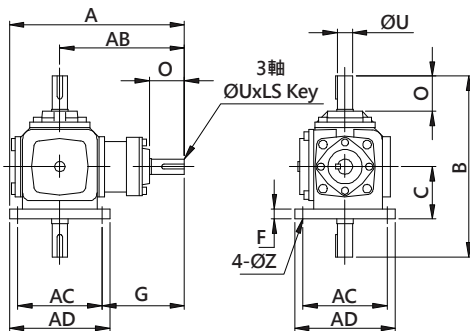
### I-LR(-O)



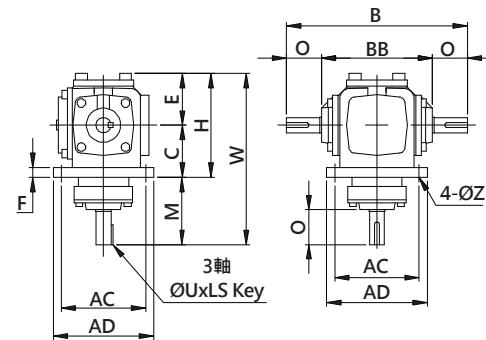
### U-LR(-O)



### I-UD(-O)



### D-LR(-O)



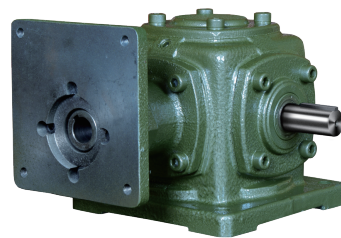
尺寸規格表 DIMENSIONS(MM)

| 機型    | 外型尺寸 |     |     |     |     |     |     |       |     |     |     |     | 固定尺寸 |     |    |    | 側軸 十字軸 |     |       | GD <sup>2</sup><br>(Kgf-m <sup>2</sup> ) | 油量<br>(L) | 重量<br>(kg) |
|-------|------|-----|-----|-----|-----|-----|-----|-------|-----|-----|-----|-----|------|-----|----|----|--------|-----|-------|------------------------------------------|-----------|------------|
| MODEL | A    | AB  | B   | BB  | C   | E   | H   | G     | M   | O   | V   | W   | AC   | AD  | F  | Z  | ØU     | LS  | Key   |                                          |           |            |
| PK2M  | 174  | 124 | 180 | 110 | 52  | 50  | 102 | 82    | 72  | 35  | 176 | 174 | 84   | 100 | 10 | 9  | 15     | 33  | 5X5   | 0.00016                                  | 0.2       | 3.2        |
| PK4M  | 258  | 180 | 232 | 151 | 76  | 72  | 148 | 117.5 | 103 | 40  | 256 | 251 | 125  | 155 | 16 | 11 | 19*    | 38  | 6X6   | 0.00048                                  | 0.3       | 10.5       |
| PK6M  | 317  | 222 | 314 | 206 | 90  | 92  | 182 | 146   | 132 | 54  | 312 | 314 | 152  | 190 | 20 | 14 | 25     | 50  | 8X7   | 0.00448                                  | 1.2       | 21         |
| PK7M  | 372  | 265 | 350 | 220 | 100 | 90  | 190 | 178   | 165 | 65  | 365 | 355 | 174  | 210 | 20 | 14 | 32     | 62  | 10X8  | 0.01125                                  | 1.6       | 31         |
| PK8M  | 425  | 308 | 416 | 260 | 115 | 111 | 226 | 210.5 | 192 | 78  | 423 | 419 | 195  | 235 | 22 | 14 | 40     | 75  | 12X8  | 0.01536                                  | 2.0       | 45         |
| PK10M | 502  | 360 | 480 | 290 | 140 | 118 | 258 | 240   | 220 | 95  | 500 | 478 | 240  | 285 | 25 | 16 | 45     | 90  | 14X9  | 0.07365                                  | 3.5       | 78         |
| PK12M | 585  | 415 | 550 | 339 | 175 | 165 | 340 | 270   | 240 | 106 | 590 | 580 | 290  | 360 | 32 | 21 | 50     | 100 | 14X9  | 0.08158                                  | 7         | 124        |
| PK16M | 650  | 455 | 630 | 410 | 200 | 186 | 386 | 290   | 255 | 110 | 655 | 641 | 330  | 390 | 40 | 25 | 60     | 105 | 18X11 | 0.27200                                  | 10.5      | 190        |

\*4M 2:1 軸心有 16key 5X5X30L & Ø19 6X6X30L 兩種

# PKM

## PKM十字轉向機



十字轉向機機型選用;

步驟一：決定補正係數(表1)。

步驟二：選擇適當轉向機需滿足扭力  
或 kw 值需求在(表2)(表3)指示  
速比及出力軸轉速。

(表1)

| 電動機electric motor<br>負荷性質<br>load conditions | 使用時間 operation time |                |                |                |
|----------------------------------------------|---------------------|----------------|----------------|----------------|
|                                              | 0.5                 | 2              | 10             | 24             |
| 均一負荷<br>uniform load                         | 0.9<br>(0.9)        | 1.0<br>(1.0)   | 1.0<br>(1.25)  | 1.25<br>(1.50) |
| 中負荷<br>moderate shock                        | 1.0<br>(1.0)        | 1.0<br>(1.25)  | 1.25<br>(1.50) | 1.50<br>(1.75) |
| 重負荷<br>heavy shock                           | 1.0<br>(1.25)       | 1.25<br>(1.50) | 1.50<br>(1.75) | 1.75<br>(2.0)  |

To Select correct model for miter gear box :

Step1:Determine the service factor(table 1)

Step2:Select the proper gear box which satisfisfies both  
torque or kw requirement at the specified speed  
ratio and shaft rpm(table2,3)

扭力需求 ≥ 使用扭力X補正係數

KW值需求 ≥ 使用KW值X補正係數

Torque requiremnet ≥ Applied torqueXService factor

kw Requirement ≥ Applied kw X Service Factor

註一:均一負荷及連續運轉其補正係數為1.0

註二:每小時啟動停止10回合以上採用( )內數值

Note1:The service factor for uniform load and continuous  
operation is 10

Note2:Use the number in ( )for stap over 10 cycles per hour

(表2) 速比1:1 Table(2) Speed ratio 1:1

| Model \ R.P.M. |       | 3600  | 2750  | 1900  | 1750  | 1460  | 1150  | 870   | 580   | 400   | 300   | 200   | 150   | 100   | 50    | 10    |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PK2M           | KW    | 2.926 | 2.282 | 1.617 | 1.498 | 1.26  | 1.008 | 0.77  | 0.523 | 0.366 | 0.277 | 0.186 | 0.140 | 0.095 | 0.047 | 0.009 |
|                | kgf-m | 0.77  | 0.791 | 0.812 | 0.819 | 0.826 | 0.833 | 0.861 | 0.861 | 0.875 | 0.882 | 0.889 | 0.896 | 0.91  | 0.91  | 0.931 |
| PK4M           | KW    | 6.503 | 5.341 | 4.123 | 3.927 | 3.486 | 2.933 | 2.422 | 1.715 | 1.204 | 0.91  | 0.616 | 0.465 | 0.313 | 0.158 | 0.032 |
|                | kgf-m | 1.722 | 1.855 | 2.072 | 2.142 | 2.275 | 2.436 | 2.66  | 2.821 | 2.87  | 2.891 | 2.94  | 2.961 | 2.996 | 3.031 | 3.073 |
| PK6M           | KW    | 17.85 | 15.26 | 11.62 | 10.78 | 9.45  | 8.05  | 6.622 | 4.977 | 3.633 | 2.758 | 1.869 | 1.414 | 0.952 | 0.485 | 0.099 |
|                | kgf-m | 4.732 | 5.292 | 5.838 | 5.88  | 6.174 | 6.678 | 7.28  | 8.19  | 8.68  | 8.75  | 8.89  | 8.96  | 9.1   | 9.24  | 9.45  |
| PK8M           | KW    |       | 48.3  | 35.49 | 32.97 | 27.93 | 22.4  | 17.29 | 11.83 | 8.54  | 6.664 | 4.445 | 3.444 | 2.443 | 1.288 | 0.270 |
|                | kgf-m |       | 16.73 | 17.85 | 17.99 | 18.27 | 18.55 | 18.97 | 19.46 | 20.37 | 21.21 | 21.21 | 21.91 | 23.31 | 24.64 | 25.76 |
| PK10M          | KW    |       |       | 50.05 | 47.11 | 41.23 | 35.07 | 28.9  | 21.35 | 15.05 | 11.48 | 7.77  | 5.92  | 4     | 2.04  | 0.419 |
|                | kgf-m |       |       | 25.13 | 25.69 | 26.95 | 29.12 | 31.5  | 35.14 | 35.91 | 36.54 | 37.1  | 37.66 | 38.22 | 38.85 | 40.04 |
| PK12M          | KW    |       |       | 68.25 | 64.33 | 56.63 | 48.09 | 39.55 | 30.03 | 23.24 | 18.69 | 12.74 | 9.66  | 6.55  | 3.34  | 0.688 |
|                | kgf-m |       |       | 34.3  | 35.07 | 37.03 | 39.9  | 43.4  | 49.42 | 55.44 | 59.43 | 60.76 | 61.46 | 62.44 | 63.7  | 65.66 |

(表3) 速比2:1 Table(3) Speed ratio 2:1

| Model \ R.P.M. |       | 3600  | 2750  | 1900  | 1750  | 1460  | 1150  | 870   | 580   | 400   | 300   | 200   | 150   | 100   | 50    | 10    |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PK2M           | KW    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|                | kgf-m |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| PK4M           | KW    | 5.45  | 4.242 | 2.996 | 2.779 | 2.338 | 1.869 | 1.428 | 0.966 | 0.677 | 0.512 | 0.345 | 0.26  | 0.175 | 0.088 | 0.018 |
|                | kgf-m | 1.47  | 1.498 | 1.533 | 1.547 | 1.561 | 1.582 | 1.596 | 1.617 | 1.645 | 1.659 | 1.68  | 1.687 | 1.701 | 1.715 | 1.771 |
| PK6M           | KW    | 12.95 | 10.08 | 7.14  | 6.65  | 5.607 | 4.48  | 3.437 | 2.338 | 1.638 | 1.239 | 0.833 | 0.631 | 0.424 | 0.214 | 0.043 |
|                | kgf-m | 3.5   | 3.57  | 3.661 | 3.696 | 3.738 | 3.794 | 3.843 | 3.927 | 3.99  | 4.018 | 4.053 | 4.095 | 4.137 | 4.186 | 4.228 |
| PK8M           | KW    |       | 18.62 | 12.81 | 11.83 | 9.87  | 7.91  | 6.09  | 4.144 | 2.905 | 2.205 | 1.491 | 1.127 | 0.756 | 0.385 | 0.078 |
|                | kgf-m |       | 6.594 | 6.594 | 6.594 | 6.594 | 6.699 | 6.818 | 6.958 | 7.07  | 7.14  | 7.21  | 7.28  | 7.35  | 7.49  | 7.63  |
| PK10M          | KW    |       |       | 21.35 | 19.74 | 16.73 | 13.37 | 10.29 | 7     | 4.928 | 3.738 | 2.527 | 1.911 | 1.288 | 0.653 | 0.133 |
|                | kgf-m |       |       | 10.92 | 10.99 | 11.13 | 11.27 | 11.48 | 11.76 | 11.97 | 12.11 | 12.32 | 12.39 | 12.53 | 12.74 | 13.02 |
| PK12M          | KW    |       |       | 36.75 | 33.81 | 28.21 | 22.26 | 16.80 | 11.41 | 8.05  | 6.104 | 4.13  | 3.129 | 2.107 | 1.071 | 0.219 |
|                | kgf-m |       |       | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 19.11 | 19.6  | 19.81 | 20.09 | 20.3  | 20.51 | 20.86 | 21.35 |