

## ▼ 液压扭矩扳手



### 液压扳手

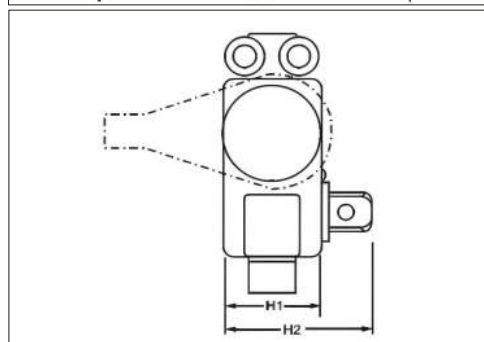
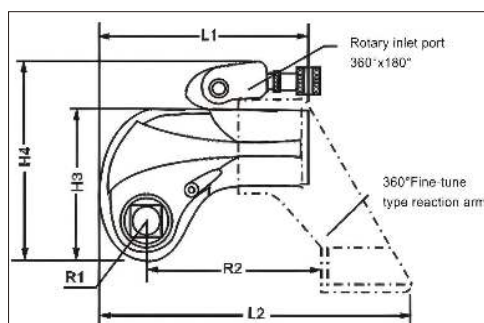
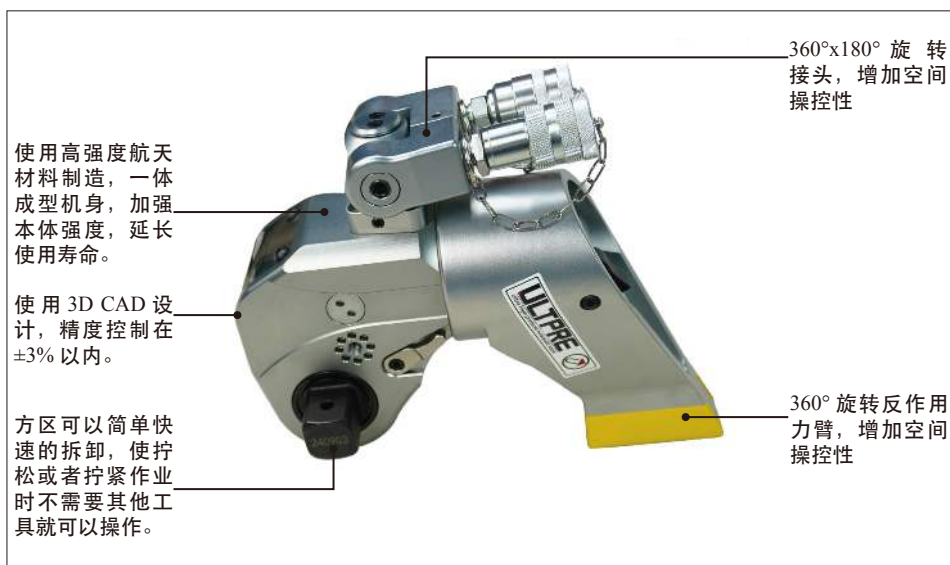
最大扭矩: 48666N·m

最大螺母尺寸: 225mm

最大工作压力: 70MPa

- 采用高强度材料一体成型机身，增强本体强度，延长使用寿命
- 质量轻、易使用，多种方驱可选，方驱可快速拆卸
- 配备 360° x 180° 旋转接头，增加空间操控性。
- 使用 3D CAD 设计，精度控制在 ±3% 以内
- 可选配 360° 微调式加长反作用力臂
- 最优强度与尺寸比，便于进入空间受限的应用工况
- 增加安全特性的旋转油路块设计，提高了操作人员的安全性
- 薄型工作头设计，更加适用于狭窄空间

### ▼ HWS 驱动型液压扳手



### ▼ HWS 扳手规格表

| 型号       | 方区尺寸     | 扭矩范围 (N·m)   | 螺母范围 (mm) | 重量 (KG) | L1(mm) | L2(mm) | H1(mm) | H2(mm) | H3(mm) | H4(mm) | R1(mm) | R2(mm) |
|----------|----------|--------------|-----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| HWS - 1  | 3/4"     | 183 - 1837   | 16 - 36   | 2       | 130    | 182    | 50     | 72     | 99     | 144    | 26     | 99     |
| HWS - 3  | 1"       | 451 - 4512   | 22 - 48   | 4       | 166    | 241    | 68     | 95     | 130    | 176    | 34     | 134    |
| HWS - 5  | 1 - 1/2" | 752 - 7528   | 27 - 56   | 7       | 198    | 281    | 80     | 123    | 155    | 198    | 39     | 152    |
| HWS - 8  | 1 - 1/2" | 1078 - 10780 | 30 - 64   | 9.1     | 213    | 308    | 90     | 130    | 171    | 216    | 47     | 171    |
| HWS - 10 | 1 - 1/2" | 1551 - 15516 | 36 - 72   | 13.1    | 231    | 336    | 100    | 141    | 187    | 230    | 51     | 174    |

| 型号       | 方区尺寸     | 扭矩范围<br>(N·m) | 螺母范围<br>(mm) | 重量 (KG) | L1(mm) | L2(mm) | H1(mm) | H2(mm) | H3(mm) | H4(mm) | R1(mm) | R2(mm) |
|----------|----------|---------------|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| HWS - 20 | 2 - 1/2" | 2666 - 26664  | 42 - 90      | 25      | 295    | 443    | 120    | 182    | 228    | 268    | 59     | 250    |
| HWS - 25 | 2 - 1/2" | 3572 - 34725  | 48 - 100     | 31      | 314    | 464    | 137    | 200    | 255    | 295    | 67     | 251    |
| HWS - 35 | 2 - 1/2" | 4866 - 48666  | 64 - 120     | 45      | 355    | 489    | 153    | 217    | 290    | 330    | 79     | 271    |

## ▼HWS 扳手套筒规格表



| 型号         | 扳手型号                 | 对边          | 螺母尺寸 |
|------------|----------------------|-------------|------|
| HWST-75022 | HWS-1                | 3/4 " ×22   | M14  |
| HWST-75024 |                      | 3/4 " ×24   | M16  |
| HWST-75027 |                      | 3/4 " ×27   | M18  |
| HWST-75030 |                      | 3/4 " ×30   | M20  |
| HWST-75032 |                      | 3/4 " ×32   | M22  |
| HWST-75036 |                      | 3/4 " ×36   | M24  |
| HWST-75041 |                      | 3/4 " ×41   | M27  |
| HWST-75046 |                      | 3/4 " ×46   | M30  |
| HWST-75050 |                      | 3/4 " ×50   | M33  |
| HWST-75055 |                      | 3/4 " ×55   | M36  |
| HWST-10027 | HWS-3                | 1 " ×27     | M18  |
| HWST-10030 |                      | 1 " ×30     | M20  |
| HWST-10032 |                      | 1 " ×32     | M22  |
| HWST-10036 |                      | 1 " ×36     | M24  |
| HWST-10041 |                      | 1 " ×41     | M27  |
| HWST-10046 |                      | 1 " ×46     | M30  |
| HWST-10050 |                      | 1 " ×50     | M33  |
| HWST-10055 |                      | 1 " ×55     | M36  |
| HWST-10060 |                      | 1 " ×60     | M39  |
| HWST-10065 |                      | 1 " ×65     | M42  |
| HWST-10070 |                      | 1 " ×70     | M45  |
| HWST-10075 |                      | 1 " ×75     | M48  |
| HWST-10080 |                      | 1 " ×80     | M52  |
| HWST-10085 |                      | 1 " ×85     | M56  |
| HWST-10090 |                      | 1 " ×90     | M60  |
| HWST-10095 |                      | 1 " ×95     | M64  |
| HWST-15032 | HWS-5, HWS-8, HWS-10 | 1-1/2 " ×32 | M22  |
| HWST-15036 |                      | 1-1/2 " ×36 | M24  |
| HWST-15041 |                      | 1-1/2 " ×41 | M27  |
| HWST-15046 |                      | 1-1/2 " ×46 | M30  |
| HWST-15050 |                      | 1-1/2 " ×50 | M33  |
| HWST-15055 |                      | 1-1/2 " ×55 | M36  |
| HWST-15060 |                      | 1-1/2 " ×60 | M39  |
| HWST-15065 |                      | 1-1/2 " ×65 | M42  |
| HWST-15070 |                      | 1-1/2 " ×70 | M45  |
| HWST-15075 |                      | 1-1/2 " ×75 | M48  |

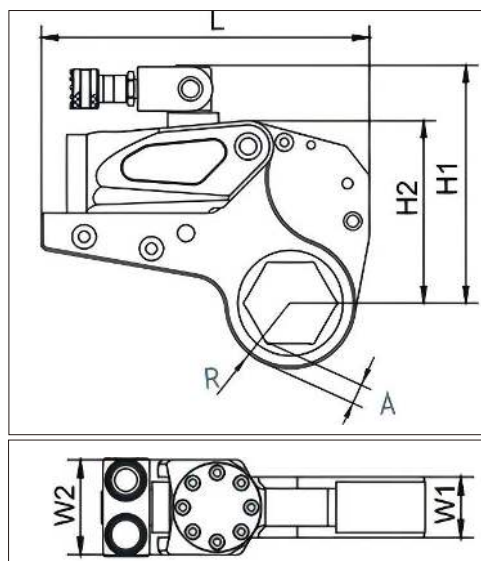
| 型号          | 扳手型号                   | 对边           | 螺母尺寸 |
|-------------|------------------------|--------------|------|
| HWST-15080  | HWS-5, HWS-8, HWS-10   | 1-1/2 " ×80  | M52  |
| HWST-15085  |                        | 1-1/2 " ×85  | M56  |
| HWST-15090  |                        | 1-1/2 " ×90  | M60  |
| HWST-15095  |                        | 1-1/2 " ×95  | M64  |
| HWST-150100 |                        | 1-1/2 " ×100 | M68  |
| HWST-150105 |                        | 1-1/2 " ×105 | M72  |
| HWST-150110 |                        | 1-1/2 " ×110 | M76  |
| HWST-150115 |                        | 1-1/2 " ×115 | M80  |
| HWST-150120 |                        | 1-1/2 " ×120 | M85  |
| HWST-150130 |                        | 1-1/2 " ×130 | M90  |
| HWST-150135 | HWS-20, HWS-25, HWS-35 | 1-1/2 " ×135 | M95  |
| HWST-150145 |                        | 1-1/2 " ×145 | M100 |
| HWST-150150 |                        | 1-1/2 " ×150 | M105 |
| HWST-25055  |                        | 2-1/2 " ×55  | M36  |
| HWST-25060  |                        | 2-1/2 " ×60  | M39  |
| HWST-25065  |                        | 2-1/2 " ×65  | M42  |
| HWST-25070  |                        | 2-1/2 " ×70  | M45  |
| HWST-25075  |                        | 2-1/2 " ×75  | M48  |
| HWST-25080  |                        | 2-1/2 " ×80  | M52  |
| HWST-25085  |                        | 2-1/2 " ×85  | M56  |
| HWST-25090  |                        | 2-1/2 " ×90  | M60  |
| HWST-25095  |                        | 2-1/2 " ×95  | M64  |
| HWST-250100 |                        | 2-1/2 " ×100 | M68  |
| HWST-250105 |                        | 2-1/2 " ×105 | M72  |
| HWST-250110 |                        | 2-1/2 " ×110 | M76  |
| HWST-250115 |                        | 2-1/2 " ×115 | M80  |
| HWST-250120 |                        | 2-1/2 " ×120 | M85  |
| HWST-250130 |                        | 2-1/2 " ×130 | M90  |
| HWST-250135 |                        | 2-1/2 " ×135 | M95  |
| HWST-250140 |                        | 2-1/2 " ×140 | /    |
| HWST-250145 |                        | 2-1/2 " ×145 | M100 |
| HWST-250150 |                        | 2-1/2 " ×150 | M105 |
| HWST-250155 |                        | 2-1/2 " ×155 | M110 |
| HWST-250165 |                        | 2-1/2 " ×165 | M115 |
| HWST-250175 |                        | 2-1/2 " ×175 | M120 |

360° x 180° 旋转接头，增加空间操控性

使用 3D CAD 设计，精度控制在  $\pm 3\%$  以内。

使用高强度航空材料制造，本体强度高，使用寿命长

有大量公制和英制的变径套可选



| 型号      | 扭矩范围<br>(N·m) | 螺母范围<br>(mm) | 驱动头重量<br>(KG) | 工作头重量<br>(KG) | L (mm) | H1(mm) | H2(mm) | W1(mm) | W2(mm) |
|---------|---------------|--------------|---------------|---------------|--------|--------|--------|--------|--------|
| HWH- 2  | 232 - 2328    | 19 - 55      | 1             | 1.5           | 196    | 126    | 102    | 32     | 51     |
|         | 241 - 2414    | 60           | 1             | 1.5           | 196    | 129    | 105    | 32     | 51     |
| HWH- 4  | 585 - 5858    | 34 - 65      | 1.7           | 3.4           | 258    | 163    | 136    | 42     | 66     |
|         | 647 - 6474    | 70 - 80      | 1.7           | 3.4           | 263    | 173    | 146    | 42     | 66     |
| HWH- 8  | 1094 - 10941  | 41 - 95      | 3             | 6.3           | 305    | 192    | 168    | 53     | 83     |
|         | 1177 - 11774  | 100 - 105    | 3.1           | 6.3           | 311    | 201    | 177    | 53     | 83     |
| HWH- 14 | 1852 - 18521  | 50 - 117     | 4.6           | 11.4          | 360    | 225    | 224    | 64     | 99     |
| HWH- 18 | 2695 - 26958  | 65 - 130     | 6.5           | 14.3          | 388    | 264    | 231    | 71     | 109    |
| HWH- 30 | 4231 - 42311  | 110 - 115    | 10.4          | 20.5          | 430    | 303    | 272    | 85     | 131    |
|         | 4459 - 44593  | 160 - 175    | 10.4          | 20.5          | 441    | 315    | 285    | 85     | 131    |
| HWH- 50 | 7081 - 70813  | 105 - 225    | 35.5          | 42            | 493    | 328    | 295    | 102    | 160    |

| 型号        | 六角内插件   |         |         | 锁紧环  |
|-----------|---------|---------|---------|------|
|           | 型号      | 型号      | 型号      | 型号   |
| HWHL-2-65 | C26555  | C26550  | C26546  | H-65 |
| HWHL-2-60 | C26050  | C26046  | C26041  | H-60 |
| HWHL-2-55 | C25546  | C25541  | C25536  | H-55 |
| HWHL-2-50 | C25041  | C250/36 | C250/32 | H-50 |
| HWHL-2-46 | C246/36 | C246/32 | C246/30 | H-46 |
| HWHL-2-41 | C241/32 | C241/30 | C241/27 | H-41 |
| HWHL-2-36 | C236/30 | C236/27 | -       | H-36 |
| HWHL-2-32 | C232/27 | -       | -       | H-32 |
| HWHL-4-80 | C48070  | C48065  | C48060  | H-80 |

| 型号          | 六角内插件      |            |            | 锁紧环   |
|-------------|------------|------------|------------|-------|
|             | 型号         | 型号         | 型号         | 型号    |
| HWHL-4-75   | C47565     | C47560     | C47555     | H-75  |
| HWHL-4-70   | C47060     | C47055     | C47050     | H-70  |
| HWHL-4-65   | C465/55    | C465/50    | C465/46    | H-65  |
| HWHL-4-60   | C460/50    | C460/46    | C460/41    | H-60  |
| HWHL-4-55   | C455/46    | C455/41    | C455/36    | H-55  |
| HWHL-4-50   | C450/41    | C450/36    | C450/32    | H-50  |
| HWHL-4-46   | C446/36    | C446/32    | C446/30    | H-46  |
| HWHL-4-41   | C441/32    | C441/30    | C441/27    | H-41  |
| HWHL-4-36   | C436/30    | C436/27    | -          | H-36  |
| HWHL-4-32   | C432/27    | -          | -          | H-32  |
| HWHL-8-95   | C895/85    | C895/80    | C895/75    | H-95  |
| HWHL-8-90   | C890/80    | C890/75    | C890/70    | H-90  |
| HWHL-8-85   | C885/75    | C885/70    | C885/65    | H-85  |
| HWHL-8-80   | C880/70    | C880/65    | C880/60    | H-80  |
| HWHL-8-75   | C875/65    | C875/60    | C875/55    | H-75  |
| HWHL-8-70   | C870/60    | C870/55    | C870/50    | H-70  |
| HWHL-8-65   | C865/55    | C865/50    | C865/46    | H-65  |
| HWHL-8-60   | C860/50    | C860/46    | -          | H-60  |
| HWHL-8-55   | C855/46    | C855/41    | -          | H-55  |
| HWHL-14115  | C14115/105 | C14115/100 | C14115/95  | H-115 |
| HWHL-14110  | C14110/100 | C14110/95  | C14110/90  | H-110 |
| HWHL-14105  | C14105/95  | C14105/90  | C14105/85  | H-105 |
| HWHL-14100  | C14100/90  | C14100/85  | C14100/80  | H-100 |
| HWHL-1495   | C1495/85   | C1495/80   | C1495/75   | H-95  |
| HWHL-1490   | C1490/80   | C1490/75   | C1490/70   | H-90  |
| HWHL-1485   | C1485/75   | C1485/70   | C1485/65   | H-85  |
| HWHL-1480   | C1480/70   | C1480/65   | -          | H-80  |
| HWHL-1475   | C1475/65   | -          | -          | H-75  |
| HWHL-30-155 | C30155/145 | C30155/130 | C30155/120 | H-155 |
| HWHL-30-145 | C30145/130 | C30145/120 | C30145/115 | H-145 |
| HWHL-30-130 | C30130/120 | C30130/115 | C30130/110 | H-130 |
| HWHL-30-120 | C30120/110 | C30120/105 | C30120/100 | H-120 |
| HWHL-30-115 | C30115/105 | C30115/100 | C30115/95  | H-115 |
| HWHL-30-110 | C30110/100 | C30110/95  | C30110/90  | H-110 |
| HWHL-30-105 | C30105/95  | C30105/90  | C30105/85  | H-105 |
| HWHL-30-100 | C30100/90  | C30100/85  | C30100/80  | H-100 |
| HWHL-30-95  | C3095/85   | C3095/80   | -          | H-95  |
| HWHL-30-90  | C3090/80   | -          | -          | H-90  |