



## A handy tool for tightening and loosening nuts and bolts.



The super tool ratchet wrench was invented and designed in 1962. They were first mass-produced by drop forging of special alloyed steel. Since then it has been manufactured by several companies in Japan, and has become characteristic Japanese tool. The ratchet wrench is different from the socket wrench in that the socket has already been fixed to the handle as one body. The ratchet wrench can be turned clockwise or counter-clockwise. The end of the handle is designed to be spear-like.

The ratchet wrenches are used for tightening and loosening nuts and bolts and the spear is used to align the position of the bolts holes at work sites such as those on the steel structures, towers and bridge beams. As there is no danger of the socket falling off, the ratchet wrench works well especially in the civil engineering and construction industries where workers are assembling scaffold at heights.

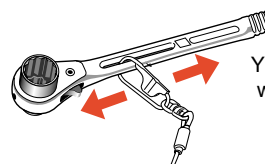
## DOBLE-SIZE RATCHET WRENCH (Reversible claw type) PAT.

Light-accumulating plate with slide hole

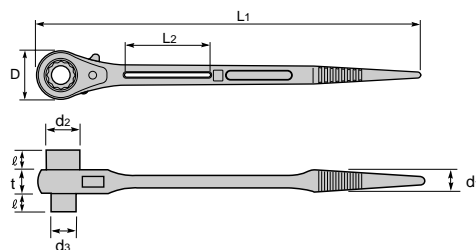


### RNR 1012 ~ 2427

With special lightning plate (seeable in the dark place)  
Side hole system with safety rope (in working you can get in and out the holder smoothly)  
New design with pitches on the grip for non-slip.  
13 size of double socket type are available to cover a variety of use.



You can get in and out the holder while putting on safety rope.



(Unit: mm)

| Item No. | Size    | L1  | L2 | D  | d1 | d2 | d3 | t  | ℓ    | Weight (g) | Remarks |
|----------|---------|-----|----|----|----|----|----|----|------|------------|---------|
| RNR 1012 | 10 × 12 | 225 | 50 | 28 | 11 | 18 | 15 | 14 | 11   | 150        |         |
| RNR 1013 | 10 × 13 | 225 | 50 | 28 | 11 | 18 | 15 | 14 | 11   | 150        |         |
| RNR 1113 | 11 × 13 | 225 | 50 | 28 | 11 | 18 | 16 | 14 | 11   | 150        |         |
| RNR 1214 | 12 × 14 | 225 | 50 | 28 | 11 | 19 | 18 | 14 | 11   | 150        |         |
| RNR 1317 | 13 × 17 | 265 | 60 | 34 | 12 | 23 | 18 | 16 | 14.5 | 220        |         |
| RNR 1417 | 14 × 17 | 265 | 60 | 34 | 12 | 23 | 19 | 16 | 14.5 | 220        |         |
| RNR 1719 | 17 × 19 | 310 | 70 | 41 | 15 | 26 | 24 | 18 | 16   | 390        |         |
| RNR 1721 | 17 × 21 | 310 | 70 | 41 | 15 | 29 | 24 | 18 | 16   | 390        |         |
| RNR 1921 | 19 × 21 | 310 | 70 | 41 | 15 | 29 | 26 | 18 | 16   | 390        |         |
| RNR 1924 | 19 × 24 | 355 | 80 | 49 | 19 | 33 | 26 | 20 | 18   | 670        |         |
| RNR 2126 | 21 × 26 | 355 | 80 | 49 | 19 | 36 | 29 | 20 | 18   | 670        |         |
| RNR 2224 | 22 × 24 | 355 | 80 | 49 | 19 | 33 | 30 | 20 | 18   | 670        |         |
| RNR 2427 | 24 × 27 | 355 | 80 | 51 | 19 | 37 | 33 | 20 | 18   | 680        |         |