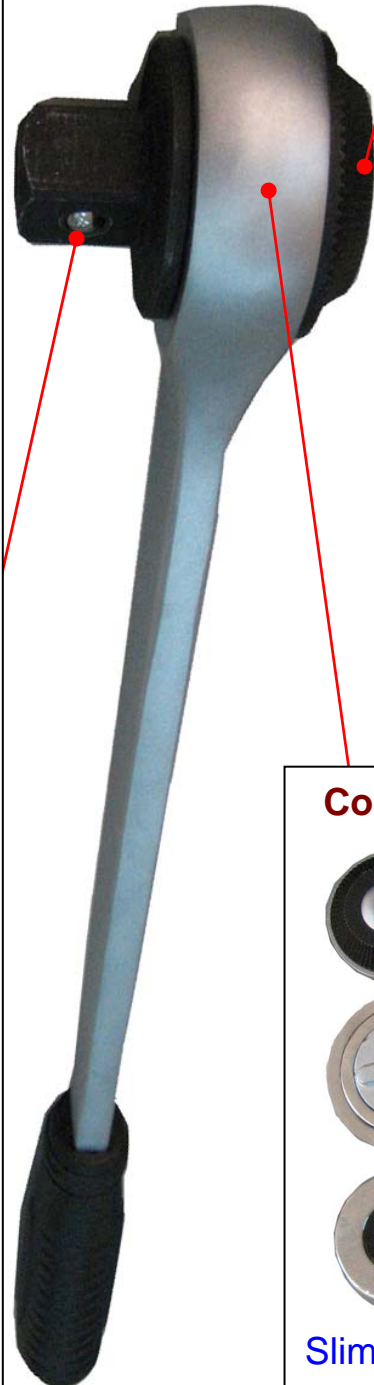


## New Slim Type 3/4"DR. Ratchet

### Lock / Unlock Function



1. Ratchet has push button quick release function.
2. By pushing quick release button, socket falls off and ratchet is ready now to take another socket
3. The lock, quick release structure provides the advantages of an easy and quick connection between ratchets, sockets and accessories absolutely security to prevent the heavy product loss that may hurt the user or damage the maintenance items.

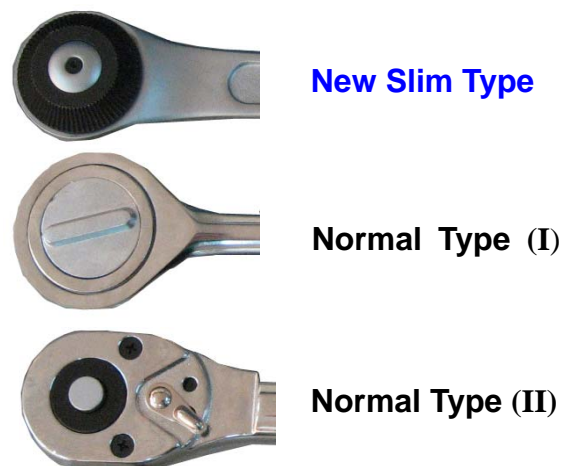


### Gear Structure



72 Teeth gear structure designed for work in limited space. Only 5 degree working arch is needed.

### Comparison of Ratchet Head



Slim head especial design makes the ratchet suitable for working in tight and hard-to-accesses areas.

## New Slim Type 3/4"DR. Ratchet

Page 2 of 3

### Strong and Impact Ratchet

#### a). Slim type ratchet



Flat Type ratchet body

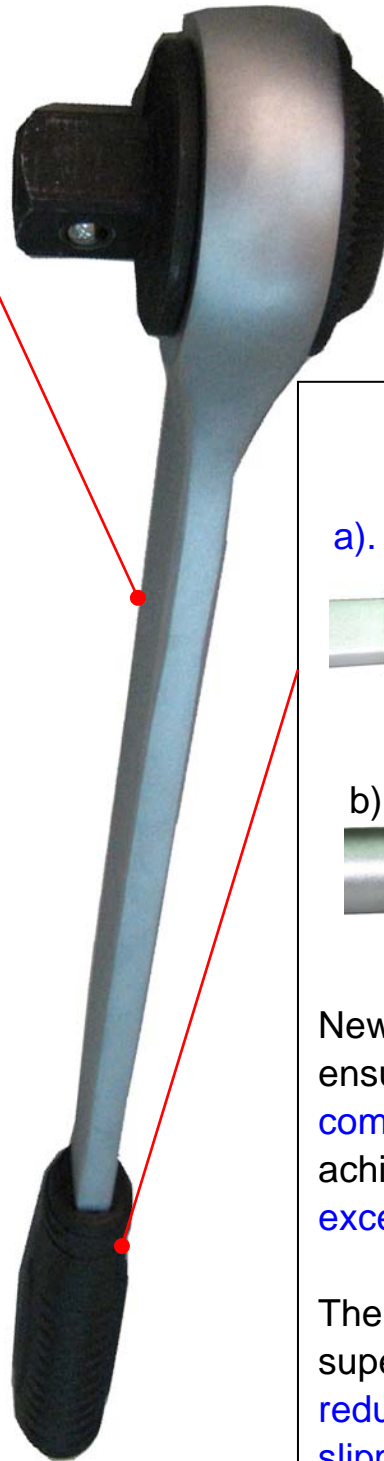
#### b). Normal type ratchet



Round Type ratchet body

Reinforced Beam type Ratchet body design delivers high torque and reduces the weight.

The Beam type body structure reduces the muscle tension and the risk of accidents and injuries. It increases the job satisfaction, productivity and efficiently as well.



### Super Grip Handle

#### a). New Slim Type



Rubber Handle

#### b). Normal



Metal Handle


New ergonomic design handle ensures that the handle lies comfortably in the hand and achieves optimum torque and excellent power transmission.

The new handle provides superior grip and greatly reduces the potential for slippage while under heavy use.

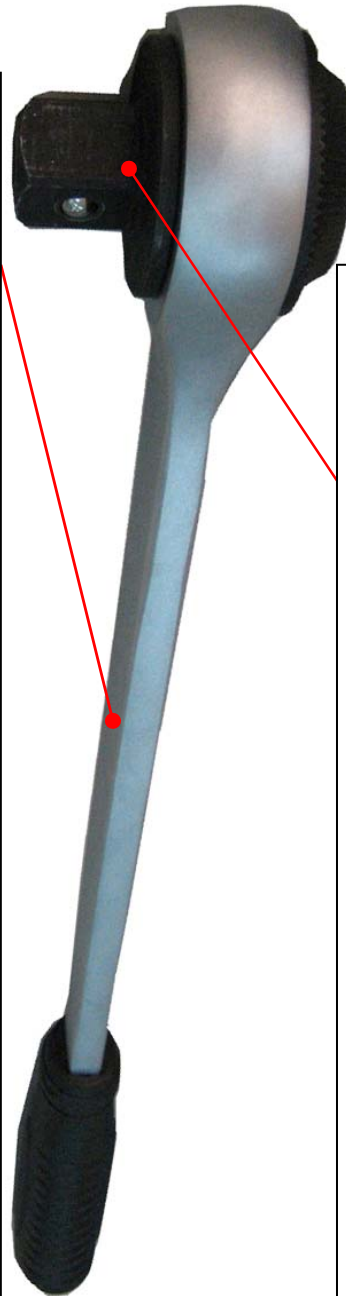
## New Slim Type 3/4"DR. Ratchet



### Light Weight

 <b>Slim Type</b>	<b>1710g</b>
 <b>Normal Type</b>	<b>2270g</b>
 <b>Normal Type</b>	<b>2575g</b>

The Weight of Slim Type Ratchet is much less ( 30% - 50% ) than traditional ratchet providing great efficiency and ease of use especially when connecting with big sizes of sockets or accessories.



### Torque Test

DIN	Normal Type	New Slim Type
1412 (Nm)	1500 (Nm)	2000 (Nm)
144 (Kgm)	153 (Kgm)	204 (Kgm)
<u>Exceed DIN</u>	6%	42%

- 1). Ratchet Gear Head is made from High Chrome Molybdenum Steel which is the best material for gear product providing extremely high torque and extension of life-time in use.
- 2). Every Machining Process in production is accompanied by comprehensive control guaranteeing the precision and consistency of ratchet and delivers high torque 40% exceed DIN standard.