

**GEARTECH**<sup>®</sup>  
**WRENCH**  
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**MECHANIC**  
**TOOL BOOK**  
**2026**



**GEARTECH**<sup>®</sup>

Geartech's deeper teeth enable stronger torque.

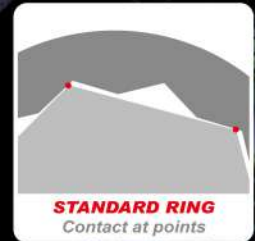


**Other Brand**



**FLAT DRIVE RING**  
Maximum contact on flats

Dual flat drive technology on box end to maximize contact on fasteners.



**STANDARD RING**  
Contact at points

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**WARNING:**  
Always wear ANSI approved safety goggles when working with wrenches and equipment. Do not use the wrenches as striking tools. Never work on live electrical circuits.

**ENVIRONMENT-FRIENDLY  
PLATING SURFACE**

**TRIVALENT CHROME RoHS  
CONFORMITY FINISH**



2013 We set up the new automotive equipment for trivalent chrome plating. This is the start we try to manufacture environment-friendly products which reach RoHS.

2014 We launched our mass production of trivalent chrome plating. Until now, most of INFAR's products are plated with RoHS conformity finish.

We have received plenty of positive feedback from our customers. Now, INFAR sincerely invites you to join this "Green Family"!



The luster of trivalent chrome plated products is naturally darker than that of hexavalent chrome products.

**OPTIONAL FEATURE OF GEARTECH® RATCHET WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space; **144tip** provides Geartech® Wrench with more movement.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.

**OPTIONAL RATCHET RING**



Star Box End    
 Diphyleia Box End    
 Spline Box End    
 12PT Box End

**OPTIONAL RATCHET HEAD**



72 Teeth / 144tip Reversible Ratchet Head    
 72 Teeth / 144tip Flexible Ratchet Head    
 72 Teeth / 144tip One Way Ratchet Head

**OPTIONAL TYPING**



Convex Font Typing    
 Concave Font Typing    
 Hollow Font Typing    
 Lined Font Typing



Black Laser Marking    
 Laser Marking

**OPTIONAL OPEN END**



Metric & Inch Open End    
 Speedy Open End    
 Non-slip Open End    
 Regular Open End



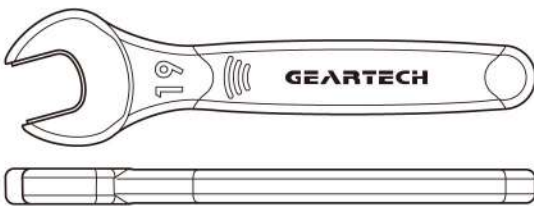
**OPTIONAL SURFACE**  
 Mirror Finish  
 Matt Finish  
 Micro Satin Finish

# NEW

# GEARTECH®

## NEW INNOVATION WRENCH VDE INSULATED OPEN END WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrench from corrosion.
- **Anti-slip grip** design ensures comfort and control even when used for long periods.
- Essential tool for working on electrical vehicles, conductor connections, and fastening of conductor lines.
- Manufactured according to EN60900/IEC60900:2018.
- Tested to 10kV, provides protection from electric shocks up to 1000V AC and 1500V DC.



### VDE INSULATED OPEN END WRENCH



VGC

Material | Chrome Vanadium Steel  
Anti-slip PP/TPV Grip  
Feature | Meets or Exceeds EN60900/IEC60900:2018  
Insulated Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 25      | 100    | 8         | 25      | 100    |
| 3/8         | 39      | 110    | 9         | 30      | 105    |
| 7/16        | 49      | 120    | 10        | 39      | 110    |
| 1/2         | 66      | 140    | 11        | 49      | 120    |
| 9/16        | 80      | 150    | 12        | 58      | 130    |
| 5/8         | 104     | 165    | 13        | 66      | 140    |
| 11/16       | 119     | 170    | 14        | 80      | 150    |
| 3/4         | 155     | 180    | 15        | 94      | 160    |
| 13/16       | 236     | 205    | 16        | 104     | 165    |
| 7/8         | 232     | 205    | 17        | 119     | 170    |
| 15/16       | 272     | 230    | 18        | 138     | 175    |
|             |         |        | 19        | 155     | 180    |
|             |         |        | 21        | 236     | 205    |
|             |         |        | 22        | 232     | 205    |
|             |         |        | 24        | 272     | 230    |



15pc VDE Insulated Open End Wrench Set

Blow Mould Case + Color Box

15pc MM 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24mm

# NEW

# GEARTECH®

## NEW INNOVATION WRENCH VDE INSULATED BOX END WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrench from corrosion.
- **75° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- **Anti-slip grip** design ensures comfort and control even when used for long periods.
- Essential tool for working on electrical vehicles, conductor connections, and fastening of conductor lines.
- Manufactured according to EN60900/IEC60900:2018.
- Tested to 10kV, provides protection from electric shocks up to 1000V AC and 1500V DC.



75° offset box end for knuckle clearance.



### VDE INSULATED BOX END WRENCH



Material | Chrome Vanadium Steel  
Anti-slip PP/TPV Grip  
Feature | Meets or Exceeds EN60900/IEC60900:2018  
Insulated 75° Offset Box End

VGBXC

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 51      | 145    | 8         | 51      | 145    |
| 3/8         | 74      | 166    | 9         | 63      | 155    |
| 7/16        | 87      | 175    | 10        | 74      | 166    |
| 1/2         | 120     | 187    | 11        | 87      | 175    |
| 9/16        | 137     | 197    | 12        | 105     | 181    |
| 5/8         | 187     | 223    | 13        | 120     | 187    |
| 11/16       | 223     | 240    | 14        | 137     | 197    |
| 3/4         | 277     | 255    | 15        | 157     | 207    |
| 13/16       | 339     | 265    | 16        | 187     | 223    |
| 7/8         | 333     | 265    | 17        | 223     | 240    |
| 15/16       | 427     | 285    | 18        | 247     | 246    |
|             |         |        | 19        | 277     | 255    |
|             |         |        | 21        | 339     | 265    |
|             |         |        | 22        | 333     | 265    |
|             |         |        | 24        | 427     | 285    |



15pc VDE Insulated Box End Wrench Set

Blow Mould Case + Color Box

15pc MM 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24mm

# NEW

# GEARTECH®

## NEW INNOVATION RATCHET ULTRA-THIN GEARTECH® RATCHET WRENCH

INNOVATION

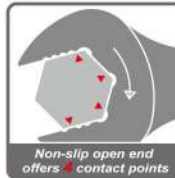


Averaged 25% thinner compared to regular ratchet box heads.



Ratchet head allows wrench to travel without removing from fastener.

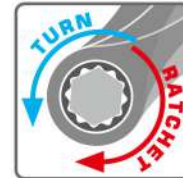
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- Robust low profile box head is ideal for very tight work space.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Non-slip open end offers 4 contact points



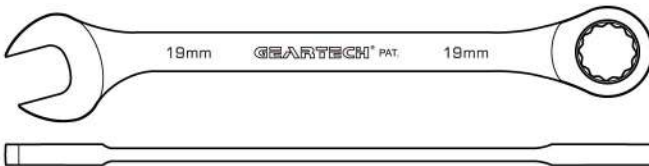
Conventional open end offers 2 contact points



TURN RATCHET  
Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



GT9VL Ratchet Head



GT4VL Ratchet Head

### ULTRA-THIN GEARTECH® COMBINATION WRENCH



GT9V

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
12 Point Ratchet Ring  
Regular / Non-slip Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 5/16      | 28      | 136    | • 8       | 28      | 136    |
| 3/8         | 45      | 160    | • 9       | 32      | 143    |
| 7/16        | 52      | 168    | 10        | 45      | 160    |
| 1/2         | 76      | 180    | 11        | 51      | 168    |
| 9/16        | 93      | 193    | 12        | 62      | 174    |
| 5/8         | 126     | 216    | 13        | 79      | 180    |
| 11/16       | 146     | 233    | 14        | 94      | 193    |
| 3/4         | 184     | 250    | 15        | 106     | 200    |
|             |         |        | 16        | 126     | 216    |
|             |         |        | 17        | 148     | 233    |
|             |         |        | 18        | 166     | 239    |
|             |         |        | 19        | 184     | 250    |



7pc Ultra-thin Geartech® Combination Wrench Set

PP Holder + Label

7pc SAE 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16"

7pc MM 8, 10, 12, 13, 14, 17, 19mm

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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TRADITIONAL

MECHANIC

**PR-TYPR RATCHET OPEN END WRENCH**

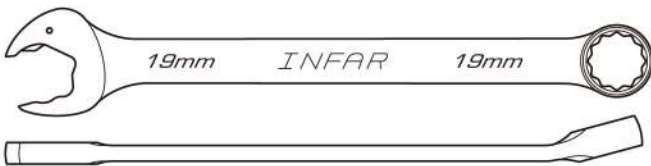
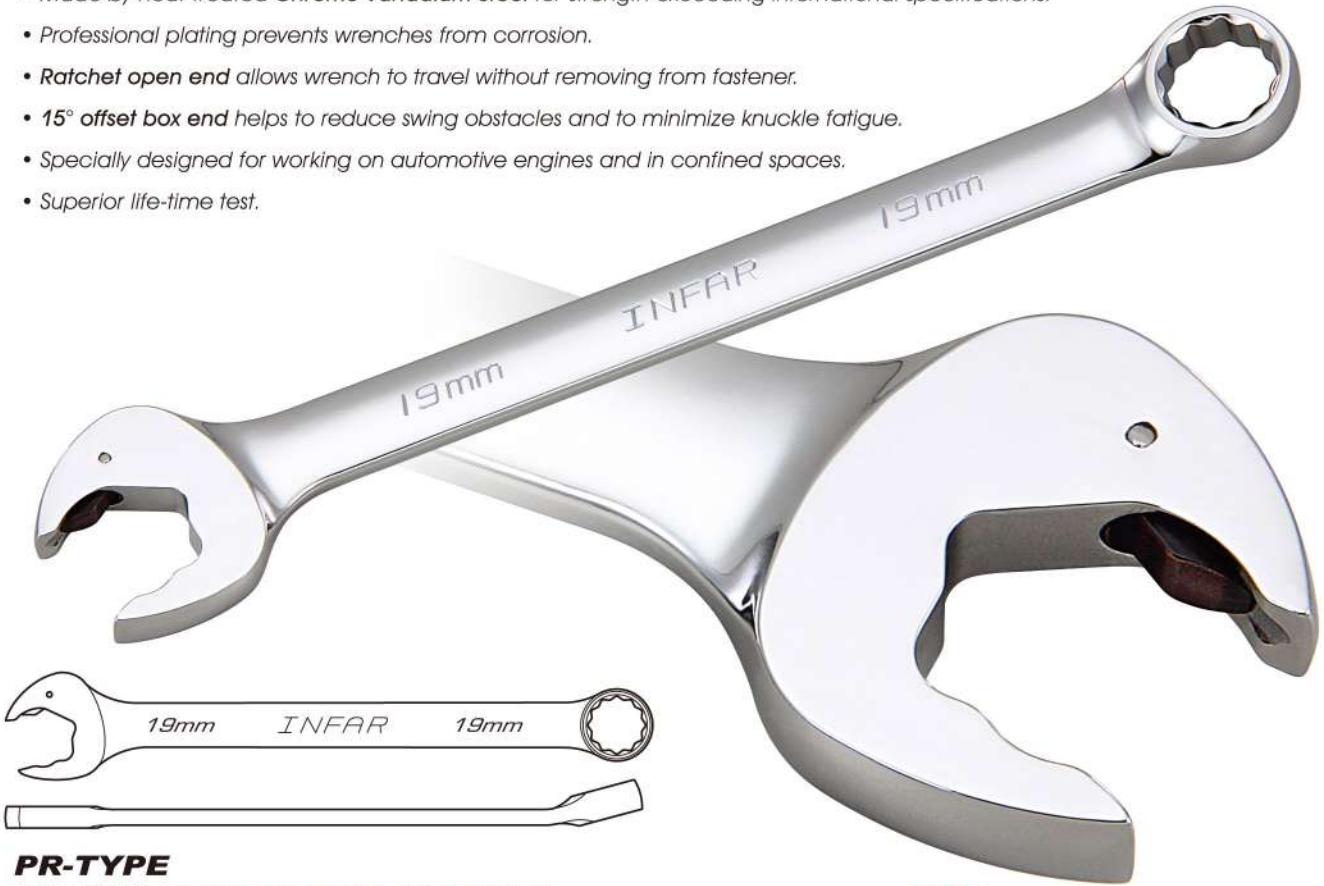


Ratchet open end allows wrench to travel without removing from fastener.



15° offset box end helps to reduce swing obstacles and to minimize knuckle fatigue.

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **Ratchet open end** allows wrench to travel without removing from fastener.
- **15° offset box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



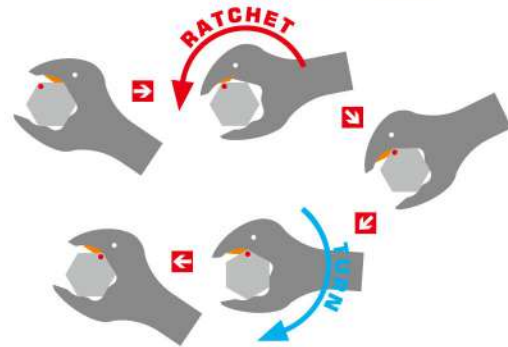
**PR-TYPE RATCHET OPEN END WRENCH**



PRQ3

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 15° Offset Box End  
 12 Point / 6 Point / Spline Box  
 Ratchet Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 29      | 136    | 8         | 29      | 136    |
| 3/8         | 50      | 161    | 10        | 50      | 161    |
| 7/16        | 58      | 168    | 11        | 58      | 168    |
| 1/2         | 79      | 180    | 12        | 70      | 174    |
| 9/16        | 109     | 193    | 13        | 79      | 180    |
| 5/8         | 133     | 207    | 14        | 109     | 193    |
| 11/16       | 166     | 227    | 15        | 130     | 200    |
| 3/4         | 226     | 250    | 16        | 133     | 207    |
|             |         |        | 17        | 166     | 227    |
|             |         |        | 18        | 197     | 239    |
|             |         |        | 19        | 226     | 250    |



Ratchet open end allows wrench to travel without removing from fastener.



15° offset box end for knuckle clearance.

GEARTECH® RATCHET OPEN END WRENCH



Ratchet open end allows wrench to travel without removing from fastener.



Ratchet head allows wrench to travel without removing from fastener.

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **Ratchet open end & ratchet head** allows wrench to travel without removing from fastener.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Ratchet open end allows wrench to travel without removing from fastener.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



GEARTECH® RATCHET OPEN END WRENCH

GT4Q3V



Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Ratchet Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 33      | 136    | 8         | 33      | 136    |
| 3/8         | 55      | 160    | 10        | 55      | 160    |
| 7/16        | 70      | 168    | 11        | 70      | 168    |
| 1/2         | 98      | 180    | 12        | 81      | 174    |
| 9/16        | 121     | 193    | 13        | 98      | 180    |
| 5/8         | 161     | 216    | 14        | 123     | 193    |
| 11/16       | 189     | 233    | 15        | 139     | 200    |
| 3/4         | 235     | 250    | 16        | 162     | 216    |
|             |         |        | 17        | 192     | 233    |
|             |         |        | 18        | 211     | 239    |
|             |         |        | 19        | 235     | 250    |



8pc Geartech® Ratchet Open End Wrench Set

PP Rack + Label

8pc SAE 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

8pc MM 8, 10, 11, 12, 13, 14, 17, 19mm

Note: 5/16", 8mm utilize 60 teeth ratchet mechanism.

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# GERMAN-TYPE FLARE NUT & RATCHET OPEN END WRENCH



Ratchet open end allows wrench to travel without removing from fastener.



Designed to work on a variety of fittings, such as fuel, brake, and air conditioning lines.

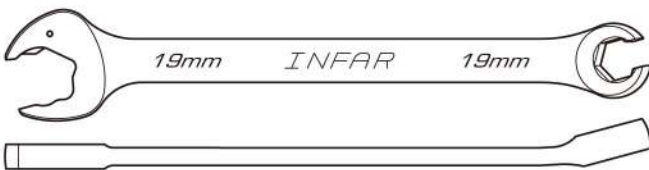
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **Ratchet open end** allows wrench to travel without removing from fastener.
- **13° offset flare nut drive** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Ratchet open end allows wrench to travel without removing from fastener.



13° offset flare nut drive for knuckle clearance.



## GERMAN-TYPE FLARE NUT & RATCHET OPEN END WRENCH



GFV6Q3

**GERMANY EXCLUSIVE**

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 13° Offset Flare Nut Drive  
 Ratchet Open End

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 10        | 57      | 161    |
| 11        | 69      | 168    |
| 12        | 93      | 174    |
| 13        | 107     | 180    |
| 14        | 117     | 193    |
| 15        | 134     | 200    |
| 16        | 147     | 207    |
| 17        | 188     | 227    |
| 18        | 217     | 239    |
| 19        | 239     | 250    |



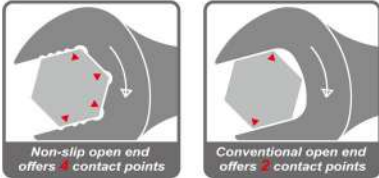
### 10pc Metric German-type Flare Nut & Ratchet Open End Wrench Set

PP Rack (PAT.P) + Label

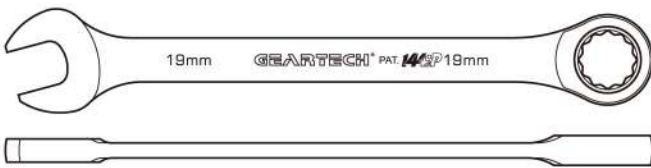
10pc MM 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**NEW INNOVATION RATCHET  
144TIP GEARTECH® COMBINATION WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **144tip** provides Geartech® Wrench with more movement.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.

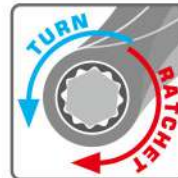


**144TIP GEARTECH®  
COMBINATION WRENCH**



GT7V

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
12 Point Ratchet Ring  
Regular / Non-slip Open End



Ratchet head allows wrench to travel without removing from fastener.

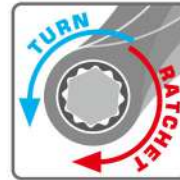
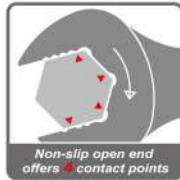


144tip provides wrench with more movement.

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| 1/4         | 36      | 136    | 6         | 36      | 136    | 22        | 340     | 285    |
| 5/16        | 34      | 136    | 7         | 36      | 136    | 23        | 330     | 285    |
| 3/8         | 54      | 160    | 8         | 35      | 136    | 24        | 470     | 325    |
| 7/16        | 70      | 168    | 9         | 40      | 143    | 25        | 460     | 325    |
| 1/2         | 91      | 180    | 10        | 55      | 161    | 26        | 460     | 325    |
| 9/16        | 120     | 193    | 11        | 72      | 168    |           |         |        |
| 5/8         | 157     | 216    | 12        | 79      | 174    |           |         |        |
| 11/16       | 183     | 233    | 13        | 93      | 180    |           |         |        |
| 3/4         | 220     | 250    | 14        | 120     | 193    |           |         |        |
| 13/16       | 350     | 286    | 15        | 134     | 200    |           |         |        |
| 7/8         | 345     | 286    | 16        | 153     | 218    |           |         |        |
| 15/16       | 485     | 325    | 17        | 188     | 233    |           |         |        |
| 1"          | 470     | 325    | 18        | 199     | 239    |           |         |        |
|             |         |        | 19        | 238     | 250    |           |         |        |
|             |         |        | 20        | 360     | 285    |           |         |        |
|             |         |        | 21        | 350     | 285    |           |         |        |

**NEW INNOVATION RATCHET  
144TIP GEARTECH® EXTRA LONG COMBINATION WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **144tip** provides Geartech® Wrench with more movement.
- **Extra long panel** helps to reach deeper space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.

Ratchet head allows wrench to travel without removing from fastener.

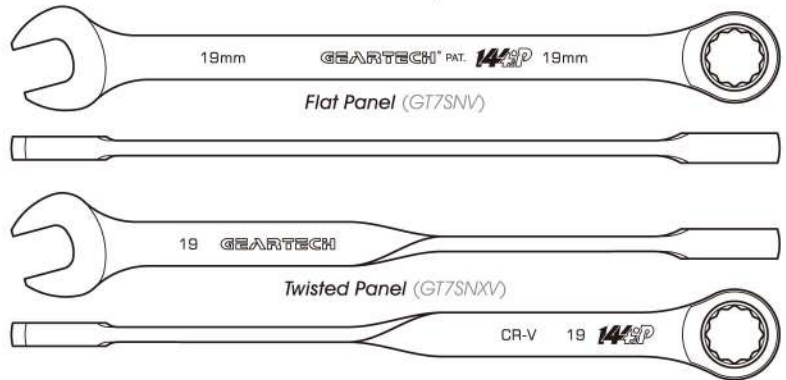
144tip provides wrench with more movement.

**144TIP GEARTECH®  
EXTRA LONG COMBINATION  
WRENCH**



GT7SNV/GT7SNXV

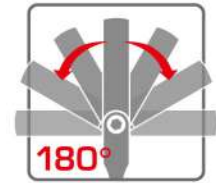
Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
12 Point Ratchet Ring  
Regular / Non-slip Open End  
Flat Panel / Twisted Panel



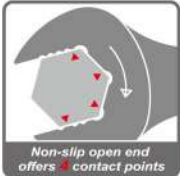
| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| 1/4         | 41      | 150    | 6         | 41      | 150    | 22        | 360     | 330    |
| 5/16        | 39      | 150    | 7         | 41      | 150    | 23        | 350     | 330    |
| 3/8         | 64      | 180    | 8         | 38      | 150    | 24        | 480     | 355    |
| 7/16        | 78      | 195    | 9         | 45      | 165    | 25        | 490     | 355    |
| 1/2         | 112     | 220    | 10        | 65      | 180    | 26        | 490     | 355    |
| 9/16        | 139     | 235    | 11        | 77      | 195    |           |         |        |
| 5/8         | 191     | 260    | 12        | 88      | 207    |           |         |        |
| 11/16       | 223     | 275    | 13        | 110     | 220    |           |         |        |
| 3/4         | 270     | 305    | 14        | 143     | 235    |           |         |        |
| 13/16       | 370     | 330    | 15        | 170     | 250    |           |         |        |
| 7/8         | 360     | 330    | 16        | 189     | 260    |           |         |        |
| 15/16       | 475     | 355    | 17        | 227     | 275    |           |         |        |
| 1"          | 490     | 355    | 18        | 240     | 290    |           |         |        |
|             |         |        | 19        | 275     | 305    |           |         |        |
|             |         |        | 20        | 370     | 330    |           |         |        |
|             |         |        | 21        | 360     | 330    |           |         |        |

**NEW INNOVATION RATCHET  
144TIP FLEX HEAD GEARTECH® COMBINATION WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **144tip** provides Geartech® Wrench with more movement.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Flexible head tilts 180° at any interval with continuous head tension.

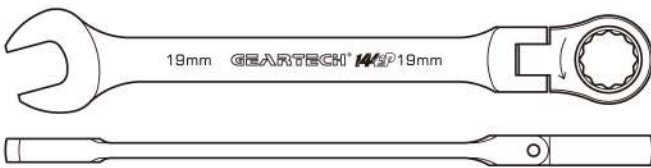


Non-slip open end offers 144 contact points



Conventional open end offers 12 contact points

Specially designed open end gets better nut friction and minimizes slipperiness.



**144TIP FLEX HEAD GEARTECH® COMBINATION WRENCH**



FXGT7V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| 1/4         | 41      | 136    | 6         | 41      | 136    | 22        | 395     | 285    |
| 5/16        | 39      | 136    | 7         | 39      | 136    | 23        | 390     | 285    |
| 3/8         | 62      | 160    | 8         | 39      | 136    | 24        | 550     | 325    |
| 7/16        | 77      | 168    | 9         | 47      | 143    | 25        | 550     | 325    |
| 1/2         | 108     | 180    | 10        | 62      | 161    | 26        | 540     | 325    |
| 9/16        | 130     | 193    | 11        | 78      | 168    |           |         |        |
| 5/8         | 186     | 216    | 12        | 88      | 174    |           |         |        |
| 11/16       | 205     | 233    | 13        | 106     | 180    |           |         |        |
| 3/4         | 265     | 250    | 14        | 126     | 193    |           |         |        |
| 13/16       | 390     | 285    | 15        | 145     | 200    |           |         |        |
| 7/8         | 380     | 285    | 16        | 183     | 218    |           |         |        |
| 15/16       | 550     | 325    | 17        | 208     | 233    |           |         |        |
| 1"          | 540     | 325    | 18        | 233     | 239    |           |         |        |
|             |         |        | 19        | 260     | 250    |           |         |        |
|             |         |        | 20        | 390     | 285    |           |         |        |
|             |         |        | 21        | 395     | 285    |           |         |        |



144tip provides wrench with more movement.



Ratchet head allows wrench to travel without removing from fastener.

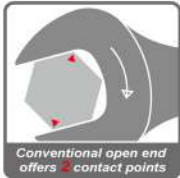
# NEW

# GEARTECH®

## NEW INNOVATION RATCHET

## 144TIP REVERSIBLE GEARTECH® COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **144tip** provides Geartech® Wrench with more movement.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.



### 144TIP REVERSIBLE GEARTECH® COMBINATION WRENCH



RGT7V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 15° Offset Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End



144tip provides wrench with more movement.



Reversible switch enables wrench to move in either direction.



15° offset ratchet head for knuckle clearance.

| Size (Inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| 1/4         | 33      | 124    | 6         | 33      | 135    | 22        | 340     | 285    |
| 5/16        | 36      | 135    | 7         | 32      | 135    | 23        | 335     | 285    |
| 3/8         | 58      | 158    | 8         | 36      | 135    | 24        | 480     | 325    |
| 7/16        | 73      | 167    | 9         | 43      | 142    | 25        | 470     | 325    |
| 1/2         | 100     | 179    | 10        | 56      | 158    | 26        | 465     | 325    |
| 9/16        | 121     | 189    | 11        | 69      | 167    |           |         |        |
| 5/8         | 163     | 215    | 12        | 77      | 173    |           |         |        |
| 11/16       | 193     | 232    | 13        | 101     | 179    |           |         |        |
| 3/4         | 236     | 247    | 14        | 119     | 189    |           |         |        |
| 13/16       | 350     | 285    | 15        | 135     | 199    |           |         |        |
| 7/8         | 335     | 285    | 16        | 164     | 215    |           |         |        |
| 15/16       | 470     | 325    | 17        | 195     | 232    |           |         |        |
| 1"          | 465     | 325    | 18        | 201     | 238    |           |         |        |
|             |         |        | 19        | 241     | 247    |           |         |        |
|             |         |        | 20        | 345     | 285    |           |         |        |
|             |         |        | 21        | 345     | 285    |           |         |        |

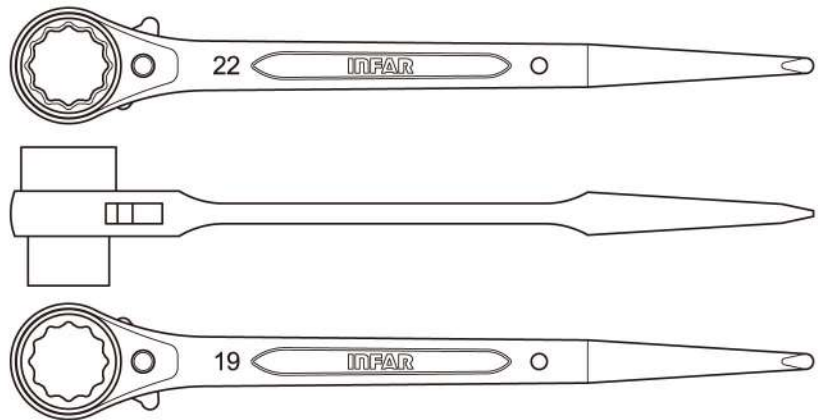
**CONSTRUCTION WRENCH**



Ratchet ring allows construction wrench to travel without removing from fastener.

Tapered handle helps locate & align bolts.

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents construction wrenches from corrosion.
- Special design for construction work.
- Strong torque for heavy work.
- Superior life-time test.



**REGULAR STYLE CONSTRUCTION WRENCH**



CSV

Material | Chrome Vanadium Steel  
 Surface | Black Color Electro-deposition / Matt / Micro Satin / Black Oxide Finish  
 Feature | Long Ratchet Ring Fits 2 Sizes Tapered Handle

| Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| 10x12     | 174     | 225    | 19x21     | 418     | 310    | 24x27     | 728     | 365    | 46x50     | 3116    | 550    |
| 10x13     | 176     | 225    | 19x22     | 432     | 310    | 24x30     | 1212    | 400    |           |         |        |
| 11x13     | 174     | 225    | 21x22     | 714     | 310    | 26x32     | 1214    | 400    |           |         |        |
| 12x14     | 172     | 225    | 18x24     | 753     | 365    | 27x30     | 1212    | 400    |           |         |        |
| 13x16     | 274     | 267    | 19x24     | 744     | 365    | 27x32     | 1212    | 400    |           |         |        |
| 13x17     | 270     | 267    | 21x23     | 716     | 365    | 30x32     | 1178    | 400    |           |         |        |
| 14x17     | 260     | 267    | 21x26     | 722     | 365    | 30x36     | 1534    | 445    |           |         |        |
| 17x19     | 430     | 310    | 22x24     | 742     | 365    | 32x35     | 1510    | 445    |           |         |        |
| 17x21     | 424     | 310    | 22x27     | 750     | 365    | 32x36     | 1482    | 445    |           |         |        |
| 17x22     | 430     | 310    | 23x26     | 744     | 365    | 36x41     | 3470    | 490    |           |         |        |

**CONSTRUCTION WRENCH WITH NAIL PULLER**



Ratchet ring allows construction wrench to travel without removing from fastener.

Tapered handle helps locate & align bolts.

Retractable nail puller helps extract nails that are bent, or driven in the spot.

Hammer section helps move stubborn bolts.

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents construction wrenches from corrosion.
- Special design for construction work.
- Strong torque for heavy work.
- Superior life-time test.



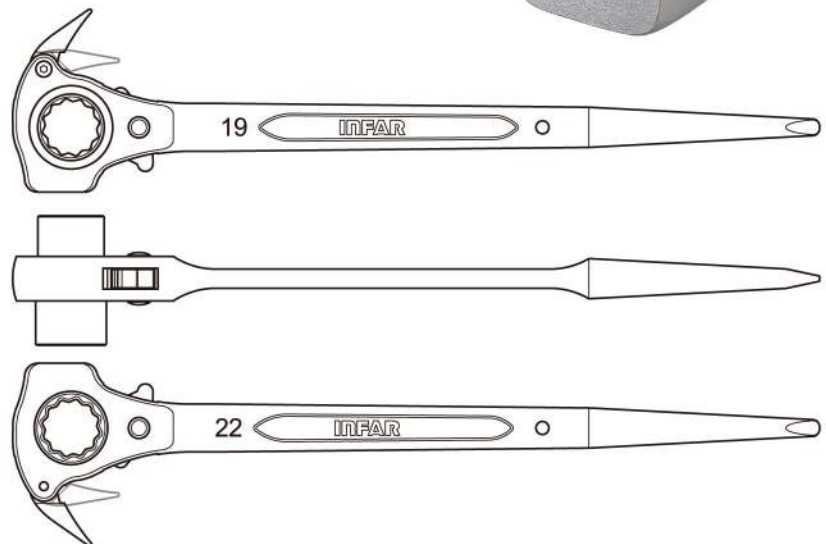
**CONSTRUCTION WRENCH WITH NAIL PULLER**



CS2V

Material | Chrome Vanadium Steel  
 Surface | Black Color Electro-deposition / Matt / Micro Satin / Black Oxide Finish  
 Feature | Long Ratchet Ring Fits 2 Sizes  
 Tapered Handle  
 Retractable Nail Puller  
 Hammer Section

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 17x19     | 456     | 311.6  |
| 17x21     | 456     | 311.6  |
| 19x21     | 457     | 311.6  |
| 19x22     | 457     | 311.6  |



**CONSTRUCTION WRENCH WITH BENT SPEAR**



Ratchet ring allows construction wrench to travel without removing from fastener.

Tapered handle helps locate & align bolts.

- Made by heat-treated **Forged Alloy Steel** for strength exceeding international specifications.
- Professional plating prevents construction wrenches from corrosion.
- Special design for construction work.
- Strong torque for heavy work.
- Superior life-time test.



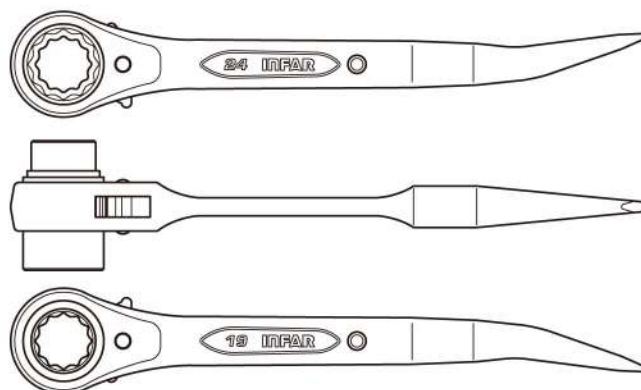
**CONSTRUCTION WRENCH WITH BENT SPEAR**



CS3V

Material | Chrome Vanadium Steel  
 Surface | Black Color Electro-deposition / Matt / Micro Satin / Black Oxide Finish  
 Feature | Long Ratchet Ring Fits 2 Sizes  
 Bent Tapered Handle

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 19x24     | 384     | 245    |
| 21x24     | 375     | 245    |

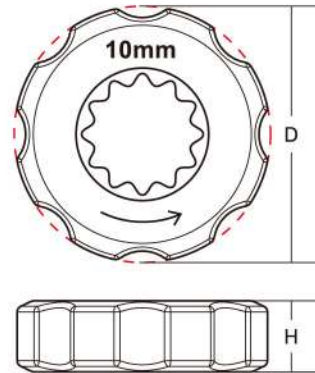


# FINGER RATCHET

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents finger ratchets from corrosion.
- When applied with a Quick Release Adapter or a Bit Adapter to function as a palm driver or a Socket Ratchet driver.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



5° space requirement for each turn.



## FINGER RATCHET



PGB  
**JAPAN EXCLUSIVE**

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | One Way Ratchet Ring

| Item No.  | Size (inch) | Wt. (g) | D (mm) | H (mm) | Item No.  | Size (mm) | Wt. (g) | D (mm) | H (mm) |
|-----------|-------------|---------|--------|--------|-----------|-----------|---------|--------|--------|
| PGBS0012S | 3/8         | 23      | 27.1   | 7.7    | PGBS0010M | 10        | 23      | 27.1   | 7.7    |
| PGB0012S  | 3/8         | 38      | 33.0   | 7.7    | PGB0010M  | 10        | 38      | 33.0   | 7.7    |
| PGB0016S  | 1/2         | 41      | 33.0   | 9.3    | PGB0013M  | 13        | 41      | 33.0   | 9.3    |



### 18pc 1/4" Dr Socket Set

Blow Mould Case + Color Sleeve + POF

#### 18pc SAE 1pc 3/8" Finger Ratchet

1pc 1/4" Dr x3/8" Quick Release Adapter

3pc 1/4" Dr Extension Bars: 50, 100, 150mm

13pc 1/4" Dr SAE Sockets: (6PT)

5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2", 9/16"

#### 18pc MM 1pc 10mm Finger Ratchet

1pc 1/4" Dr x10mm Quick Release Adapter

3pc 1/4" Dr Extension Bars: 50, 100, 150mm

13pc 1/4" Dr Metric Sockets: (6PT)

4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14mm



# QUICK RELEASE ADAPTER

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents adapters from corrosion.
- **Socket quick release system** for easy socket changes.
- Superior life-time test.

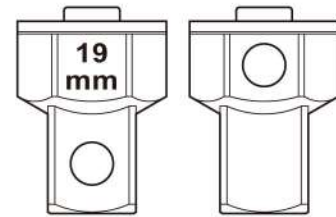


## QUICK RELEASE ADAPTER

Material | Chrome Vanadium Steel  
Surface | Mirror Finish

QRAD3

| Drive (inch) | Size (inch) | Wt. (g) | L (mm) | Drive (inch) | Size (mm) | Wt. (g) | L (mm) |
|--------------|-------------|---------|--------|--------------|-----------|---------|--------|
| 1/4 (6.35mm) | 3/8         | 7.0     | 17.5   | 1/4 (6.35mm) | 10        | 7.0     | 17.5   |
| 3/8 (9.5mm)  | 1/2         | 17.2    | 22.5   | 1/4 (6.35mm) | 13        | 12.8    | 20.5   |
| 1/2 (12.7mm) | 3/4         | 46.6    | 29.5   | 3/8 (9.5mm)  | 13        | 17.2    | 22.5   |
|              |             |         |        | 1/2 (12.7mm) | 19        | 46.6    | 29.5   |



## HOW TO USE QUICK RELEASE ADAPTER

- Quick Release Adapter converts Geartech® Wrench into a compact quick release ratchet handle.



### 5pc Finger Ratchet Set

EVA Tray + ABS Case + PVC Single Blister + Cardboard

**5pc SAE** 2pc SAE Finger Ratchets: 3/8", 1/2"

2pc Quick Release Adapters: 1/4" Dr x3/8", 3/8" Dr x1/2"

1pc 1/4" Hex x3/8" Bit Adapter

**5pc MM** 2pc Metric Finger Ratchets: 10, 13mm

2pc Quick Release Adapters: 1/4" Dr x10mm, 3/8" Dr x13mm

1pc 1/4" Hex x10mm Bit Adapter



### 4pc Adapter Set

EVA Tray + ABS Case + PVC Single Blister + Cardboard

**4pc SAE** 3pc Quick Release Adapters:

1/4" Dr x3/8", 3/8" Dr x1/2", 1/2" Dr x3/4"

1pc 1/4" Hex x3/8" Bit Adapter

**4pc MM** 3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

## ADAPTER

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents adapters from corrosion.

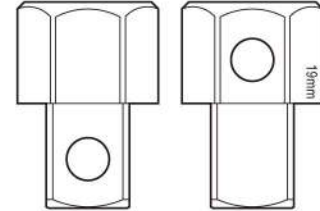


### ADAPTER

Material | Chrome Vanadium Steel  
Surface | Black Oxide Finish

AD

| Drive (inch) | Size (inch) | Wt. (g) | L (mm) | Drive (inch) | Size (mm) | Wt. (g) | L (mm) |
|--------------|-------------|---------|--------|--------------|-----------|---------|--------|
| 1/4 (6.35mm) | 3/8         | 10.5    | 21.5   | 1/4 (6.35mm) | 10        | 10.5    | 21.5   |
| 3/8 (9.5mm)  | 1/2         | 24.5    | 26.5   | 3/8 (9.5mm)  | 13        | 24.5    | 26.5   |
| 1/2 (12.7mm) | 3/4         | 52.0    | 29.5   | 1/2 (12.7mm) | 19        | 52.0    | 29.5   |



### HOW TO USE ADAPTER

- Adapter converts Geartech® Wrench into a compact ratchet handle.



- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents adapters from corrosion.

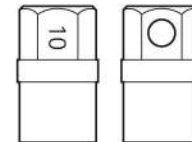


### BIT ADAPTER

Material | Chrome Vanadium Steel (50BV30)  
Surface | Mirror / Black Oxide Finish

BAD

| Hex (inch)   | Size (inch) | Wt. (g) | L (mm) | Hex (inch)   | Size (mm) | Wt. (g) | L (mm) |
|--------------|-------------|---------|--------|--------------|-----------|---------|--------|
| 1/4 (6.35mm) | 3/8         | 10.6    | 19.5   | 1/4 (6.35mm) | 10        | 10.6    | 19.5   |



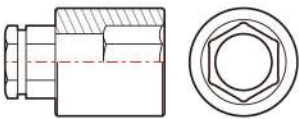
### HOW TO USE BIT ADAPTER

- Bit Adapter converts Geartech® Wrench into a compact ratchet screwdriver.



**GO THROUGH SOCKET**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents sockets from corrosion.
- Go Through Socket works together with Geartech® Wrench, allowing socket to travel the length of threads where traditional socket can't reach.



**GO THROUGH SOCKET**



TSK

Material | Chrome Vanadium Steel  
Surface | Mirror Finish

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 10        | 34      | 38     |
| 11        | 32      | 38     |
| 12        | 37      | 38     |
| 13        | 40      | 38     |
| 14        | 39      | 38     |
| 15        | 52      | 38     |
| 16        | 53      | 38     |
| 17        | 63      | 38     |
| 18        | 69      | 38     |
| 19        | 66      | 38     |



**23pc Metric Go Through Socket Set**

PS Tray + Metal Case + Color Sleeve + POF

**23pc MM** 10pc Metric Geartech® Combination Wrenches:

10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

10pc Metric Go Through Sockets:

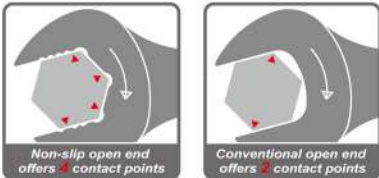
10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

# GEARTECH® COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.



## GEARTECH® COMBINATION WRENCH



GT4V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.

| Size (inch) | Wt. (g) | L (mm) | Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| • 1/4       | 36      | 136    | 1-5/16      | 866     | 425    | • 6       | 36      | 136    | 22        | 340     | 285    |
| • 5/16      | 34      | 136    | 1-3/8       | 1442    | 482    | • 7       | 36      | 136    | 23        | 330     | 285    |
| 3/8         | 54      | 160    | 1-7/16      | 1450    | 482    | • 8       | 35      | 136    | 24        | 470     | 325    |
| 7/16        | 70      | 168    | 1-1/2       | 1466    | 482    | • 9       | 40      | 143    | 25        | 460     | 325    |
| 1/2         | 91      | 180    | 1-5/8       | 2008    | 550    | 10        | 55      | 160    | 26        | 460     | 325    |
| 9/16        | 120     | 193    | 1-13/16     | -       | 640    | 11        | 72      | 168    | 27        | 580     | 359    |
| 5/8         | 157     | 216    | 1-7/8       | 3132    | 640    | 12        | 79      | 174    | 28        | -       | 359    |
| 11/16       | 183     | 233    | 2           | -       | 640    | 13        | 93      | 180    | 30        | 940     | 425    |
| 3/4         | 220     | 250    |             |         |        | 14        | 120     | 193    | 32        | 900     | 425    |
| 13/16       | 350     | 286    |             |         |        | 15        | 134     | 200    | 34        | 1470    | 482    |
| 7/8         | 345     | 286    |             |         |        | 16        | 153     | 216    | 36        | 1460    | 482    |
| 15/16       | 485     | 325    |             |         |        | 17        | 188     | 233    | 38        | 1536    | 482    |
| 1"          | 470     | 325    |             |         |        | 18        | 199     | 239    | 41        | 1985    | 550    |
| 1-1/16      | 610     | 359    |             |         |        | 19        | 238     | 250    | 46        | -       | 640    |
| 1-1/8       | 985     | 425    |             |         |        | 20        | 360     | 285    | 50        | 3085    | 640    |
| 1-1/4       | 950     | 425    |             |         |        | 21        | 350     | 285    |           |         |        |

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

# GEARTECH® SPLINE BOX END WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Spline ratchet ring** works on all fastener types.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



5° space requirement for each turn.



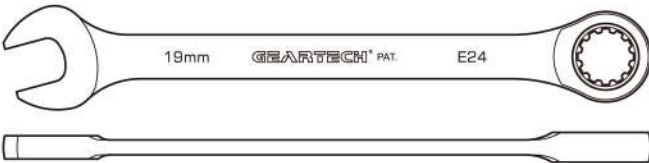
Ratchet head allows wrench to travel without removing from fastener.



Non-slip open end offers 2 contact points. Specially designed open end gets better nut friction and minimizes slipperiness.



Conventional open end offers 2 contact points.



## GEARTECH® SPLINE BOX END WRENCH



GT4SPV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 Spline Ratchet Ring  
 Regular / Non-slip Open End

| Size (inch/star) | Wt. (g) | L (mm) | Size (mm/star) | Wt. (g) | L (mm) |
|------------------|---------|--------|----------------|---------|--------|
| 5/16 E10         | 35      | 136    | 8 E10          | 35      | 136    |
| 3/8 E12          | 54      | 160    | 9 X            | 40      | 143    |
| 7/16 E14         | 66      | 168    | 10 E12         | 54      | 160    |
| 1/2 E16          | 95      | 180    | 11 E14         | 66      | 168    |
| 9/16 E18         | 119     | 193    | 12 X           | 82      | 174    |
| 5/8 E20          | 151     | 216    | 13 E16         | 95      | 180    |
| 11/16 E22        | 188     | 233    | 14 E18         | 119     | 193    |
| 3/4 E24          | 218     | 250    | 15 X           | 138     | 200    |
| 13/16 X          | 350     | 285    | 16 E20         | 151     | 216    |
| 7/8 E28          | 345     | 285    | 17 E22         | 188     | 233    |
|                  |         |        | 18 X           | 197     | 239    |
|                  |         |        | 19 E24         | 218     | 250    |
|                  |         |        | 21 X           | 350     | 285    |
|                  |         |        | 22 E28         | 340     | 285    |

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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## COMPARATIVE TABLE AVAILABLE SIZES OF DIFFERENT FASTENERS

- Spline box works on all fastener types.



| Size (mm/inch) | Size (mm/inch) | Size (mm) | Size (star) |
|----------------|----------------|-----------|-------------|
| 8 5/16         | 7 9/32         | 8         | E10         |
| 9 11/32        | 8 5/16         | 9         | X           |
| 10 3/8         | X 11/32        | 10        | E12         |
| 11 7/16        | 9 3/8          | 11        | E14         |
| 12 15/32       | 10 13/32       | 12        | X           |
| 13 1/2         | 11 7/16        | 13        | E16         |
| 14 9/16        | 12 15/32       | 14        | E18         |
| 15 19/32       | X 1/2          | 15        | X           |
| 16 5/8         | 13 17/32       | 16        | E20         |
| 17 11/16       | 14 9/16        | 17        | E22         |
| 18 X           | 15 19/32       | 18        | X           |
| 19 3/4         | 16 5/8         | 19        | E24         |
| 21 13/16       | 18 11/16       | 21        | X           |
| 22 7/8         | 19 3/4         | 22        | E28         |

**NEW INNOVATION RATCHET**  
**GEARTECH® DIPHYLLEIA BOX END WRENCH**

- The diphylleia Geartech® box design reduces the space of touching areas. Hence, it helps to lessen the occurrence of round off nuts.
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



5° space requirement for each turn.



Ratchet head allows wrench to travel without removing from fastener.

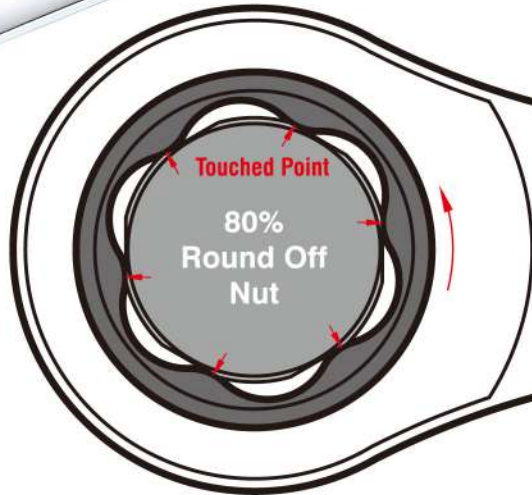
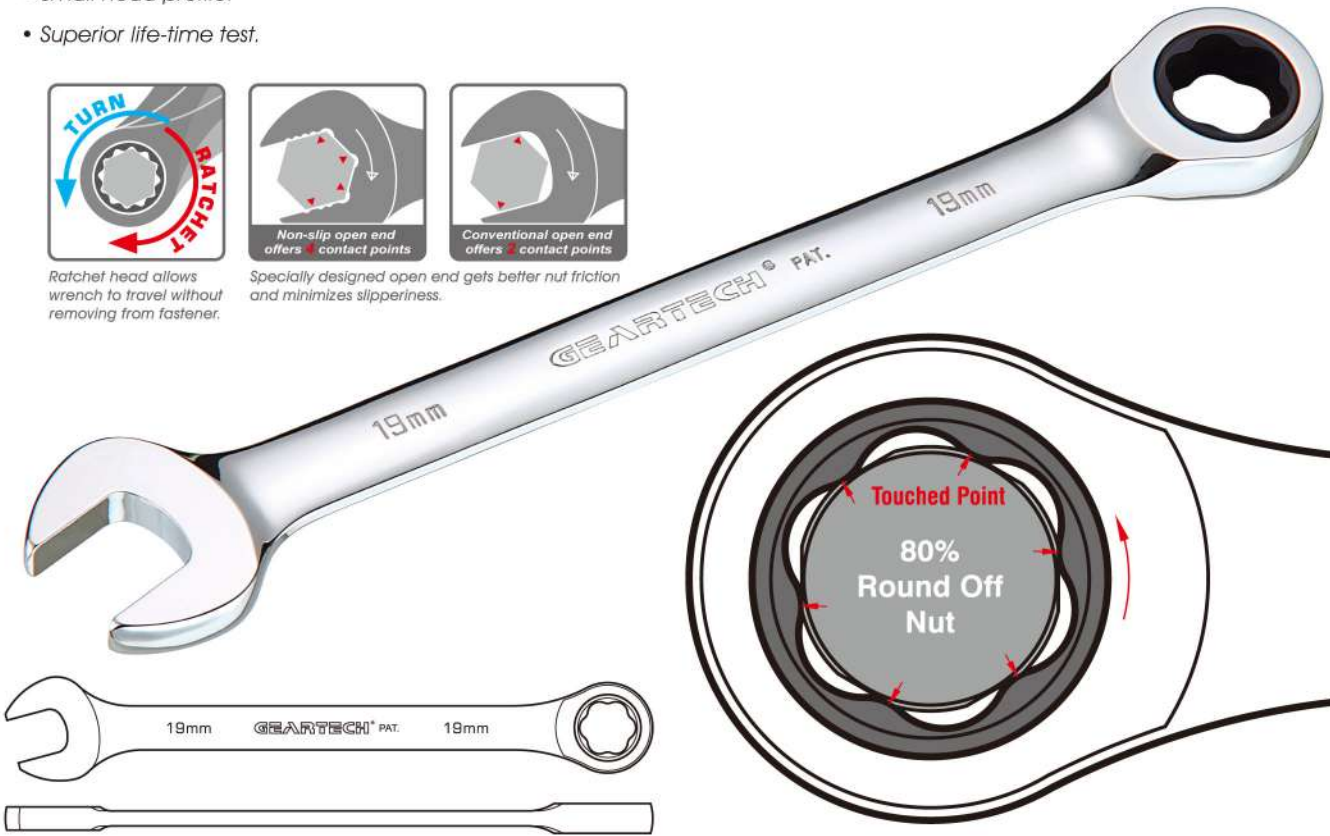


Non-slip open end offers 2 contact points



Conventional open end offers 2 contact points

Specially designed open end gets better nut friction and minimizes slipperiness.



**GEARTECH®**  
**DIPHYLLEIA BOX END WRENCH**

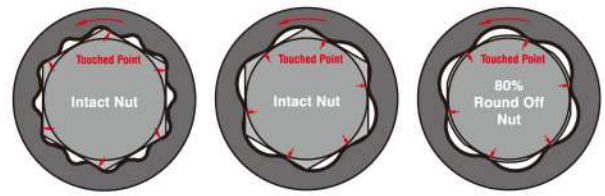


GT4SBV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 Diphylleia Ratchet Ring  
 Regular / Non-slip Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 5/16      | 34      | 136    | • 8       | 35      | 136    |
| 3/8         | 54      | 160    | • 9       | 40      | 143    |
| 7/16        | 70      | 168    | • 10      | 55      | 160    |
| 1/2         | 91      | 180    | • 11      | 72      | 168    |
| 9/16        | 120     | 193    | • 12      | 79      | 174    |
| 5/8         | 157     | 216    | • 13      | 93      | 180    |
| 11/16       | 183     | 233    | • 14      | 120     | 193    |
| 3/4         | 220     | 250    | • 15      | 134     | 200    |
|             |         |        | • 16      | 153     | 216    |
|             |         |        | • 17      | 188     | 233    |
|             |         |        | • 18      | 199     | 239    |
|             |         |        | • 19      | 238     | 250    |

**UP TO 80% ROUND OFF NUTS**



STANDARD      DIPHYLLEIA BOX DESIGN

| NUT BOLT STATUS | STANDARD | DIPHYLLEIA BOX DESIGN |
|-----------------|----------|-----------------------|
| Intact          | ✓        | ✓                     |
| 30% Round Off   | ✗        | ✓                     |
| 65% Round Off   | ✗        | ✓                     |
| 80% Round Off   | ✗        | ✓                     |

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

# GEARTECH® METRIC & INCH COMBINATION WRENCH

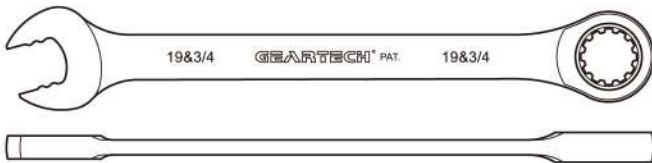
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- One wrench fits **Metric & Inch Sizes** - double the value of the wrench.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



## GEARTECH® METRIC & INCH COMBINATION WRENCH



Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 Splined Ratchet Ring  
 Metric & Inch Open End

GT4SPSMV

| Size (inch/mm) | Wt. (g) | L (mm) |
|----------------|---------|--------|
| 8              | 35      | 136    |
| 10             | 55      | 160    |
| 11             | 72      | 168    |
| 13             | 93      | 180    |
| 14             | 120     | 193    |
| 16             | 153     | 216    |
| 17             | 188     | 233    |
| 19             | 238     | 250    |
| 21             | 350     | 285    |
| 22             | 340     | 285    |



Each open end fits Metric & Inch Sizes.

### COMPARATIVE TABLE

#### AVAILABLE SIZES OF DIFFERENT FASTENERS

- Splined box works on all fastener types.



| Size (mm/inch) | Size (mm/inch) | Size (mm) | Size (star) |    |     |
|----------------|----------------|-----------|-------------|----|-----|
| 8              | 5/16           | 7         | 9/32        | 8  | E10 |
| 10             | 3/8            | ×         | 11/32       | 10 | E12 |
| 11             | 7/16           | 9         | 3/8         | 11 | E14 |
| 13             | 1/2            | 11        | 7/16        | 13 | E16 |
| 14             | 9/16           | 12        | 15/32       | 14 | E18 |
| 16             | 5/8            | 13        | 17/32       | 16 | E20 |
| 17             | 11/16          | 14        | 9/16        | 17 | E22 |
| 19             | 3/4            | 16        | 5/8         | 19 | E24 |
| 21             | 13/16          | 18        | 11/16       | 21 | ×   |
| 22             | 7/8            | 19        | 3/4         | 22 | E28 |

Note: 5/16" & 8mm utilize 60 teeth ratchet mechanism.

# GEARTECH® SPEEDY OPEN END WRENCH

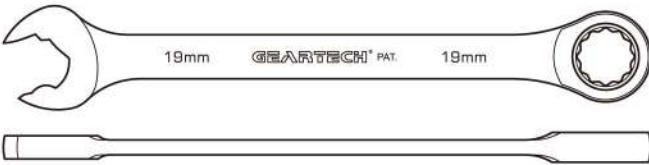
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Speedy open end & ratchet head** allows wrench to travel without removing from fastener.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



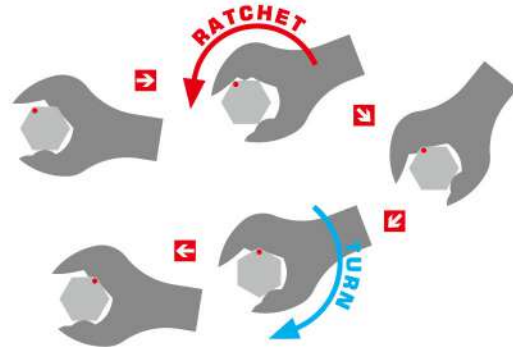
## GEARTECH® SPEEDY OPEN END WRENCH

GT4Q2V



Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Speedy Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 36      | 136    | 8         | 36      | 136    |
| 3/8         | 54      | 160    | 9         | 40      | 143    |
| 7/16        | 69      | 168    | 10        | 54      | 160    |
| 1/2         | 92      | 180    | 11        | 69      | 168    |
| 9/16        | 121     | 193    | 12        | 79      | 174    |
| 5/8         | 152     | 216    | 13        | 92      | 180    |
| 11/16       | 187     | 233    | 14        | 121     | 193    |
| 3/4         | 232     | 250    | 15        | 132     | 200    |
|             |         |        | 16        | 152     | 216    |
|             |         |        | 17        | 187     | 233    |
|             |         |        | 18        | 194     | 239    |
|             |         |        | 19        | 232     | 250    |



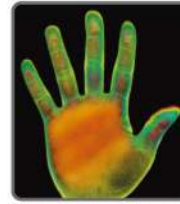
Speedy open end allows wrench to travel without removing from fastener.

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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**ERGONOMIC GEARTECH® COMBINATION WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Whole piece wrench is forged along with patented Ergonomic Handle to reduce user fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Heat spectrum diagram after using ergonomic wrench for two hours.



Heat spectrum diagram after using regular wrench for two hours.



Speedy open end allows wrench to travel without removing from fastener.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



**ERGONOMIC GEARTECH® COMBINATION WRENCH**



GT4TPV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Regular / Non-slip Open End  
 Colorful TPR Ergonomic Handle

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 1/4       | 38      | 136    | • 6       | 38      | 136    |
| • 5/16      | 38      | 136    | • 7       | 38      | 136    |
| • 3/8       | 60      | 160    | • 8       | 38      | 136    |
| • 7/16      | 76      | 168    | • 9       | 46      | 143    |
| • 1/2       | 99      | 180    | • 10      | 60      | 160    |
| • 9/16      | 132     | 193    | • 11      | 76      | 168    |
| • 5/8       | 162     | 216    | • 12      | 87      | 174    |
| • 11/16     | 213     | 233    | • 13      | 99      | 180    |
| • 3/4       | 243     | 250    | • 14      | 132     | 193    |
|             |         |        | • 15      | 145     | 200    |
|             |         |        | • 16      | 162     | 216    |
|             |         |        | • 17      | 213     | 233    |
|             |         |        | • 18      | 210     | 239    |
|             |         |        | • 19      | 243     | 250    |



**ERGONOMIC GEARTECH® SPEEDY OPEN END WRENCH**



GT4TPQ2V

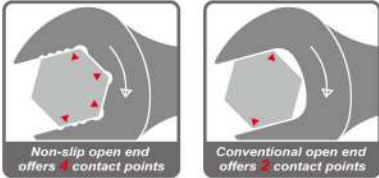
Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Speedy Open End  
 Colorful TPR Ergonomic Handle

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 5/16      | 38      | 136    | • 8       | 38      | 136    |
| • 3/8       | 63      | 160    | • 9       | 46      | 143    |
| • 7/16      | 76      | 168    | • 10      | 63      | 160    |
| • 1/2       | 104     | 180    | • 11      | 76      | 168    |
| • 9/16      | 134     | 193    | • 12      | 85      | 174    |
| • 5/8       | 167     | 216    | • 13      | 104     | 180    |
| • 11/16     | 216     | 233    | • 14      | 134     | 193    |
| • 3/4       | 245     | 250    | • 15      | 143     | 200    |
|             |         |        | • 16      | 167     | 216    |
|             |         |        | • 17      | 216     | 233    |
|             |         |        | • 18      | 210     | 239    |
|             |         |        | • 19      | 245     | 250    |

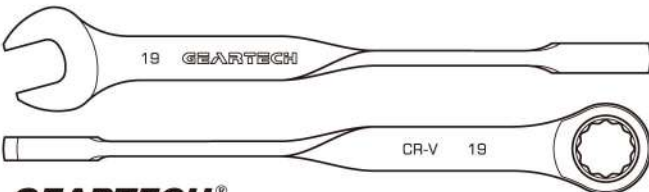
Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

# GEARTECH® TWIST COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- When performing the ratchet actions, the grip of twisting wrench allows more contact area of the palm, thus bearing less stress for the user.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.



## GEARTECH® TWIST COMBINATION WRENCH



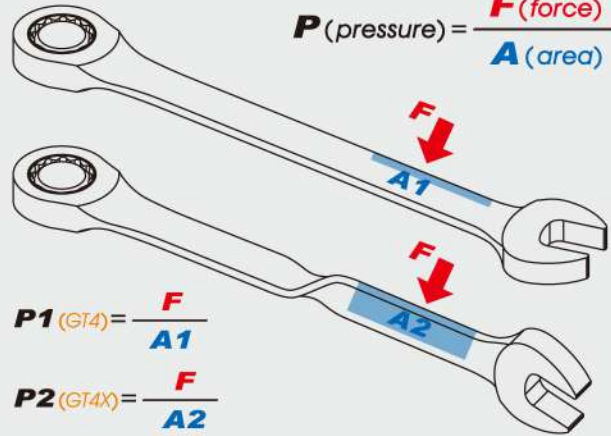
GT4XV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Regular / Non-slip Open End  
 Twisted Panel

### FUNCTION INTRODUCTION TWISTED PANEL

- When performing the ratchet actions, the grip of twisting wrench allows more contact area of the palm, thus bearing less stress for the user.

$$P \text{ (pressure)} = \frac{F \text{ (force)}}{A \text{ (area)}}$$



$$P1 \text{ (GT4)} = \frac{F}{A1}$$

$$P2 \text{ (GT4X)} = \frac{F}{A2}$$

$$F = P1 \text{ (GT4)} \times A1 \quad F = P2 \text{ (GT4X)} \times A2$$

$$P1 \text{ (GT4)} \times A1 = P2 \text{ (GT4X)} \times A2$$

$$A1 < A2 \Rightarrow P1 \text{ (GT4)} < P2 \text{ (GT4X)}$$

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| • 1/4       | 36      | 136    | • 6       | 36      | 136    | 22        | 340     | 285    |
| • 5/16      | 34      | 136    | • 7       | 36      | 136    | 23        | 330     | 285    |
| 3/8         | 54      | 160    | • 8       | 35      | 136    | 24        | 470     | 325    |
| 7/16        | 70      | 168    | • 9       | 40      | 143    | 25        | 460     | 325    |
| 1/2         | 91      | 180    | 10        | 55      | 160    | 26        | 460     | 325    |
| 9/16        | 120     | 193    | 11        | 72      | 168    |           |         |        |
| 5/8         | 157     | 216    | 12        | 79      | 174    |           |         |        |
| 11/16       | 183     | 233    | 13        | 93      | 180    |           |         |        |
| 3/4         | 220     | 250    | 14        | 120     | 193    |           |         |        |
| 13/16       | 350     | 286    | 15        | 134     | 200    |           |         |        |
| 7/8         | 345     | 286    | 16        | 153     | 216    |           |         |        |
| 15/16       | 485     | 325    | 17        | 188     | 233    |           |         |        |
| 1"          | 470     | 325    | 18        | 199     | 239    |           |         |        |
|             |         |        | 19        | 238     | 250    |           |         |        |
|             |         |        | 20        | 360     | 285    |           |         |        |
|             |         |        | 21        | 350     | 285    |           |         |        |

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

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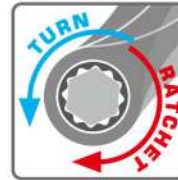
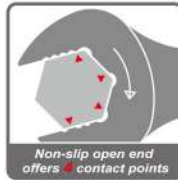
5° space requirement for each turn.



Ratchet head allows wrench to travel without removing from fastener.

# GEARTECH® EXTRA LONG COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Extra long panel** helps to reach deeper space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.

Ratchet head allows wrench to travel without removing from fastener.

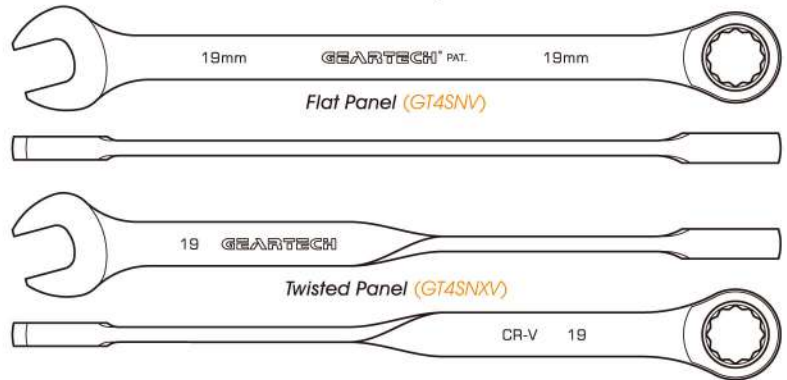
5° space requirement for each turn.

## GEARTECH® EXTRA LONG COMBINATION WRENCH



GT4SNV/GT4SNVX

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Regular / Non-slip Open End  
 Flat Panel / Twisted Panel



| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| • 1/4       | 41      | 150    | • 6       | 41      | 150    | 22        | 360     | 330    |
| • 5/16      | 39      | 150    | • 7       | 41      | 150    | 23        | 350     | 330    |
| 3/8         | 64      | 180    | • 8       | 38      | 150    | 24        | 480     | 355    |
| 7/16        | 78      | 195    | • 9       | 45      | 165    | 25        | 490     | 355    |
| 1/2         | 112     | 220    | 10        | 65      | 180    | 26        | 490     | 355    |
| 9/16        | 139     | 235    | 11        | 77      | 195    |           |         |        |
| 5/8         | 191     | 260    | 12        | 88      | 207    |           |         |        |
| 11/16       | 223     | 275    | 13        | 110     | 220    |           |         |        |
| 3/4         | 270     | 305    | 14        | 143     | 235    |           |         |        |
| 13/16       | 370     | 330    | 15        | 170     | 250    |           |         |        |
| 7/8         | 360     | 330    | 16        | 189     | 260    |           |         |        |
| 15/16       | 475     | 355    | 17        | 227     | 275    |           |         |        |
| 1"          | 490     | 355    | 18        | 240     | 290    |           |         |        |
|             |         |        | 19        | 275     | 305    |           |         |        |
|             |         |        | 20        | 370     | 330    |           |         |        |
|             |         |        | 21        | 360     | 330    |           |         |        |

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

# GEARTECH® STUBBY COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



5° space requirement for each turn.



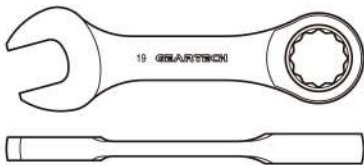
Ratchet head allows wrench to travel without removing from fastener.



Specially designed open end gets better nut friction and minimizes slipperiness.



Conventional open end offers 2 contact points



7pc Geartech® Stubby Combination Wrench Set

PP Window Holder + Label

7pc SAE 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

7pc MM 10, 12, 13, 14, 15, 17, 19mm



10pc Geartech® Stubby Combination Wrench Set

PVC Double Blister + Label

10pc MM 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

## GEARTECH® STUBBY COMBINATION WRENCH



GT4SSNV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Regular / Non-slip Open End  
 Stubby Panel

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 1/4         | 24      | 88     | 6         | 24      | 88     |
| 5/16        | 23      | 88     | 7         | 24      | 88     |
| 3/8         | 42      | 96     | 8         | 23      | 88     |
| 7/16        | 50      | 100    | 9         | 42      | 96     |
| 1/2         | 65      | 108    | 10        | 41      | 96     |
| 9/16        | 81      | 114    | 11        | 50      | 100    |
| 5/8         | 108     | 122    | 12        | 56      | 104    |
| 11/16       | 122     | 128    | 13        | 64      | 108    |
| 3/4         | 154     | 138    | 14        | 83      | 114    |
|             |         |        | 15        | 94      | 118    |
|             |         |        | 16        | 108     | 122    |
|             |         |        | 17        | 123     | 128    |
|             |         |        | 18        | 141     | 132    |
|             |         |        | 19        | 153     | 138    |

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

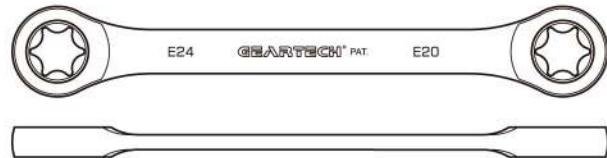
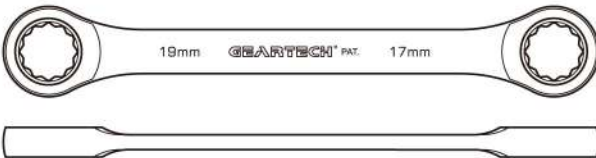
**GEARTECH® DOUBLE BOX WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Ratchet head allows wrench to travel without removing from fastener.

5° space requirement for each turn.



**GEARTECH® DOUBLE BOX WRENCH**



GT4BXV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
12 Point Ratchet Ring

| Size (inch) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| 5/16x3/8    | 50      | 128    |
| 3/8x7/16    | 69      | 150    |
| 7/16x1/2    | 100     | 170    |
| 1/2x11/16   | -       | 170    |
| 1/2x3/4     | 166     | 170    |
| 9/16x5/8    | 145     | 190    |
| 11/16x3/4   | 225     | 230    |
| 3/4x15/16   | 450     | 290    |
| 13/16x15/16 | 450     | 290    |
| 7/8x1"      | 450     | 290    |

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 8x9       | 51      | 128    |
| 8x10      | 48      | 128    |
| 10x11     | 69      | 150    |
| 10x13     | -       | 160    |
| 11x13     | 99      | 170    |
| 12x13     | 100     | 170    |
| 13x17     | -       | 170    |
| 13x19     | 165     | 170    |
| 14x15     | 147     | 190    |
| 14x16     | 146     | 190    |
| 16x18     | 229     | 230    |
| 17x19     | 226     | 230    |
| 19x21     | 450     | 290    |
| 19x24     | 450     | 290    |
| 20x24     | 450     | 290    |
| 21x24     | 450     | 290    |
| 22x24     | 450     | 290    |

**STAR E-TYPE GEARTECH® DOUBLE BOX WRENCH**



GT4EV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
Star Ratchet Ring

| Size (star) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| E6xE8       | 55      | 128    |
| E10xE12     | 76      | 150    |
| E14xE18     | 157     | 190    |
| E20xE24     | 235     | 230    |

Note: 5/16", 8mm, 9mm & E6 utilize 60 teeth ratchet mechanism.

# NEW INNOVATION RATCHET GEARTECH® DOUBLE DIPHYLLEIA BOX WRENCH

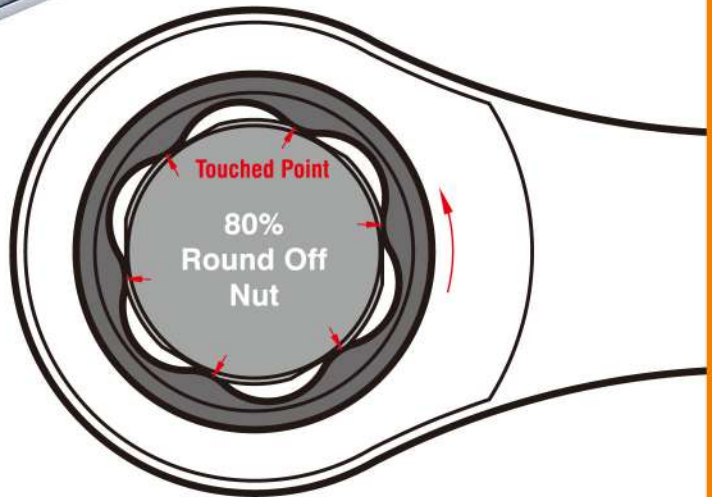
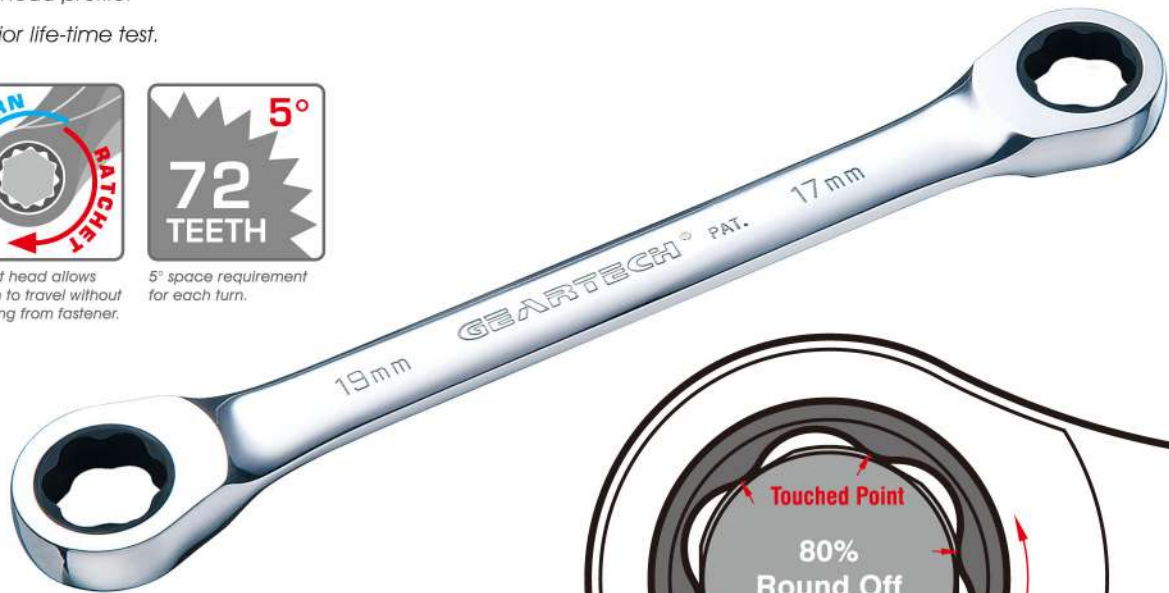
- The diphylleia Geartech® box design reduces the space of touching areas. Hence, it helps to lessen the occurrence of round off nuts.
- Made by heat-treated Chrome Vanadium Steel for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- 72 teeth needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



## GEARTECH® DOUBLE DIPHYLLEIA BOX WRENCH

MEETS OR EXCEEDS  
A.N.S.I.  
STANDARDS

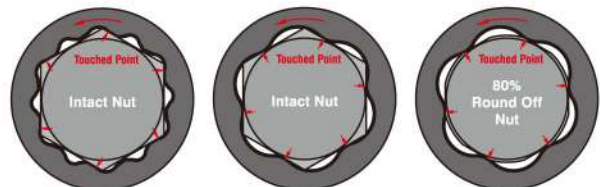


GT4SBBXV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
Diphylleia Ratchet Ring

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 8x10      | 48      | 128    |
| 10x11     | 69      | 150    |
| 10x13     | -       | 160    |
| 11x13     | 99      | 170    |
| 12x13     | 100     | 170    |
| 13x19     | 165     | 170    |
| 17x19     | 226     | 230    |

### UP TO 80% ROUND OFF NUTS



STANDARD

DIPHYLLEIA BOX DESIGN

| NUT BOLT STATUS | NUT BOLT STATUS |                       |
|-----------------|-----------------|-----------------------|
|                 | STANDARD        | DIPHYLLEIA BOX DESIGN |
| Intact          | ✓               | ✓                     |
| 30% Round Off   | ✗               | ✓                     |
| 65% Round Off   | ✗               | ✓                     |
| 80% Round Off   | ✗               | ✓                     |

Note: 8mm utilize 60 teeth ratchet mechanism.

# GEARTECH® L-TYPE EXTRA LONG DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Extra long panel** helps to reach deeper space.
- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



## GEARTECH® L-TYPE EXTRA LONG DOUBLE BOX WRENCH

GT4LBXV



Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point Ratchet Ring & Box  
 Flat Offset Box End & One Side without Chamfer  
 Extra Long Panel

| Size (Inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 60      | 222    | 8         | 60      | 222    |
| 11/32       | 70      | 227    | 9         | 70      | 227    |
| 3/8         | 87      | 242    | 10        | 86      | 242    |
| 7/16        | 101     | 252    | 11        | 101     | 252    |
| 1/2         | 149     | 286    | 12        | 120     | 268    |
| 9/16        | 178     | 306    | 13        | 147     | 286    |
| 5/8         | 245     | 349    | 14        | 180     | 306    |
| 11/16       | 291     | 374    | 15        | 205     | 324    |
| 3/4         | 375     | 397    | 16        | 239     | 349    |
|             |         |        | 17        | 292     | 374    |
|             |         |        | 18        | 319     | 385    |
|             |         |        | 19        | 382     | 397    |

Note: 5/16", 11/32", 8mm & 9mm utilize 60 teeth ratchet mechanism.



Ratchet head allows wrench to travel without removing from fastener.



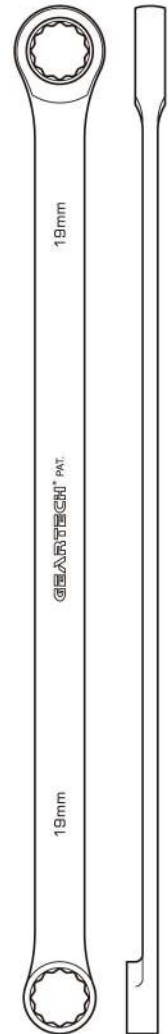
5° space requirement for each turn.



Revolution Box End



Regular Box End



### FUNCTION INTRODUCTION FLAT OFFSET BOX END & ONE SIDE WITHOUT CHAMFER

- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.

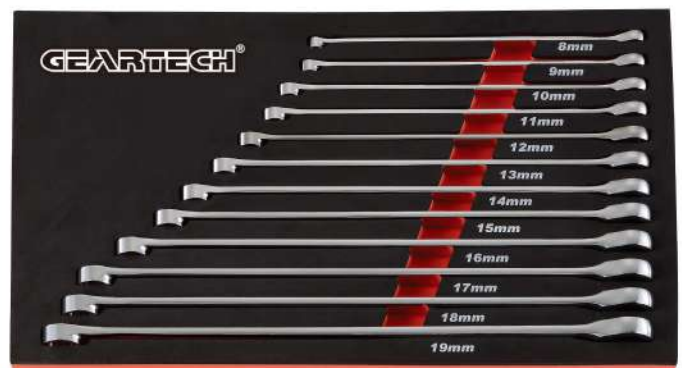


One side box end without chamfer



One side box end with chamfer

Box end without chamfer fits all types of corrupted nuts.



### Geartech® L-type Extra Long Double Box Wrench Set

EVA Tray + Corrugated Paper + POF

12pc MM 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

8pc SAE 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**GEARTECH® WRENCH ASSORTMENT**



**4pc Geartech® Combination Wrench Set**

EVA Tray + Wooden Case + Color Box + POF

**4pc SAE** 3/8", 7/16", 1/2", 9/16"

**4pc MM** 10, 12, 13, 14mm



**7pc Geartech® Combination Wrench Set**

Blow Mould Case + Label

**7pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** 8, 10, 12, 13, 14, 15, 18mm

**Geartech® Combination Wrench Set**

Blow Mould Case + Color Sleeve

**8pc MM** 8, 10, 12, 13, 15, 17, 18, 19mm

**12pc MM** 8pc Geartech® Combination Wrenches:

8, 10, 12, 13, 15, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**13pc MM** 9pc Geartech® Combination Wrenches:

8, 10, 12, 13, 14, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**10pc MM** 8, 10, 12, 13, 14, 17, 19, 21, 22, 24mm

**14pc MM** 10pc Geartech® Combination Wrenches:

8, 10, 12, 13, 14, 17, 19, 21, 22, 24mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**12pc MM** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**16pc MM** 12pc Geartech® Combination Wrenches:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter



**GEARTECH® WRENCH ASSORTMENT**

**Geartech® Combination Wrench Set**

PP Rack (PAT.P) + Label

- 13pc SAE** (XL) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
- 12pc MM** (XL) 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
- 11pc SAE** (XL) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"
- 11pc MM** (XL) 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19mm
- 10pc MM** (L) 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm
- 9pc SAE** (L) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- 9pc MM** (L) 10, 11, 12, 13, 14, 15, 16, 17, 19mm
- 8pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
- 8pc MM** (L) 8, 10, 12, 13, 14, 15, 17, 19mm
- 7pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
- 7pc MM** (M) 8, 10, 12, 13, 14, 17, 19mm
- 6pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
- 6pc MM** (M) 8, 10, 12, 13, 14, 17mm
- 5pc SAE** (M) 3/8", 7/16", 1/2", 9/16", 5/8"
- 5pc MM** (M) 10, 12, 13, 14, 15mm
- 5pc MM** (S) 8, 10, 13, 17, 19mm
- 4pc SAE** (S) 3/8", 7/16", 1/2", 9/16"
- 4pc MM** (S) 10, 12, 13, 14mm



**Geartech® Combination Wrench Set**

PP Try Me Rack (PAT.P) + Label

- 7pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"
- 7pc MM** (M) 8, 10, 12, 13, 14, 17, 19mm
- 6pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"
- 6pc MM** (M) 8, 10, 12, 13, 14, 17mm
- 5pc SAE** (M) 3/8", 7/16", 1/2", 9/16", 5/8"
- 5pc MM** (M) 10, 12, 13, 14, 15mm



**Geartech® Double Box Wrench Set**

PP Rack (PAT.P) + Label

- 6pc MM** (M) 8x9, 10x11, 12x13, 14x15, 16x18, 17x19mm
- 5pc MM** (S) 8x10, 10x11, 12x13, 14x15, 17x19mm
- 4pc SAE** (S) 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"
- 4pc MM** (S) 8x10, 12x13, 14x15, 17x19mm
- 4pc Star** (S) E6xE8, E10xE12, E14xE18, E20xE24



**GEARTECH® WRENCH ASSORTMENT**



**8pc Geartech® Ratchet Open End Wrench Set**

PP Rack + Label

**8pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** 8, 10, 11, 12, 13, 14, 17, 19mm



**Geartech® Combination Wrench Set**

EVA Tray + Cardboard + POF

EVA Tray + POF + Metal Case + Color Sleeve + POF

**8pc MM** 5pc Geartech® Combination Wrenches:

8, 10, 13, 17, 19mm

2pc Quick Release Adapters:

1/4" Dr x10mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**12pc MM** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**16pc MM** 12pc Geartech® Combination Wrenches:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter



**GEARTECH® WRENCH ASSORTMENT**

**Geartech® Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE (L)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM (L)** 8, 10, 12, 13, 14, 15, 17, 19mm (L)

**7pc SAE (S)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM (L)** 10, 12, 13, 14, 15, 17, 19mm

**5pc SAE (S)** 5/16", 3/8", 7/16", 1/2", 9/16"

**5pc MM (S)** 10, 12, 13, 14, 15mm

**5pc MM (L)** 8, 10, 13, 17, 19mm

**4pc SAE (S)** 3/8", 7/16", 1/2", 9/16"

**4pc MM (S)** 10, 12, 13, 14mm



**Geartech® Double Box Wrench Set**

PP Try Me Tray + Cardboard + Label

**5pc MM (L)** 8x10, 10x11, 12x13, 14x15, 17x19mm

**4pc SAE (L)** 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"

**4pc MM (L)** 8x10, 12x13, 14x15, 17x19mm

**4pc Star (L)** E6xE8, E10xE12, E14xE18, E20xE24



**Geartech® Stubby Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE (LS)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM (LS)** 8, 10, 12, 13, 14, 15, 17, 19mm

**7pc SAE (LS)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM (LS)** 10, 12, 13, 14, 15, 17, 19mm

**5pc MM (LS)** 8, 10, 13, 17, 19mm



**GEARTECH® WRENCH ASSORTMENT**

**7pc Geartech® Combination Wrench Set**

PS Tray + Card + POF

**7pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** 8, 10, 12, 13, 14, 17, 19mm



**144tip Geartech® Extra Long Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE (XL)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM (XL)** 8, 10, 12, 13, 14, 15, 17, 19mm (L)

**7pc SAE (XL)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM (XL)** 10, 12, 13, 14, 15, 17, 19mm

**5pc SAE (XLS)** 5/16", 3/8", 7/16", 1/2", 9/16"

**5pc MM (XLS)** 10, 12, 13, 14, 15mm

**5pc MM (XL)** 8, 10, 13, 17, 19mm

**4pc SAE (XLS)** 3/8", 7/16", 1/2", 9/16"

**4pc MM (XLS)** 10, 12, 13, 14mm



**GEARTECH® WRENCH ASSORTMENT**



**7pc Geartech® Combination Wrench Set**

ABS Holder + Label

**7pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** 10, 12, 13, 14, 15, 17, 19mm



**Geartech® Combination Wrench Set**

ABS Holder + Label

**8pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** (L) 8, 10, 12, 13, 14, 15, 17, 19mm

**7pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (L) 10, 12, 13, 14, 15, 17, 19mm

**6pc SAE** (S) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

**6pc MM** (S) 10, 12, 13, 14, 15, 17mm

**5pc SAE** (S) 3/8", 7/16", 1/2", 9/16", 5/8"

**5pc MM** (S) 10, 12, 13, 14, 15mm

**4pc SAE** (S) 3/8", 7/16", 1/2", 9/16"

**4pc MM** (S) 10, 12, 13, 14mm



**Geartech® Double Box Wrench Set**

ABS Holder + Label

**6pc MM** (S) 8x9, 10x11, 12x13, 14x15, 16x18, 17x19mm

**5pc MM** (S) 8x10, 10x11, 12x13, 14x15, 17x19mm

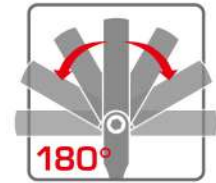
**4pc SAE** (S) 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"

**4pc MM** (S) 8x10, 12x13, 14x15, 17x19mm

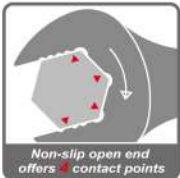
**4pc Star** (S) E6xE8, E10xE12, E14xE18, E20xE24

# FLEX HEAD GEARTECH® COMBINATION WRENCH

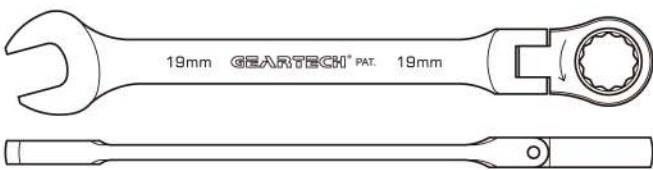
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Flexible head tilts 180° at any interval with continuous head tension.



Specially designed open end gets better nut friction and minimizes slipperiness.



## FLEX HEAD GEARTECH® COMBINATION WRENCH



FXGT4V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| • 1/4       | 41      | 136    | • 6       | 41      | 136    | 22        | 395     | 285    |
| • 5/16      | 39      | 136    | • 7       | 39      | 136    | 23        | 390     | 285    |
| 3/8         | 62      | 160    | • 8       | 39      | 136    | 24        | 550     | 325    |
| 7/16        | 77      | 168    | • 9       | 47      | 143    | 25        | 550     | 325    |
| 1/2         | 108     | 180    | 10        | 62      | 160    | 26        | 540     | 325    |
| 9/16        | 130     | 193    | 11        | 78      | 168    | 27        | 711     | 359    |
| 5/8         | 186     | 216    | 12        | 88      | 174    | 28        | -       | 359    |
| 11/16       | 205     | 233    | 13        | 106     | 180    | 30        | 1108    | 425    |
| 3/4         | 265     | 250    | 14        | 126     | 193    | 32        | 1081    | 425    |
| 13/16       | 390     | 285    | 15        | 145     | 200    |           |         |        |
| 7/8         | 380     | 285    | 16        | 183     | 216    |           |         |        |
| 15/16       | 550     | 325    | 17        | 208     | 233    |           |         |        |
| 1"          | 540     | 325    | 18        | 233     | 239    |           |         |        |
| 1-1/16      | 710     | 359    | 19        | 260     | 250    |           |         |        |
| 1-1/8       | 1118    | 425    | 20        | 390     | 285    |           |         |        |
| 1-1/4       | 1084    | 425    | 21        | 395     | 285    |           |         |        |



5° space requirement for each turn.

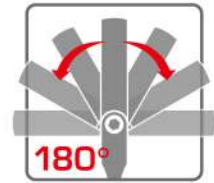


Ratchet head allows wrench to travel without removing from fastener.

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

**FLEX HEAD GEARTECH® SPEEDY OPEN END WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- **Speedy open end & ratchet head** allows wrench to travel without removing from fastener.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Flexible head tilts 180° at any interval with continuous head tension.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



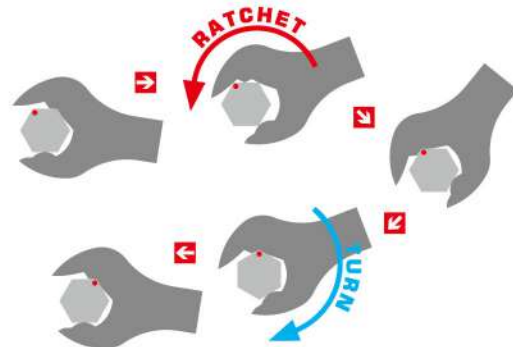
**FLEX HEAD GEARTECH® SPEEDY OPEN END WRENCH**

FXGT4Q2V



Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring  
 Speedy Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 39      | 136    | 8         | 39      | 136    |
| 3/8         | 62      | 160    | 9         | 47      | 143    |
| 7/16        | 77      | 168    | 10        | 62      | 160    |
| 1/2         | 108     | 180    | 11        | 78      | 168    |
| 9/16        | 130     | 193    | 12        | 88      | 174    |
| 5/8         | 186     | 216    | 13        | 106     | 180    |
| 11/16       | 205     | 233    | 14        | 126     | 193    |
| 3/4         | 265     | 250    | 15        | 145     | 200    |
|             |         |        | 16        | 183     | 216    |
|             |         |        | 17        | 208     | 233    |
|             |         |        | 18        | 233     | 239    |
|             |         |        | 19        | 259     | 250    |



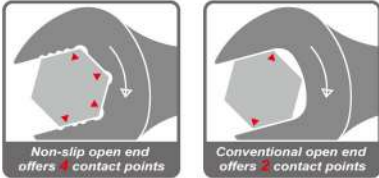
Speedy open end allows wrench to travel without removing from fastener.

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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# FLEX HEAD GEARTECH® TWIST COMBINATION WRENCH

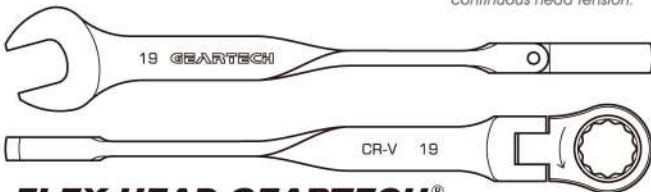
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- When performing the ratchet actions, the grip of twisting wrench allows more contact area of the palm, thus bearing less stress for the user.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.



Flexible head tilts 180° at any interval with continuous head tension.



## FLEX HEAD GEARTECH® TWIST COMBINATION WRENCH



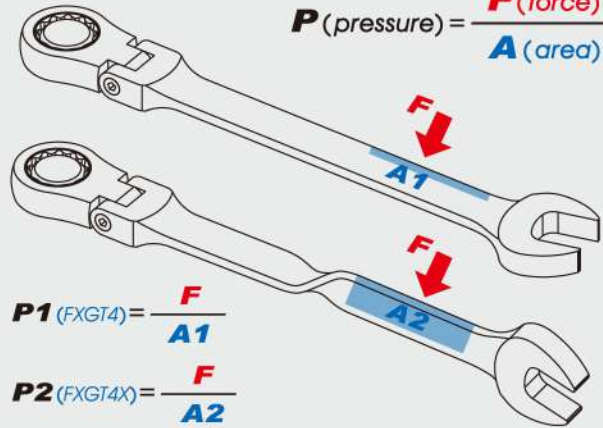
FXGT4XV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratcheg Ring  
 Regular / Non-slip Open End  
 Twisted Panel

### FUNCTION INTRODUCTION TWISTED PANEL

- When performing the ratchet actions, the grip of twisting wrench allows more contact area of the palm, thus bearing less stress for the user.

$$P \text{ (pressure)} = \frac{F \text{ (force)}}{A \text{ (area)}}$$



$$P1 \text{ (FXGT4)} = \frac{F}{A1}$$

$$P2 \text{ (FXGT4X)} = \frac{F}{A2}$$

$$F = P1 \text{ (FXGT4)} \times A1 \quad F = P2 \text{ (FXGT4X)} \times A2$$

$$P1 \text{ (FXGT4)} \times A1 = P2 \text{ (FXGT4X)} \times A2$$

$$A1 < A2 \Rightarrow P1 \text{ (FXGT4)} < P2 \text{ (FXGT4X)}$$

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| • 1/4       | 41      | 136    | • 6       | 41      | 136    | 22        | 395     | 285    |
| • 5/16      | 39      | 136    | • 7       | 39      | 136    | 23        | 390     | 285    |
| 3/8         | 62      | 160    | • 8       | 39      | 136    | 24        | 550     | 325    |
| 7/16        | 77      | 168    | • 9       | 47      | 143    | 25        | 550     | 325    |
| 1/2         | 108     | 180    | 10        | 62      | 160    | 26        | 540     | 325    |
| 9/16        | 130     | 193    | 11        | 78      | 168    |           |         |        |
| 5/8         | 186     | 216    | 12        | 88      | 174    |           |         |        |
| 11/16       | 205     | 233    | 13        | 106     | 180    |           |         |        |
| 3/4         | 265     | 250    | 14        | 126     | 193    |           |         |        |
| 13/16       | 390     | 285    | 15        | 145     | 200    |           |         |        |
| 7/8         | 380     | 285    | 16        | 183     | 216    |           |         |        |
| 15/16       | 550     | 325    | 17        | 208     | 233    |           |         |        |
| 1"          | 540     | 325    | 18        | 233     | 239    |           |         |        |
|             |         |        | 19        | 260     | 250    |           |         |        |
|             |         |        | 20        | 390     | 285    |           |         |        |
|             |         |        | 21        | 395     | 285    |           |         |        |



5° space requirement for each turn.

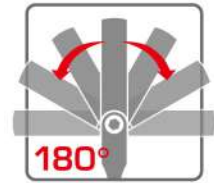


Ratchet head allows wrench to travel without removing from fastener.

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

**FLEX HEAD GEARTECH® STUBBY WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Flexible head tilts 180° at any interval with continuous head tension.



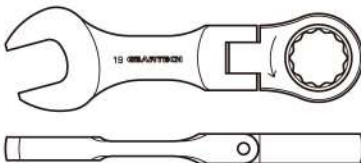
Specially designed open end gets better nut friction and minimizes slipperiness.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.

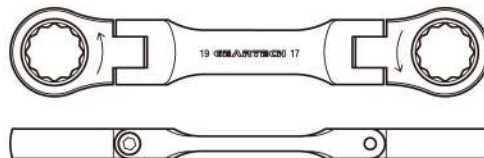


**FLEX HEAD GEARTECH® STUBBY COMBINATION WRENCH**



FXGT4SSNV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End  
 Stubby Panel



**FLEX HEAD GEARTECH® STUBBY DOUBLE BOX WRENCH**



FXGT4SSNBXV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring  
 Stubby Panel

| Size (inch) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| 1/4         | 32      | 88     |
| 5/16        | 32      | 88     |
| 3/8         | 48      | 96     |
| 7/16        | 58      | 100    |
| 1/2         | 81      | 108    |
| 9/16        | 96      | 114    |
| 5/8         | 128     | 122    |
| 11/16       | 148     | 128    |
| 3/4         | 188     | 138    |

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 6         | 32      | 88     |
| 7         | 32      | 88     |
| 8         | 31      | 88     |
| 9         | 42      | 96     |
| 10        | 46      | 96     |
| 11        | 58      | 100    |
| 12        | 69      | 104    |
| 13        | 79      | 108    |
| 14        | 96      | 114    |
| 15        | 110     | 118    |
| 16        | 127     | 122    |
| 17        | 150     | 128    |
| 18        | 166     | 132    |
| 19        | 188     | 138    |

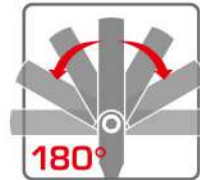
| Size (inch) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| 5/16x3/8    | 62      | 125    |
| 7/16x1/2    | 108     | 145    |
| 9/16x5/8    | 167     | 168    |
| 11/16x3/4   | 244     | 185    |

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 8x10      | 62      | 125    |
| 10x11     | -       | 134    |
| 10x12     | -       | 135    |
| 11x13     | 107     | 145    |
| 12x13     | 111     | 146    |
| 12x14     | -       | 155    |
| 14x15     | 157     | 163    |
| 14x16     | 167     | 165    |
| 14x17     | -       | 175    |
| 16x18     | 230     | 182    |
| 17x19     | 242     | 185    |

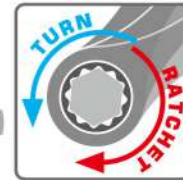
Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

**FLEX HEAD GEARTECH® DOUBLE BOX WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



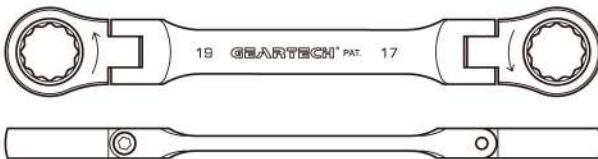
Flexible head tilts 180° at any interval with continuous head tension.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



**FLEX HEAD GEARTECH® DOUBLE BOX WRENCH**



**STAR E-TYPE FLEX HEAD GEARTECH® DOUBLE BOX WRENCH**



FXGT4BXV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 180° Flexible Ratchet Head  
12 Point Ratchet Ring



FXGT4EBXV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 180° Flexible Ratchet Head  
Star Ratchet Ring

| Size (inch) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| 5/16x3/8    | -       | 125    |
| 3/8x1/2     | -       | 167    |
| 7/16x1/2    | -       | 169    |
| 9/16x5/8    | -       | 190    |
| 11/16x3/4   | -       | 230    |

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 8x10      | 62      | 125    |
| 10x11     | 89      | 149    |
| 10x12     | 92      | 150    |
| 10x13     | 108     | 167    |
| 11x13     | -       | 169    |
| 12x13     | 126     | 170    |
| 12x14     | 128     | 173    |
| 14x15     | 170     | 188    |
| 14x16     | -       | 190    |
| 14x17     | 199     | 210    |
| 16x18     | 258     | 227    |
| 17x19     | 285     | 230    |

| Size (star) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| E6xE8       | -       | 125    |
| E10xE12     | -       | 149    |
| E14xE18     | -       | 190    |
| E20xE24     | -       | 230    |

Note: 5/16", 8mm & E6 utilize 60 teeth ratchet mechanism.

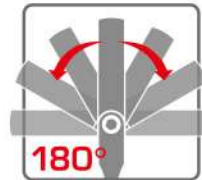
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# NEW

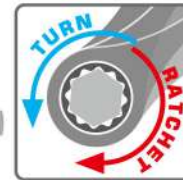
# GEARTECH®

## FLEX HEAD GEARTECH® EXTRA LONG DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- **Extra long panel** helps to reach deeper space.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



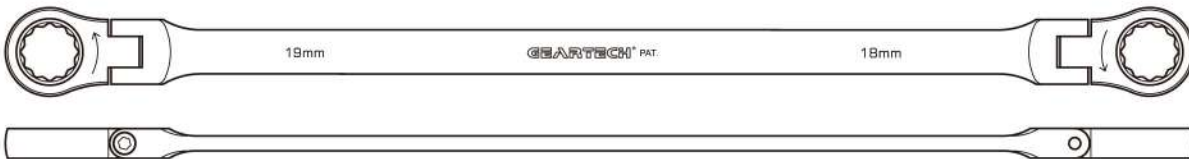
Flexible head tilts 180° at any interval with continuous head tension.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



## FLEX HEAD GEARTECH® EXTRA LONG DOUBLE BOX WRENCH



FXGT4SNBXV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 180° Flexible Ratchet Head  
12 Point Ratchet Ring  
Extra Long Panel

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 1/4x5/16  | 120     | 301    | • 8x9     | 125     | 305    |
| 3/8x7/16    | 168     | 318    | 10x11     | 166     | 318    |
| 1/2x9/16    | 260     | 399    | 10x12     | -       | 319    |
| 9/16x11/16  | -       | 406    | 12x13     | 251     | 394    |
| 5/8x11/16   | 398     | 419    | 12x14     | -       | 397    |
| 3/4x7/8     | 648     | 470    | 14x15     | 312     | 406    |
|             |         |        | 14x17     | -       | 406    |
|             |         |        | 16x17     | 404     | 419    |
|             |         |        | 18x19     | 493     | 457    |



### Flex Head Geartech® Extra Long Double Box Wrench Set

EVA Tray + Corrugated Paper + POF

6pc MM 8x9, 10x11, 12x13, 14x15, 16x17, 18x19mm

5pc SAE 1/4"x5/16", 3/8"x7/16", 1/2"x9/16", 5/8"x11/16", 3/4"x7/8"

Note: 1/4", 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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# NEW

# GEARTECH®

## FLEX HEAD GEARTECH® L-TYPE EXTRA LONG DOUBLE BOX WRENCH

FLEX HEAD

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- **Extra long panel** helps to reach deeper space.
- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



### FLEX HEAD GEARTECH® L-TYPE EXTRA LONG DOUBLE BOX WRENCH



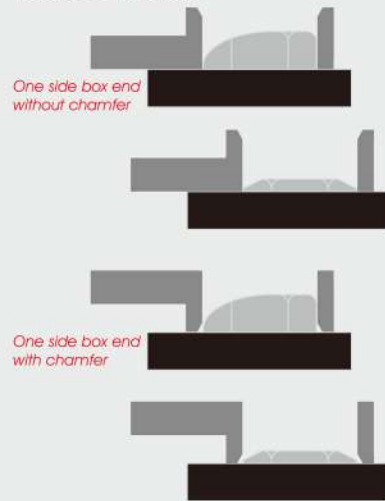
FXGT4LBXV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring & Box  
 6 Point Flat Offset Box End & One Side without Chamfer  
 Extra Long Panel

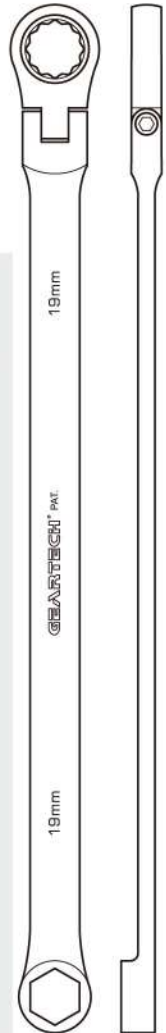
| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 1/4       | -       | 221.5  | • 6       | -       | 221.5  |
| • 5/16      | 70      | 222    | • 8       | 70      | 222    |
| 3/8         | 102     | 242    | • 9       | 81      | 227    |
| 7/16        | -       | 252    | • 10      | 99      | 242    |
| 1/2         | -       | 286    | • 11      | 117     | 252    |
| 9/16        | 194     | 306    | • 12      | 140     | 268    |
| 5/8         | 264     | 349    | • 13      | 165     | 286    |
| 11/16       | 310     | 374    | • 14      | 184     | 306    |
| 3/4         | 416     | 397    | • 15      | 222     | 324    |
| 13/16       | -       | 433    | • 16      | 260     | 349    |
| 7/8         | 556     | 433    | • 17      | 318     | 374    |
| 15/16       | 781     | -      | • 18      | 354     | 385    |
| 1"          | 756     | -      | • 19      | 410     | 397    |
| 1-1/16      | 977     | -      | • 20      | 565     | 433    |
| 1-1/8       | 1392    | -      | • 21      | 563     | 433    |
| 1-1/4       | 1336    | -      | • 22      | 559     | 433    |
|             |         |        | • 23      | 546     | -      |
|             |         |        | • 24      | 789     | -      |

### FUNCTION INTRODUCTION FLAT OFFSET BOX END & ONE SIDE WITHOUT CHAMFER

- Box end without chamfer increases the contact area with nuts, enhancing the torque of wrench.



Box end without chamfer fits all types of corrupted nuts.



Note: 1/4", 5/16", 6mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.



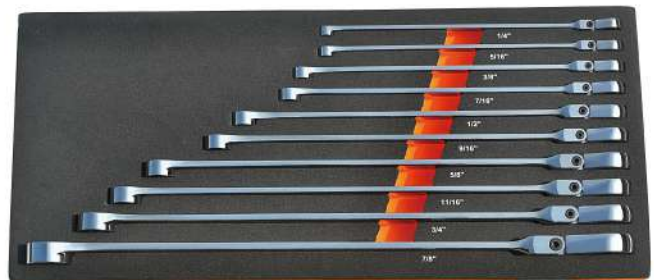
Flexible head tilts 180° at any interval with continuous head tension.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



Flex Head Geartech® L-type Extra Long Double Box Wrench Set

EVA Tray + Corrugated Paper + POF

12pc MM 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

10pc SAE 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8"

TRADITIONAL

MECHANIC

**LOCKING FLEX HEAD GEARTECH® COMBINATION WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- 180° flex head has **13 locking positions**.
- **Locking switch.**
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



**LOCKING FLEX HEAD GEARTECH® COMBINATION WRENCH**



FXGT4KV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 13 Locking Positions on Flexible Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 5/16      | 38      | 136    | • 8       | 38      | 136    |
| 3/8         | 64      | 160    | • 9       | 48      | 143    |
| 7/16        | 76      | 168    | 10        | 62      | 160    |
| 1/2         | 112     | 180    | 11        | 78      | 168    |
| 9/16        | 136     | 193    | 12        | 92      | 174    |
| 5/8         | 176     | 216    | 13        | 110     | 180    |
| 11/16       | 204     | 233    | 14        | 136     | 193    |
| 3/4         | 260     | 250    | 15        | 148     | 200    |
|             |         |        | 16        | 176     | 216    |
|             |         |        | 17        | 210     | 233    |
|             |         |        | 18        | 230     | 239    |
|             |         |        | 19        | 266     | 250    |

**180°**

Flexible head tilts 180° at any interval with continuous head tension.

**TURN RATCHET**

Ratchet head allows wrench to travel without removing from fastener.

**5°**

**72 TEETH**

5° space requirement for each turn.

**LOCKING SWITCH**

**Non-slip open end offers 4 contact points**

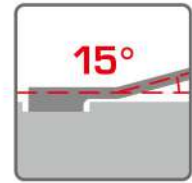
**Conventional open end offers 2 contact points**

Specially designed open end gets better nut friction and minimizes slipperiness.

**Note:** 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

# H-TYPE LOCKING FLEX HEAD GEARTECH® DOUBLE BOX WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- 180° flex head has **13 locking positions**.
- **Locking switch**.
- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.
- **15° offset traditional box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



15° offset box end for knuckle clearance.



Revolution Box End

Regular Box End

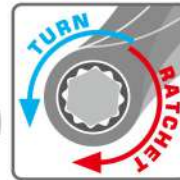


Locking Switch.



180°

Flexible head tilts 180° at any interval with continuous head tension.

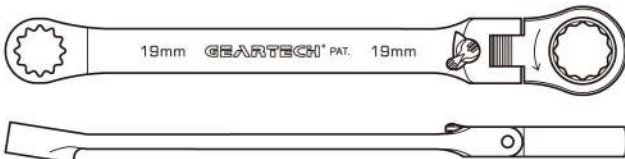


Ratchet head allows wrench to travel without removing from fastener.



5°  
72 TEETH

5° space requirement for each turn.



## H-TYPE LOCKING FLEX HEAD GEARTECH® DOUBLE BOX WRENCH



FXGT4PKV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 13 Locking Positions on Flexible Head  
 12 Point Ratchet Ring / Box  
 15° Offset Box End without Chamfer

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | -       | 131    | 8         | 40      | 131    |
| 3/8         | -       | 145    | 9         | -       | 138    |
| 7/16        | -       | 152    | 10        | 57      | 145    |
| 1/2         | -       | 171    | 11        | -       | 152    |
| 9/16        | -       | 185    | 12        | -       | 159    |
| 5/8         | -       | 215    | 13        | -       | 171    |
| 11/16       | -       | 232    | 14        | 122     | 185    |
| 3/4         | -       | 249    | 15        | 147     | 199    |
|             |         |        | 16        | -       | 215    |
|             |         |        | 17        | 196     | 232    |
|             |         |        | 18        | -       | 240    |
|             |         |        | 19        | 263     | 249    |

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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### FUNCTION INTRODUCTION BOX END WITHOUT CHAMFER

- Box end without chamfer increases the contact area with nuts, enhancing the torque of wrench.



Box End without Chamfer



Regular Box End



Box End without Chamfer

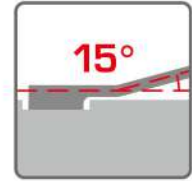


Regular Box End

Box end without chamfer fits all types of corrupted nuts.

**H-TYPE FLEX HEAD GEARTECH® DOUBLE BOX WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.
- **15° offset traditional box end** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.

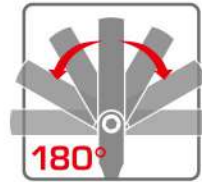


15° offset box end for knuckle clearance.



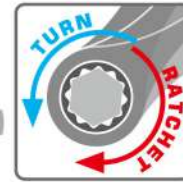
Revolution Box End

Regular Box End



180°

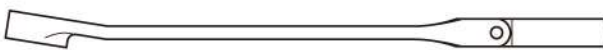
Flexible head tilts 180° at any interval with continuous head tension.



Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.



**H-TYPE FLEX HEAD GEARTECH® DOUBLE BOX WRENCH**



12 POINT

FXGT4HV  
**JAPAN EXCLUSIVE**

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 180° Flexible Ratchet Head  
12 Point Ratchet Ring / Box  
15° Offset Box End without Chamfer

| Size (mm) | Wt. (g) | L (mm) |
|-----------|---------|--------|
| 10        | 62      | 140    |
| 12        | 90      | 157    |
| 13        | 108     | 173    |
| 14        | 128     | 189    |
| 17        | 210     | 232    |

**FUNCTION INTRODUCTION BOX END WITHOUT CHAMFER**

- **Box end without chamfer** increases the contact area with nuts, enhancing the torque of wrench.



Contact Area  
Box End without Chamfer



Contact Area  
Regular Box End



Box End without Chamfer

Regular Box End

Box end without chamfer fits all types of corrupted nuts.

**FLEX HEAD GEARTECH® WRENCH ASSORTMENT**



**7pc Flex Head Geartech® Combination Wrench Set**  
Blow Mould Case + Label

**7pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** 8, 10, 12, 13, 14, 15, 18mm

**Flex Head Geartech® Combination Wrench Set**

Blow Mould Case + Color Sleeve

**13pc MM** 9pc Geartech® Combination Wrenches:

8, 10, 12, 13, 14, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**12pc MM** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**16pc MM** 12pc Geartech® Combination Wrenches:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter



**Flex Head Geartech® Combination Wrench Set**

ABS Holder + Label

**7pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (L) 10, 12, 13, 14, 15, 17, 19mm

**6pc SAE** (S) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

**6pc MM** (S) 10, 12, 13, 14, 15, 17mm

**5pc SAE** (S) 3/8", 7/16", 1/2", 9/16", 5/8"

**5pc MM** (S) 10, 12, 13, 14, 15mm

**FLEX HEAD GEARTECH® WRENCH ASSORTMENT**

**Flex Head Geartech® Combination Wrench Set**

PP Rack (PAT.P.) + Label

**13pc SAE** (XL) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

**12pc MM** (XL) 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**11pc SAE** (XL) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

**11pc MM** (XL) 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19mm

**10pc MM** (L) 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**9pc SAE** (L) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**9pc MM** (L) 10, 11, 12, 13, 14, 15, 16, 17, 19mm

**8pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** (L) 8, 10, 12, 13, 14, 15, 17, 19mm

**7pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (M) 8, 10, 12, 13, 14, 17, 19mm

**6pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

**6pc MM** (M) 8, 10, 12, 13, 14, 17mm

**5pc SAE** (M) 3/8", 7/16", 1/2", 9/16", 5/8"

**5pc MM** (M) 10, 12, 13, 14, 15mm

**5pc MM** (S) 8, 10, 13, 17, 19mm

**4pc SAE** (S) 3/8", 7/16", 1/2", 9/16"

**4pc MM** (S) 10, 12, 13, 14mm



**Flex Head Geartech® Combination Wrench Set**

PP Try Me Rack (PAT.P.) + Label

**7pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (M) 8, 10, 12, 13, 14, 17, 19mm

**6pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

**6pc MM** (M) 8, 10, 12, 13, 14, 17mm

**5pc SAE** (M) 3/8", 7/16", 1/2", 9/16", 5/8"

**5pc MM** (M) 10, 12, 13, 14, 15mm



**8pc Flex Head Geartech® Combination Wrench Set**

PP Rack + Label

**8pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** 8, 10, 11, 12, 13, 14, 17, 19mm

**FLEX HEAD GEARTECH® WRENCH ASSORTMENT**

**Flex Head Geartech® Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE (L)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM (L)** 8, 10, 12, 13, 14, 15, 17, 19mm (L)

**7pc SAE (S)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM (L)** 10, 12, 13, 14, 15, 17, 19mm

**5pc SAE (S)** 5/16", 3/8", 7/16", 1/2", 9/16"

**5pc MM (S)** 10, 12, 13, 14, 15mm

**5pc MM (L)** 8, 10, 13, 17, 19mm

**4pc SAE (S)** 3/8", 7/16", 1/2", 9/16"

**4pc MM (S)** 10, 12, 13, 14mm



**Flex Head Geartech® Double Box Wrench Set**

PP Try Me Tray + Cardboard + Label

**5pc MM (L)** 8x10, 10x11, 12x13, 14x15, 17x19mm

**4pc SAE (L)** 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"

**4pc MM (L)** 8x10, 12x13, 14x15, 17x19mm



**Flex Head Geartech®**

**Stubby Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE (LS)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM (LS)** 8, 10, 12, 13, 14, 15, 17, 19mm

**7pc SAE (LS)** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM (LS)** 10, 12, 13, 14, 15, 17, 19mm

**5pc MM (LS)** 8, 10, 13, 17, 19mm



**FLEX HEAD GEARTECH® WRENCH ASSORTMENT**

**13pc Flex Head Geartech® Combination Wrench Set**

PS Tray + Metal Case + Color Sleeve

**13pc MM** 10pc Flex Head Geartech® Combination Wrenches:

10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm



**7pc Flex Head Geartech® Combination Wrench Set**

PS Tray + Card + POF

**7pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** 8, 10, 12, 13, 14, 17, 19mm

**Flex Head Geartech® Combination Wrench Set**

EVA Tray + Cardboard + POF

EVA Tray + POF + Metal Case + Color Sleeve + POF

**8pc MM** 5pc Geartech® Combination Wrenches:

8, 10, 13, 17, 19mm

2pc Quick Release Adapters:

1/4" Dr x10mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**12pc MM** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**16pc MM** 12pc Geartech® Combination Wrenches:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

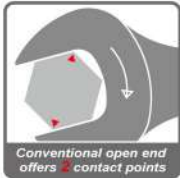
1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

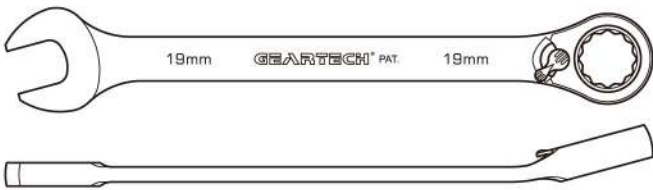


# REVERSIBLE GEARTECH® COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.



## REVERSIBLE GEARTECH® COMBINATION WRENCH



RGT5V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 15° Offset Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End



| Size (inch) | Wt. (g) | L (mm) | Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-------------|---------|--------|-----------|---------|--------|-----------|---------|--------|
| • 1/4       | 33      | 124    | • 1-1/8     | 960     | 425    | • 6       | 33      | 124    | 22        | 340     | 285    |
| • 9/32      | 32      | 124    | • 1-1/4     | 920     | 425    | • 7       | 32      | 124    | 23        | 335     | 285    |
| • 5/16      | 36      | 135    | • 1-3/8     | -       | 482    | • 8       | 36      | 135    | 24        | 480     | 325    |
| • 11/32     | 43      | 142    | • 1-7/16    | -       | 482    | • 9       | 43      | 142    | 25        | 470     | 325    |
| 3/8         | 58      | 158    | • 1-1/2     | -       | 482    | 10        | 56      | 158    | 26        | 465     | 325    |
| 7/16        | 73      | 167    |             |         |        | 11        | 69      | 167    | 27        | 630     | 359    |
| 1/2         | 100     | 179    |             |         |        | 12        | 77      | 173    | 28        | 635     | 359    |
| 9/16        | 121     | 189    |             |         |        | 13        | 101     | 179    | 30        | 940     | 425    |
| 5/8         | 163     | 215    |             |         |        | 14        | 119     | 189    | 32        | 900     | 425    |
| 11/16       | 193     | 232    |             |         |        | 15        | 135     | 199    | 34        | -       | 482    |
| 3/4         | 236     | 247    |             |         |        | 16        | 164     | 215    | 36        | 1486    | 482    |
| 13/16       | 350     | 285    |             |         |        | 17        | 195     | 232    | 38        | 1440    | 482    |
| 7/8         | 335     | 285    |             |         |        | 18        | 201     | 238    |           |         |        |
| 15/16       | 470     | 325    |             |         |        | 19        | 241     | 247    |           |         |        |
| 1"          | 465     | 325    |             |         |        | 20        | 345     | 285    |           |         |        |
| 1-1/16      | 635     | 359    |             |         |        | 21        | 345     | 285    |           |         |        |

Note: 1/4", 9/32", 5/16", 11/32", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

**REVERSIBLE GEARTECH® SPLINE BOX END WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- **Spline ratchet ring** works on all fastener types.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Reversible switch enables wrench to move in either direction.



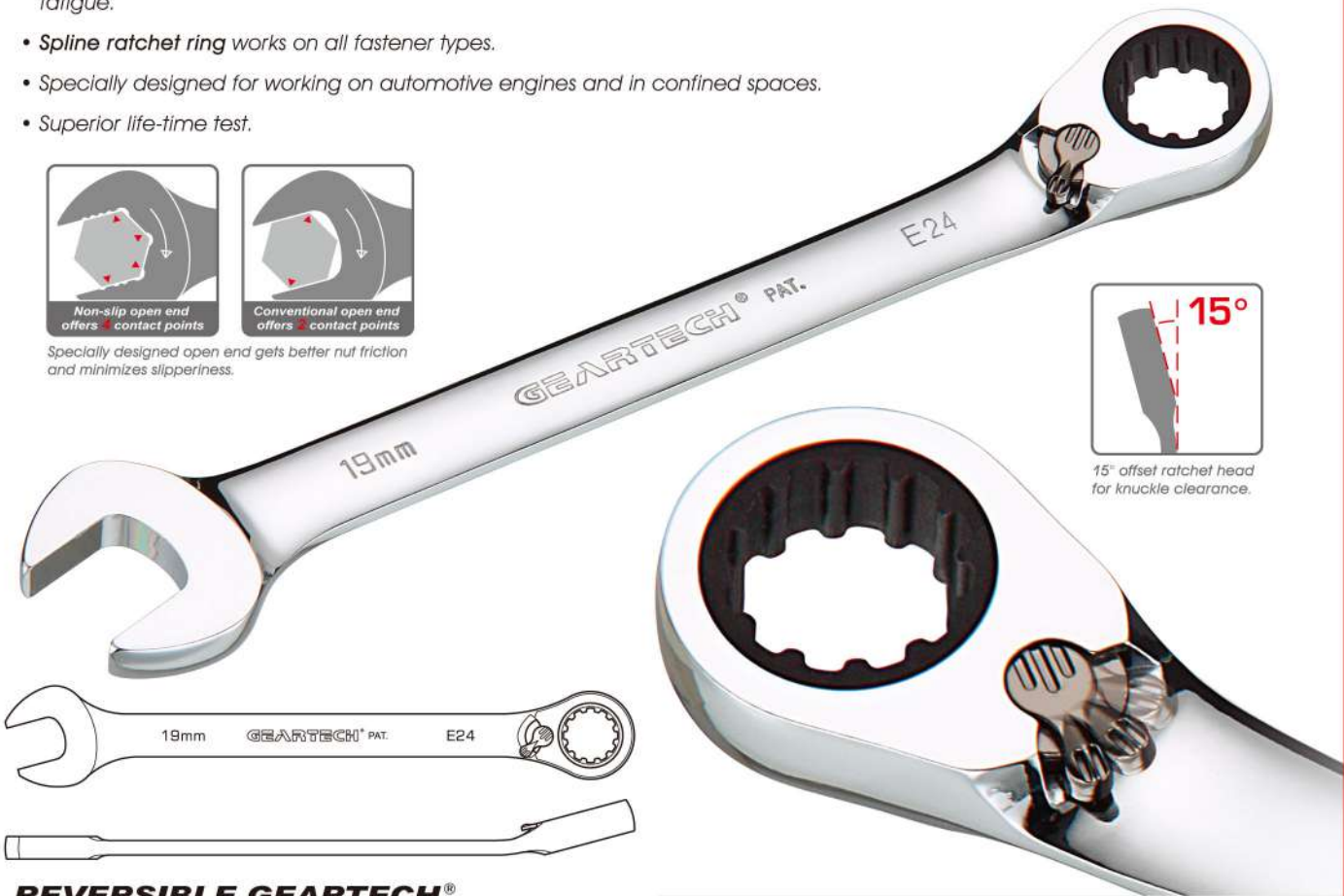
5° space requirement for each turn.



Specially designed open end gets better nut friction and minimizes slipperiness.



15° offset ratchet head for knuckle clearance.



**REVERSIBLE GEARTECH® SPLINE BOX END WRENCH**



RGT5SPV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 Spline Ratchet Ring  
 Regular / Non-slip Open End

| Size (inch/star) | Wt. (g) | L (mm) | Size (mm/star) | Wt. (g) | L (mm) |
|------------------|---------|--------|----------------|---------|--------|
| 5/16 E10         | 36      | 135    | 8 E10          | 36      | 135    |
| 3/8 E12          | 58      | 158    | 9 X            | 43      | 142    |
| 7/16 E14         | 73      | 167    | 10 E12         | 56      | 158    |
| 1/2 E16          | 100     | 179    | 11 E14         | 69      | 167    |
| 9/16 E18         | 121     | 189    | 12 X           | 77      | 173    |
| 5/8 E20          | 163     | 215    | 13 E16         | 101     | 179    |
| 11/16 E22        | 193     | 232    | 14 E18         | 119     | 189    |
| 3/4 E24          | 236     | 247    | 15 X           | 135     | 199    |
| 13/16 X          | 350     | 285    | 16 E20         | 164     | 215    |
| 7/8 E28          | 335     | 285    | 17 E22         | 195     | 232    |
|                  |         |        | 18 X           | 201     | 238    |
|                  |         |        | 19 E24         | 241     | 247    |
|                  |         |        | 21 X           | 345     | 285    |
|                  |         |        | 22 E28         | 340     | 285    |

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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**COMPARATIVE TABLE**

**AVAILABLE SIZES OF DIFFERENT FASTENERS**

- Spline box works on all fastener types.



| Size (mm/inch) | Size (mm/inch) | Size (mm) | Size (star) |
|----------------|----------------|-----------|-------------|
| 8 5/16         | 7 9/32         | 8         | E10         |
| 9 11/32        | 8 5/16         | 9         | X           |
| 10 3/8         | X 11/32        | 10        | E12         |
| 11 7/16        | 9 3/8          | 11        | E14         |
| 12 15/32       | 10 13/32       | 12        | X           |
| 13 1/2         | 11 7/16        | 13        | E16         |
| 14 9/16        | 12 15/32       | 14        | E18         |
| 15 19/32       | X 1/2          | 15        | X           |
| 16 5/8         | 13 17/32       | 16        | E20         |
| 17 11/16       | 14 9/16        | 17        | E22         |
| 18 X           | 15 19/32       | 18        | X           |
| 19 3/4         | 16 5/8         | 19        | E24         |
| 21 13/16       | 18 11/16       | 21        | X           |
| 22 7/8         | 19 3/4         | 22        | E28         |

**NEW INNOVATION RATCHET  
REVERSIBLE GEARTECH® DIPHYLLEIA BOX END WRENCH**

- The diphylleia Geartech® box design reduces the space of touching areas. Hence, it helps to lessen the occurrence of round off nuts.
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



5° space requirement for each turn.



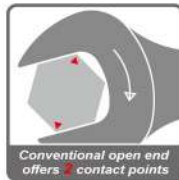
Reversible switch enables wrench to move in either direction.



15° offset ratchet head for knuckle clearance.

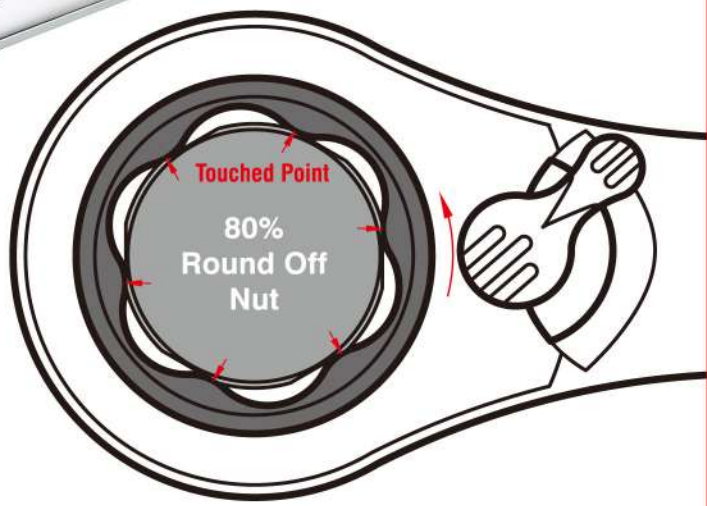


Non-slip open end offers 2 contact points

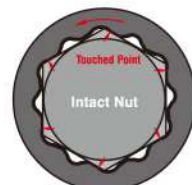


Conventional open end offers 1 contact point

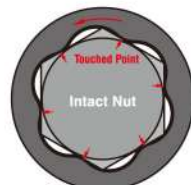
Specially designed open end gets better nut friction and minimizes slipperiness.



**UP TO 80% ROUND OFF NUTS**



STANDARD



DIPHYLLEIA BOX DESIGN



| NUT BOLT STATUS | DIPHYLLEIA BOX DESIGN |                       |
|-----------------|-----------------------|-----------------------|
|                 | STANDARD              | DIPHYLLEIA BOX DESIGN |
| Intact          | ✓                     | ✓                     |
| 30% Round Off   | ✗                     | ✓                     |
| 65% Round Off   | ✗                     | ✓                     |
| 80% Round Off   | ✗                     | ✓                     |

**REVERSIBLE GEARTECH®  
DIPHYLLEIA BOX END WRENCH**



RGT5SBV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 15° Offset Ratchet Head  
Diphylleia Ratchet Ring  
Regular / Non-slip Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 5/16      | 36      | 135    | • 8       | 36      | 135    |
| 3/8         | 58      | 158    | • 9       | 43      | 142    |
| 7/16        | 73      | 167    | 10        | 56      | 158    |
| 1/2         | 100     | 179    | 11        | 69      | 167    |
| 9/16        | 121     | 189    | 12        | 77      | 173    |
| 5/8         | 163     | 215    | 13        | 101     | 179    |
| 11/16       | 193     | 232    | 14        | 119     | 189    |
| 3/4         | 236     | 247    | 15        | 135     | 199    |
|             |         |        | 16        | 164     | 215    |
|             |         |        | 17        | 195     | 232    |
|             |         |        | 18        | 201     | 238    |
|             |         |        | 19        | 241     | 247    |

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

**REVERSIBLE GEARTECH® SPEEDY OPEN END WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- **Speedy open end & ratchet head** allows wrench to travel without removing from fastener.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



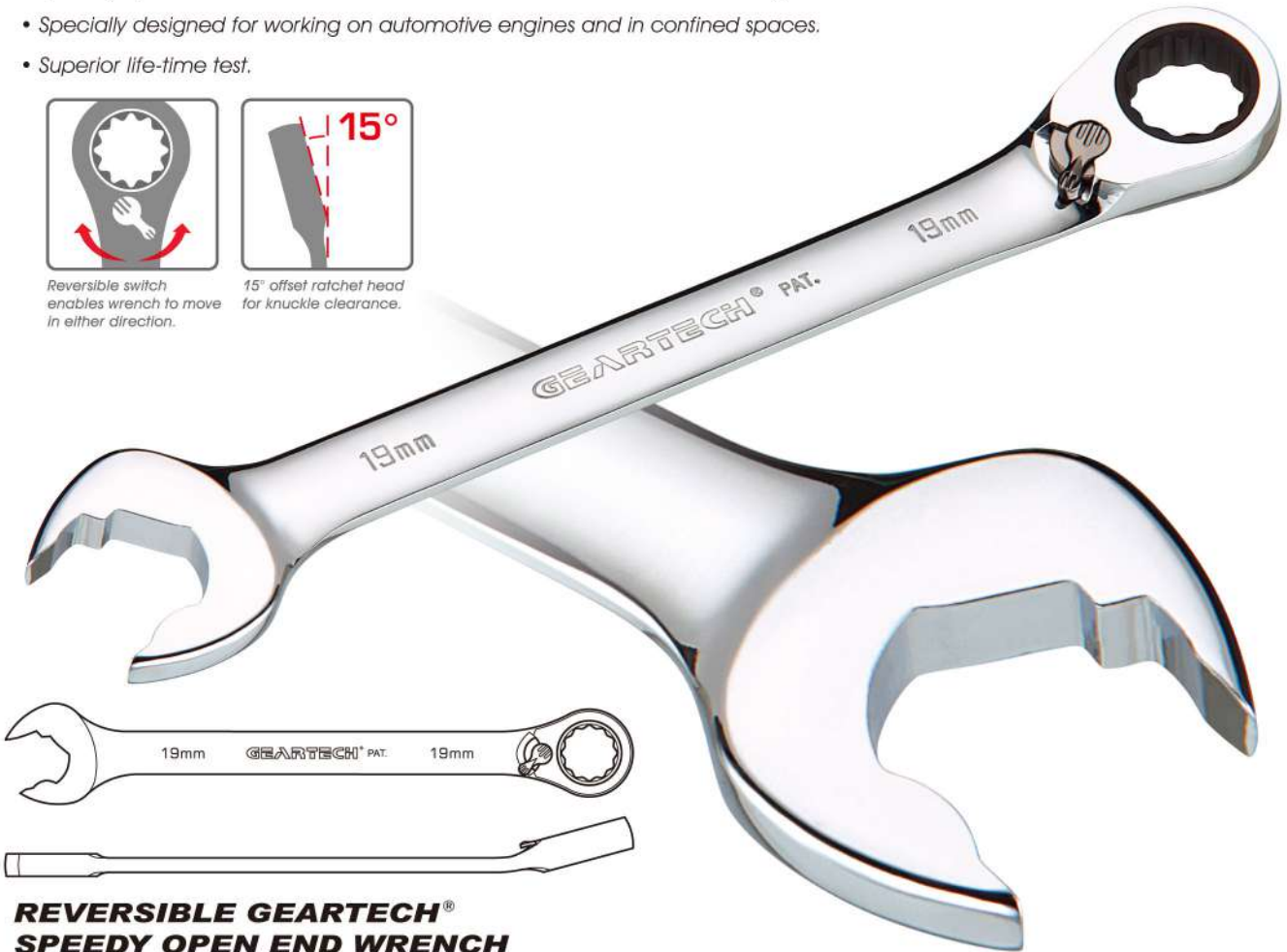
5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



15° offset ratchet head for knuckle clearance.



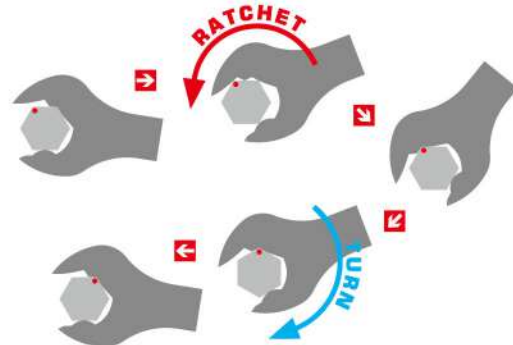
**REVERSIBLE GEARTECH® SPEEDY OPEN END WRENCH**



RGT5Q2V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 15° Offset Ratchet Head  
 12 Point / Spline Ratchet Ring  
 Speedy Open End

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 33      | 135    | 8         | 33      | 135    |
| 3/8         | 56      | 159    | 9         | 44      | 142    |
| 7/16        | 70      | 167    | 10        | 56      | 158    |
| 1/2         | 97      | 179    | 11        | 70      | 167    |
| 9/16        | 118     | 189    | 12        | 84      | 173    |
| 5/8         | 163     | 215    | 13        | 97      | 179    |
| 11/16       | 198     | 232    | 14        | 118     | 189    |
| 3/4         | 239     | 247    | 15        | 139     | 199    |
|             |         |        | 16        | 163     | 215    |
|             |         |        | 17        | 198     | 232    |
|             |         |        | 18        | 204     | 238    |
|             |         |        | 19        | 239     | 247    |



Speedy open end allows wrench to travel without removing from fastener.

Note: 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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**REVERSIBLE GEARTECH® STUBBY COMBINATION WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



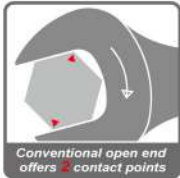
5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



Non-slip open end offers 2 contact points

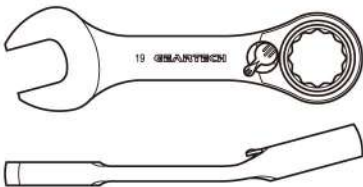


Conventional open end offers 1 contact points

Specially designed open end gets better nut friction and minimizes slipperiness.



15° offset ratchet head for knuckle clearance.



**6pc Reversible Geartech® Stubby Combination Wrench Set**

PS Tray + Card + POF

6pc MM 8, 10, 12, 13, 14, 15mm



**10pc Reversible Geartech® Stubby Combination Wrench Set**

PVC Double Blister + Label

10pc MM 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**REVERSIBLE GEARTECH® STUBBY COMBINATION WRENCH**



RGT2SSNV

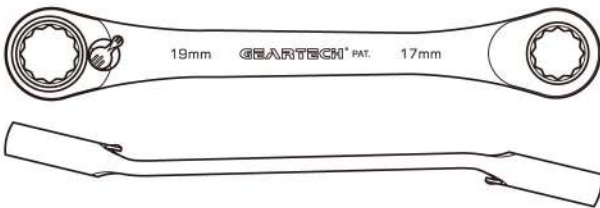
Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 15° Offset Ratchet Head  
 12 Point Ratcheting Ring  
 Regular / Non-slip Open End  
 Stubby Panel

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 1/4       | 30      | 90     | • 6       | 30      | 90     |
| • 5/16      | 29      | 90     | • 7       | 30      | 90     |
| 3/8         | 42      | 95     | • 8       | 28      | 90     |
| 7/16        | 49      | 102    | • 9       | 43      | 95     |
| 1/2         | 69      | 107    | 10        | 40      | 95     |
| 9/16        | 87      | 114    | 11        | 49      | 102    |
| 5/8         | 112     | 122    | 12        | 59      | 105    |
| 11/16       | 132     | 126    | 13        | 69      | 107    |
| 3/4         | 165     | 138    | 14        | 87      | 114    |
|             |         |        | 15        | 98      | 118    |
|             |         |        | 16        | 111     | 122    |
|             |         |        | 17        | 133     | 126    |
|             |         |        | 18        | 145     | 130    |
|             |         |        | 19        | 165     | 138    |

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

**REVERSIBLE GEARTECH® DOUBLE BOX WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



**REVERSIBLE GEARTECH®  
DOUBLE BOX WRENCH**



RGT2BXV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 15° Offset Ratchet Head  
12 Point Ratchet Ring

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 5/16x3/8  | 51      | 127    | • 8x9     | 51      | 127    |
| 3/8x7/16    | 68      | 148    | • 8x10    | 48      | 127    |
| 7/16x1/2    | 102     | 168    | 10x11     | 69      | 148    |
| 9/16x5/8    | 150     | 188    | 10x13     | 104     | 168    |
| 11/16x3/4   | 232     | 227    | 11x13     | 102     | 168    |
|             |         |        | 12x13     | 103     | 168    |
|             |         |        | 14x15     | 151     | 188    |
|             |         |        | 14x16     | 145     | 188    |
|             |         |        | 16x18     | 234     | 227    |
|             |         |        | 17x19     | 233     | 227    |



5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



15° offset ratchet head for knuckle clearance.

**Note:** 5/16", 8mm & 9mm utilize 60 teeth ratchet mechanism.

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**4-IN-1 REVERSIBLE GEARTECH® DOUBLE BOX WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- Each wrench fits **4 sizes**.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



5° space requirement for each turn.



**4-IN-1 REVERSIBLE GEARTECH® DOUBLE BOX WRENCH**



4IN1DV

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 Each Long Ratchet Ring Fits 2 Sizes



| L/Size (inch) | R/Size (inch) | Wt. (g) | L (mm) |
|---------------|---------------|---------|--------|
| 7/16x1/2      | 5/16x3/8      | 100     | 160    |
| 11/16x3/4     | 9/16x5/8      | 268     | 230    |

| L/Size (mm) | R/Size (mm) | Wt. (g) | L (mm) |
|-------------|-------------|---------|--------|
| 11x13       | 8x10        | 97      | 160    |
| 12x13       | 8x10        | 97      | 160    |
| 12x15       | 8x9         | 125     | 180    |
| 14x15       | 9x11        | 125     | 180    |
| 17x19       | 10x13       | 212     | 210    |
| 17x19       | 10x13       | 285     | 230    |
| 17x19       | 14x16       | 263     | 230    |
| 18x19       | 16x17       | 264     | 230    |



Reversible switch enables wrench to move in either direction.

**12-IN-1 REVERSIBLE GEARTECH® DOUBLE BOX WRENCH**

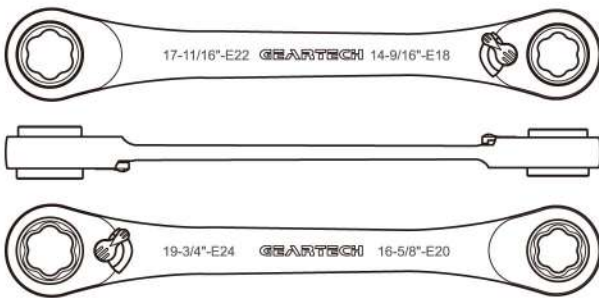
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- Each wrench fits **12 sizes**.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



**COMPARATIVE TABLE  
AVAILABLE SIZES OF DIFFERENT FASTENERS**

- 2 pieces wrenches work on 24 Different Fasteners.



| 6 POINT   | STAR        |             |
|-----------|-------------|-------------|
| Size (mm) | Size (inch) | Size (star) |
| 8         | 5/16        | E10         |
| 10        | 3/8         | E12         |
| 11        | 7/16        | E14         |
| 13        | 1/2         | E16         |
| 14        | 9/16        | E18         |
| 16        | 5/8         | E20         |
| 17        | 11/16       | E22         |
| 19        | 3/4         | E24         |

**12-IN-1 REVERSIBLE GEARTECH®  
DOUBLE BOX WRENCH**



12IN1DV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | Flat Offset Ratchet Head  
Each Long Ratchet Ring Fits 6 Sizes (Metric x2, SAE x2, Star x2)

| Left      |             |             | Right     |             |             | Wt. (g) | L (mm) |
|-----------|-------------|-------------|-----------|-------------|-------------|---------|--------|
| Size (mm) | Size (inch) | Size (star) | Size (mm) | Size (inch) | Size (star) |         |        |
| 11x13     | 7/16x1/2    | E14xE16     | 8x10      | 5/16x3/8    | E10xE12     | 100     | 160    |
| 17x19     | 11/16x3/4   | E22xE24     | 10x13     | 3/8x1/2     | E12xE16     | 285     | 230    |
| 17x19     | 11/16x3/4   | E22xE24     | 14x16     | 9/16x5/8    | E18xE20     | 269     | 230    |

**28-IN-1 REVERSIBLE GEARTECH® DOUBLE BOX WRENCH**

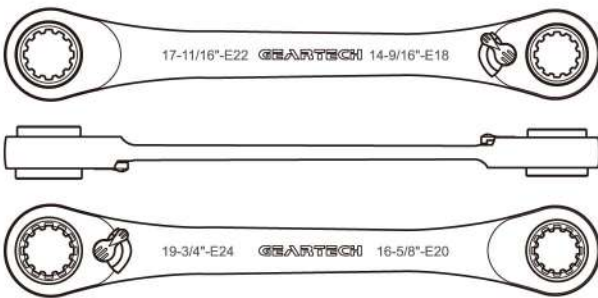
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- Each wrench fits **more than 28 sizes**.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



**COMPARATIVE TABLE  
AVAILABLE SIZES OF DIFFERENT FASTENERS**

• 2 pieces wrenches work on 63 Different Fasteners.



| Size (mm/inch) | Size (mm/inch) | Size (mm) | Size (star) |
|----------------|----------------|-----------|-------------|
| 8 5/16         | 7 9/32         | 8         | E10         |
| 10 3/8         | × 11/32        | 10        | E12         |
| 11 7/16        | 9 3/8          | 11        | E14         |
| 12 15/32       | 10 13/2        | 12        | ×           |
| 13 1/2         | 11 7/16        | 13        | E16         |
| 14 9/16        | 12 15/32       | 14        | E18         |
| 16 5/8         | 13 17/32       | 16        | E20         |
| 17 11/16       | 14 9/16        | 17        | E22         |
| 19 3/4         | 16 5/8         | 19        | E24         |

**28-IN-1 REVERSIBLE GEARTECH®  
DOUBLE BOX WRENCH**



28IN1DV

Material | Chrome Vanadium Steel  
Surface | Mirror | Matt | Micro Satin Finish  
Feature | Flat Offset Ratchet Head

Each Long Ratchet Ring Fits More than 14 Sizes

| Left      |             |             | Right     |             |             | Wt. (g) | L (mm) |
|-----------|-------------|-------------|-----------|-------------|-------------|---------|--------|
| Size (mm) | Size (inch) | Size (star) | Size (mm) | Size (inch) | Size (star) |         |        |
| 11x13     | 7/16x1/2    | E14xE16     | 8x10      | 5/16x3/8    | E10xE12     | 97      | 160    |
| 12x13     | ×           | ×           | 8x10      | ×           | ×           | 97      | 160    |
| 17x19     | 11/16x3/4   | E22xE24     | 14x16     | 9/16x5/8    | E18xE20     | 252     | 230    |

**REVERSIBLE GEARTECH® BIT DRIVER WRENCH**

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **Reversible switch** enables ratchet to move in either direction.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



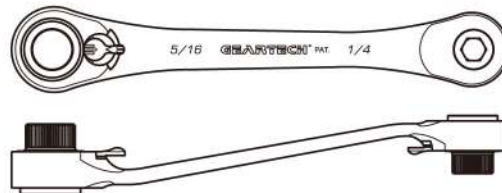
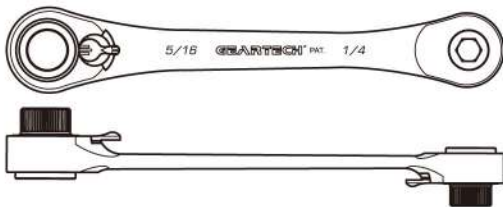
6° space requirement for each turn.



5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



**REVERSIBLE GEARTECH® OFFSET DOUBLE BIT DRIVER WRENCH**

MEETS OR EXCEEDS  
**A.N.S.I. STANDARDS** **HEX**

BDWW

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 60 / 72 Teeth  
15° Offset Ratchet Bit Driver



15° offset ratchet head for knuckle clearance.

| Size (inch) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| • 1/4x5/16  | 64      | 128    |

**Note:** 1/4" hex bit driver utilize 60 teeth ratchet mechanism.

**REVERSIBLE GEARTECH® DOUBLE BIT DRIVER WRENCH**

MEETS OR EXCEEDS  
**A.N.S.I. STANDARDS** **HEX**

BDV

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 60 / 72 Teeth  
Flat Offset Ratchet Bit Driver

| Size (inch) | Wt. (g) | L (mm) |
|-------------|---------|--------|
| • 1/4x5/16  | 64      | 128    |

**Note:** 1/4" hex bit driver utilize 60 teeth ratchet mechanism.



**REVERSIBLE GEARTECH® BIT DRIVER WRENCH**

MEETS OR EXCEEDS  
**A.N.S.I. STANDARDS** **HEX**

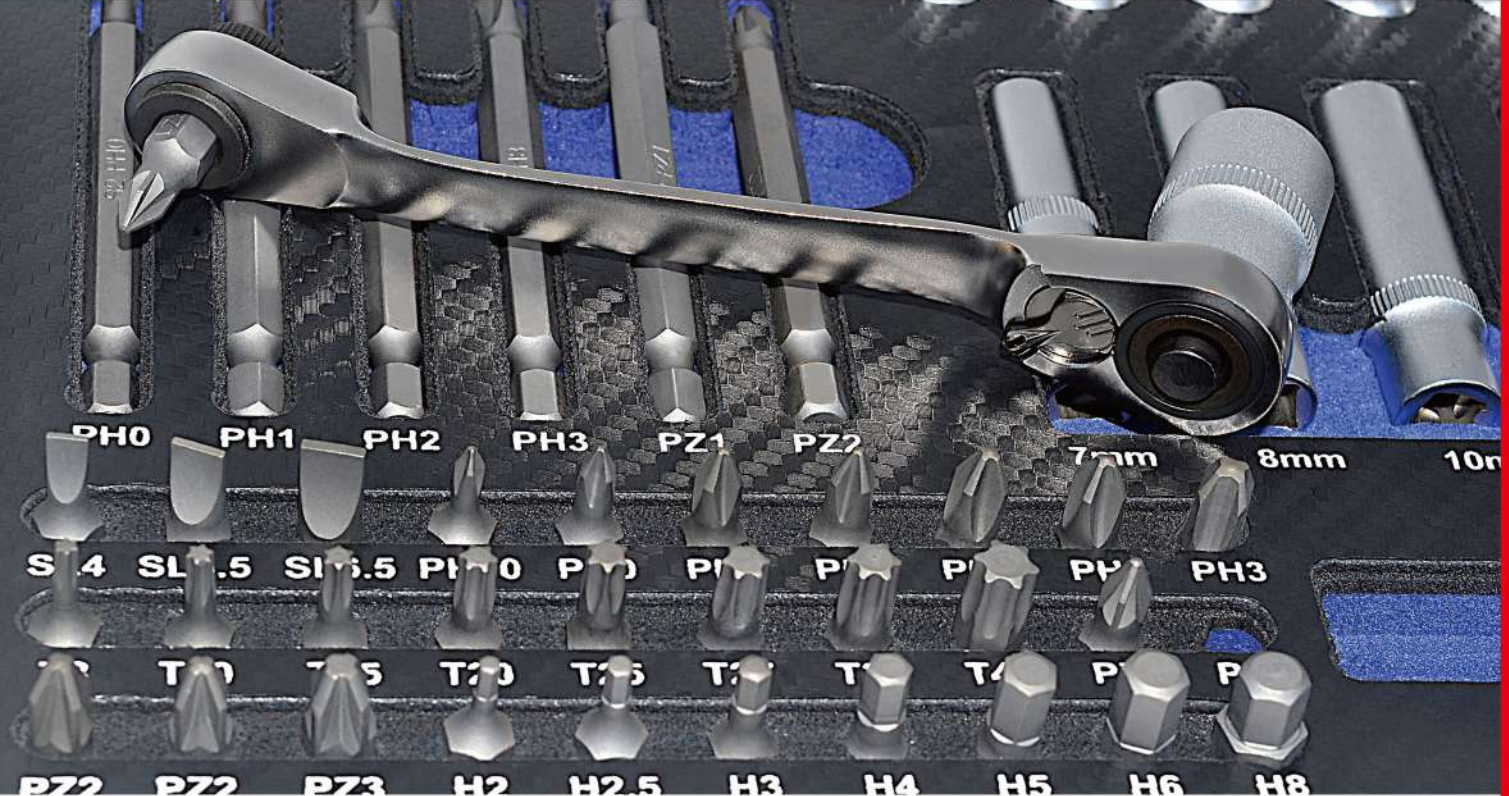
BD2V

Material | Chrome Vanadium Steel  
Surface | Mirror / Matt / Micro Satin Finish  
Feature | 52 Teeth  
Flat Offset Ratchet Bit Driver

| Size (inch)  | Wt. (g) | L (mm) |
|--------------|---------|--------|
| 1/4 (6.35mm) | 36      | 90     |



**OFFSET RATCHET & BIT DRIVER COMBINATION**



- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Works with 1/4" drive sockets and 1/4" hex bits.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



15° offset ratchet head for knuckle clearance.



6° space requirement for each turn.



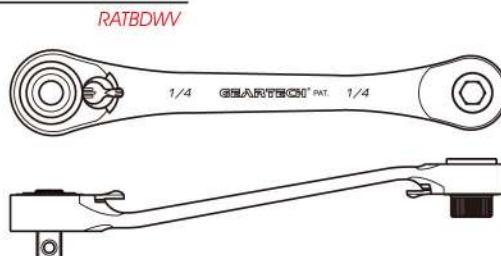
5° space requirement for each turn.

**OFFSET RATCHET & BIT DRIVER COMBINATION**



Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 60 / 72 Teeth  
 15° Offset Ratchet Head

| Drive (Inch) | Hex (Inch)   | Wt. (g) | L (mm) |
|--------------|--------------|---------|--------|
| 1/4 (6.35mm) | 1/4 (6.35mm) | 66      | 128    |



Reversible switch enables ratchet handle to move in either direction.

**Note:** 1/4" hex bit driver utilize 60 teeth ratchet mechanism.

**REVERSIBLE GEARTECH® WRENCH ASSORTMENT**



**7pc Reversible Geartech® Combination Wrench Set**

Blow Mould Case + Label

**7pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** 8, 10, 12, 13, 14, 15, 18mm

**Reversible Geartech® Combination Wrench Set**

Blow Mould Case + Color Sleeve

**8pc MM** 8, 10, 12, 13, 15, 17, 18, 19mm

**12pc MM** 8pc Reversible Geartech® Combination Wrenches:

8, 10, 12, 13, 15, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**12pc MM** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**16pc MM** 12pc Reversible Geartech® Combination Wrenches:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter



**Reversible Geartech® Combination Wrench Set**

EVA Tray + Cardboard + POF

EVA Tray + POF + Metal Case + Color Sleeve + POF

**8pc MM** 5pc Reversible Geartech® Combination Wrenches:

8, 10, 13, 17, 19mm

2pc Quick Release Adapters:

1/4" Dr x10mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

**12pc MM** 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

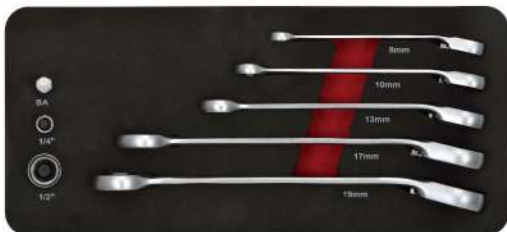
**16pc MM** 12pc Reversible Geartech® Combination Wrenches:

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

3pc Quick Release Adapters:

1/4" Dr x10mm, 3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter



**REVERSIBLE GEARTECH® WRENCH ASSORTMENT**

**REVERSIBLE**

**8pc Reversible Geartech® Combination Wrench Set**

PP Rack + Label

**8pc SAE** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** 8, 10, 11, 12, 13, 14, 17, 19mm



**15pc 12-in-1 Reversible Geartech® Double Box Wrench Set**

PVC Double Blister + Card

Content 2pc 12-in-1 Reversible Geartech® Double Box Wrenches:

● 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

● 8, 10, 11, 13, 14, 16, 17, 19mm

★ E10, E12, E14, E16, E18, E20, E22, E24

2pc Adapters: 1/4" Dr x10mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

10pc 1/4" Hex 1"(L) Bits

**TRADITIONAL**

**17pc Metric Go Through Socket Set**

PVC Tray + Metal Case + Color Box

**17pc MM** 1pc 10x13-17x19mm 4-in-1 Reversible Geartech® Double Box Wrench

8pc Metric Go Through Sockets:

8, 9, 11, 12, 14, 15, 16, 18mm

2pc Go Through Extension Bars:

50mm, 100mm

3pc Adapters: 1/4" Dr x10mm,

3/8" Dr x13mm, 1/2" Dr x19mm

1pc 1/4" Hex x10mm Bit Adapter

2pc 1/4" Hex 1"(L) Bits: PH2, T20



**MECHANIC**

**REVERSIBLE GEARTECH® WRENCH ASSORTMENT**

REVERSIBLE

TRADITIONAL

MECHANIC

**Reversible Geartech® Combination Wrench Set**

PP Rack (PAT.P) + Label

**13pc SAE** (XL) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"

**12pc MM** (XL) 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**11pc SAE** (XL) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8"

**11pc MM** (XL) 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19mm

**10pc MM** (L) 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm

**9pc SAE** (L) 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**9pc MM** (L) 10, 11, 12, 13, 14, 15, 16, 17, 19mm

**8pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** (L) 8, 10, 12, 13, 14, 15, 17, 19mm

**7pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (M) 8, 10, 12, 13, 14, 17, 19mm

**6pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

**6pc MM** (M) 8, 10, 12, 13, 14, 17mm

**5pc SAE** (M) 3/8", 7/16", 1/2", 9/16", 5/8"

**5pc MM** (M) 10, 12, 13, 14, 15mm

**5pc MM** (S) 8, 10, 13, 17, 19mm

**4pc SAE** (S) 3/8", 7/16", 1/2", 9/16"

**4pc MM** (S) 10, 12, 13, 14mm



**Reversible Geartech® Combination Wrench Set**

PP Try Me Rack (PAT.P) + Label

**7pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (M) 8, 10, 12, 13, 14, 17, 19mm

**6pc SAE** (M) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8"

**6pc MM** (M) 8, 10, 12, 13, 14, 17mm

**5pc SAE** (M) 3/8", 7/16", 1/2", 9/16", 5/8"

**5pc MM** (M) 10, 12, 13, 14, 15mm



**Reversible Geartech® Double Box Wrench Set**

PP Rack (PAT.P) + Label

**6pc MM** (M) 8x9, 10x11, 12x13, 14x15, 16x18, 17x19mm

**5pc MM** (S) 8x10, 10x11, 12x13, 14x15, 17x19mm

**4pc SAE** (S) 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"

**4pc MM** (S) 8x10, 12x13, 14x15, 17x19mm



**REVERSIBLE GEARTECH® WRENCH ASSORTMENT**

**Reversible Geartech® Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** (L) 8, 10, 12, 13, 14, 15, 17, 19mm (L)

**7pc SAE** (L) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (L) 10, 12, 13, 14, 15, 17, 19mm

**5pc SAE** (S) 5/16", 3/8", 7/16", 1/2", 9/16"

**5pc MM** (S) 10, 12, 13, 14, 15mm

**5pc MM** (L) 8, 10, 13, 17, 19mm

**4pc SAE** (S) 3/8", 7/16", 1/2", 9/16"

**4pc MM** (S) 10, 12, 13, 14mm



**Reversible Geartech® Double Box Wrench Set**

PP Try Me Tray + Cardboard + Label

**5pc MM** (L) 8x10, 10x11, 12x13, 14x15, 17x19mm

**4pc SAE** (L) 5/16"x3/8", 7/16"x1/2", 9/16"x5/8", 11/16"x3/4"

**4pc MM** (L) 8x10, 12x13, 14x15, 17x19mm



**Reversible Geartech®**

**Stubby Combination Wrench Set**

PP Try Me Tray + Cardboard + Label

**8pc SAE** (LS) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8pc MM** (LS) 8, 10, 12, 13, 14, 15, 17, 19mm

**7pc SAE** (LS) 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 3/4"

**7pc MM** (LS) 10, 12, 13, 14, 15, 17, 19mm

**5pc MM** (LS) 8, 10, 13, 17, 19mm



**REVERSIBLE GEARTECH® WRENCH ASSORTMENT**

**REVERSIBLE**

**TRADITIONAL**

**MECHANIC**



**2pc 4-in-1 Reversible Geartech® Double Box Wrench Set**

PVC Single Blister + Cardboard

**8 SAE Sizes** 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

**8 MM Sizes** 8, 10, 12, 13, 16, 17, 18, 19mm



**2pc 12-in-1 Reversible Geartech® Double Box Wrench Set**

PVC Single Blister + Cardboard

**24 Sizes** ● 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

● 8, 10, 11, 13, 14, 16, 17, 19mm

★ E10, E12, E14, E16, E18, E20, E22, E24

**2x 28-in-1 Reversible Geartech® Double Box Wrench Set**

PVC Single Blister + Cardboard

**63 Sizes** ● 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"

● 8, 10, 11, 13, 14, 16, 17, 19mm

★ E10, E12, E14, E16, E18, E20, E22, E24

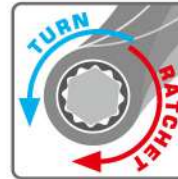
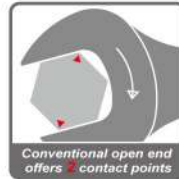
■ 9/32", 11/32", 3/8", 7/16", 15/32", 17/32", 9/16", 5/8"

■ 7, 9, 11, 12, 13, 14, 16mm



# PROGEAR® SHORT COMBINATION WRENCH

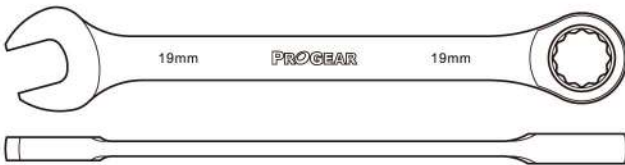
- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- Specially designed for working on automotive engines and in confined spaces.
- Small head profile.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.

Ratchet head allows wrench to travel without removing from fastener.

5° space requirement for each turn.



## PROGEAR® SHORT COMBINATION WRENCH



GT6V

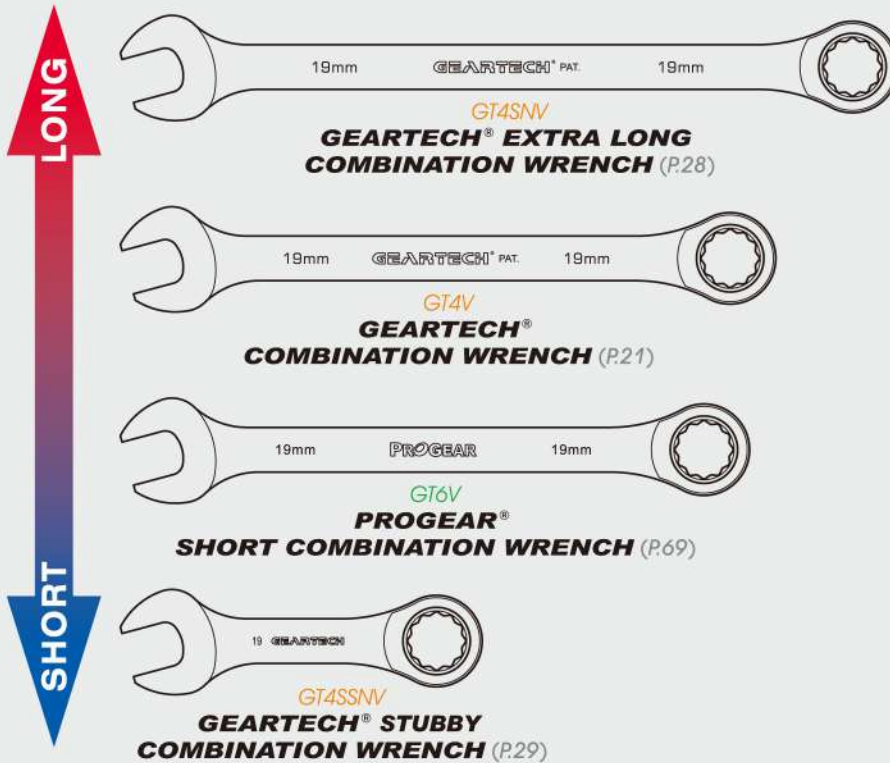
Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | Flat Offset Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End  
 Short Length Panel

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| • 1/4       | 28      | 107    | • 6       | 28      | 107    |
| • 5/16      | 27      | 107    | • 7       | 27      | 107    |
| 3/8         | 55      | 140    | • 8       | 27      | 107    |
| 7/16        | 68      | 148    | • 9       | 36      | 117    |
| 1/2         | 96      | 165    | 10        | 49      | 140    |
| 9/16        | 114     | 178    | 11        | 67      | 148    |
| 5/8         | 158     | 195    | 12        | 72      | 160    |
| 11/16       | 193     | 208    | 13        | 84      | 165    |
| 3/4         | 252     | 240    | 14        | 118     | 178    |
|             |         |        | 15        | 139     | 195    |
|             |         |        | 16        | 158     | 195    |
|             |         |        | 17        | 180     | 208    |
|             |         |        | 18        | 212     | 235    |
|             |         |        | 19        | 229     | 240    |

Note: 1/4", 5/16", 6mm, 7mm, 8mm & 9mm utilize 60 teeth ratchet mechanism.

# LENGTH WISE | RATCHET COMBINATION WRENCH

• Choose appropriate length when using in different space.

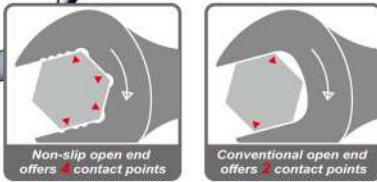


|                    | GT4SNV        | GT4V          | GT6V          | GT4SSNV       |
|--------------------|---------------|---------------|---------------|---------------|
| <b>Size (inch)</b> | <b>L (mm)</b> | <b>L (mm)</b> | <b>L (mm)</b> | <b>L (mm)</b> |
| 1/4                |               | 136           | 107 (-21.3%)  |               |
| 5/16               | 150 (+10.3%)  | 136           | 107 (-21.3%)  | 88 (-35.3%)   |
| 3/8                | 180 (+12.5%)  | 160           | 140 (-12.5%)  | 96 (-40.0%)   |
| 7/16               | 195 (+16.1%)  | 168           | 148 (-11.9%)  | 100 (-40.5%)  |
| 1/2                | 220 (+22.2%)  | 180           | 165 (-8.3%)   | 108 (-40.0%)  |
| 9/16               | 235 (+21.8%)  | 193           | 178 (-7.8%)   | 114 (-40.9%)  |
| 5/8                | 260 (+20.4%)  | 216           | 195 (-9.7%)   | 122 (-43.5%)  |
| 11/16              | 275 (+18.0%)  | 233           | 208 (-10.7%)  | 128 (-44.1%)  |
| 3/4                | 305 (+22.0%)  | 250           | 240 (-4.0%)   | 138 (-44.8%)  |
| 13/16              | 330 (+15.8%)  | 285           |               |               |
| 7/8                | 330 (+15.8%)  | 285           |               |               |
| 15/16              | 355 (+9.2%)   | 325           |               |               |
| 1"                 | 355 (+9.2%)   | 325           |               |               |
| 1-1/16             |               | 359           |               |               |
| 1-1/8              |               | 425           |               |               |
| 1-1/4              |               | 425           |               |               |
| 1-3/8              |               | 482           |               |               |
| 1-7/16             |               | 482           |               |               |
| 1-1/2              |               | 482           |               |               |
| 1-5/8              |               | 550           |               |               |
| 1-13/16            |               | 640           |               |               |
| 1-7/8              |               | 640           |               |               |
| 2"                 |               | 640           |               |               |

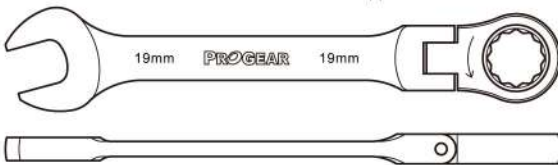
|                  | GT4SNV        | GT4V          | GT6V          | GT4SSNV       |
|------------------|---------------|---------------|---------------|---------------|
| <b>Size (mm)</b> | <b>L (mm)</b> | <b>L (mm)</b> | <b>L (mm)</b> | <b>L (mm)</b> |
| 6                |               | 136           | 107 (-21.3%)  |               |
| 7                |               | 136           | 107 (-21.3%)  |               |
| 8                | 150 (+10.3%)  | 136           | 107 (-21.3%)  | 88 (-35.3%)   |
| 9                | 165 (+15.4%)  | 143           | 117 (-21.3%)  | 96 (-32.9%)   |
| 10               | 180 (+12.5%)  | 160           | 140 (-12.5%)  | 96 (-40.0%)   |
| 11               | 195 (+16.1%)  | 168           | 148 (-11.9%)  | 100 (-40.5%)  |
| 12               | 207 (+19.0%)  | 174           | 160 (-8.0%)   | 104 (-40.2%)  |
| 13               | 220 (+22.2%)  | 180           | 165 (-8.3%)   | 108 (-40.0%)  |
| 14               | 235 (+21.8%)  | 193           | 178 (-7.8%)   | 114 (-40.9%)  |
| 15               | 250 (+25.0%)  | 200           | 195 (-2.5%)   | 118 (-41.0%)  |
| 16               | 260 (+20.4%)  | 216           | 195 (-9.7%)   | 122 (-43.5%)  |
| 17               | 275 (+18.0%)  | 233           | 208 (-10.7%)  | 128 (-44.1%)  |
| 18               | 290 (+21.3%)  | 239           | 235 (-1.7%)   | 132 (-44.8%)  |
| 19               | 305 (+22.0%)  | 250           | 240 (-4.0%)   | 138 (-44.8%)  |
| 20               | 330 (+15.8%)  | 285           |               |               |
| 21               | 330 (+15.8%)  | 285           |               |               |
| 22               | 330 (+15.8%)  | 285           |               |               |
| 23               | 330 (+15.8%)  | 285           |               |               |
| 24               | 355 (+9.2%)   | 325           |               |               |
| 25               | 355 (+9.2%)   | 325           |               |               |
| 26               | 355 (+9.2%)   | 325           |               |               |
| 27               |               | 359           |               |               |
| 28               |               | 359           |               |               |
| 30               |               | 425           |               |               |
| 32               |               | 425           |               |               |
| 34               |               | 482           |               |               |
| 36               |               | 482           |               |               |
| 38               |               | 482           |               |               |
| 41               |               | 550           |               |               |
| 46               |               | 640           |               |               |
| 50               |               | 640           |               |               |

# FLEX HEAD PROGEAR® SHORT COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Flexible head** tilts 180° at any interval with continuous head tension.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



Specially designed open end gets better nut friction and minimizes slipperiness.



## FLEX HEAD PROGEAR® SHORT COMBINATION WRENCH



FXGT6V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 180° Flexible Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End  
 Short Length Panel

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 39      | 136    | 8         | 39      | 136    |
| 3/8         | 62      | 140    | 10        | 62      | 140    |
| 7/16        | 72      | 142    | 11        | 72      | 142    |
| 1/2         | 104     | 156    | 12        | 83      | 143    |
| 9/16        | 119     | 164    | 13        | 103     | 156    |
| 5/8         | 161     | 176    | 14        | 121     | 164    |
| 11/16       | 189     | 195    | 15        | 142     | 174    |
| 3/4         | 244     | 214    | 16        | 161     | 176    |
|             |         |        | 17        | 182     | 195    |
|             |         |        | 18        | 219     | 213    |
|             |         |        | 19        | 247     | 214    |

Note: 5/16" & 8mm utilize 60 teeth ratchet mechanism.



Flexible head tilts 180° at any interval with continuous head tension.



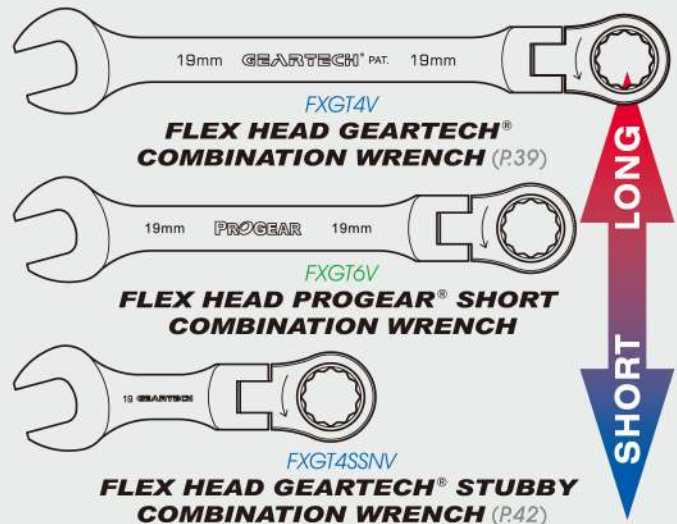
Ratchet head allows wrench to travel without removing from fastener.



5° space requirement for each turn.

## LENGTH WISE | FLEX HEAD RATCHET COMBINATION WRENCH

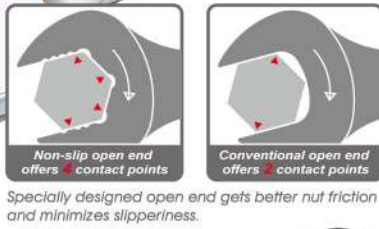
- Choose appropriate length when using in different space.



|           |             | FXGT4V | FXGT6V       | FXGT4SSNV    |
|-----------|-------------|--------|--------------|--------------|
| Size (mm) | Size (inch) | L (mm) | L (mm)       | L (mm)       |
| 6         | 1/4         | 136    |              | 88 (-35.3%)  |
| 7         |             | 136    |              | 88 (-35.3%)  |
| 8         | 5/16        | 136    | 136 (0%)     | 88 (-35.3%)  |
| 9         |             | 143    |              | 96 (-32.9%)  |
| 10        | 3/8         | 160    | 140 (-12.5%) | 96 (-40.0%)  |
| 11        | 7/16        | 168    | 142 (-15.5%) | 100 (-40.5%) |
| 12        |             | 174    | 143 (-17.8%) | 104 (-40.2%) |
| 13        | 1/2         | 180    | 156 (-13.3%) | 108 (-40.0%) |
| 14        | 9/16        | 193    | 164 (-15.0%) | 114 (-40.9%) |
| 15        |             | 200    | 174 (-13.0%) | 118 (-41.0%) |
| 16        | 5/8         | 216    | 176 (-18.5%) | 122 (-43.5%) |
| 17        | 11/16       | 233    | 195 (-16.3%) | 128 (-44.1%) |
| 18        |             | 239    | 213 (-10.9%) | 132 (-44.8%) |
| 19        | 3/4         | 250    | 214 (-14.4%) | 138 (-44.8%) |
| 20        | 13/16       | 285    |              |              |
| 21        | 7/8         | 285    |              |              |
| 22        |             | 285    |              |              |
| 23        |             | 285    |              |              |
| 24        | 15/16       | 325    |              |              |
| 25        | 1"          | 325    |              |              |
| 26        |             | 325    |              |              |
| 27        | 1-1/16      | 359    |              |              |
| 28        |             | 359    |              |              |
| 30        | 1-1/8       | 425    |              |              |
| 32        | 1-1/4       | 425    |              |              |

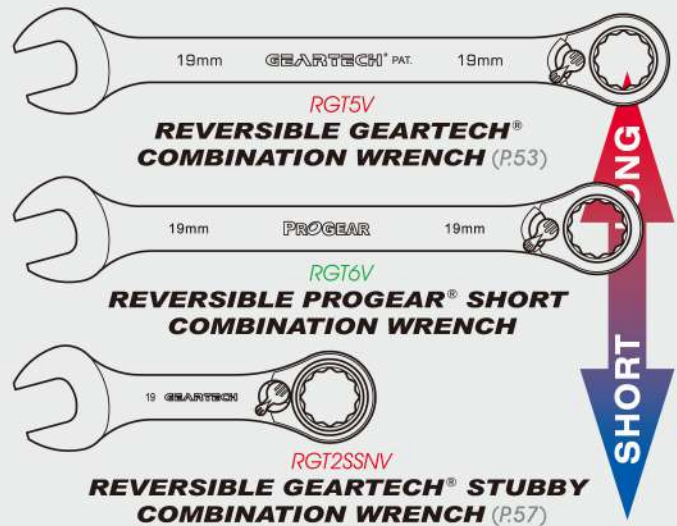
# REVERSIBLE PROGEAR® SHORT COMBINATION WRENCH

- Made by heat-treated **Chrome Vanadium Steel** for strength exceeding international specifications.
- Professional plating prevents wrenches from corrosion.
- **72 teeth** needs as little as 5° to move fasteners while a regular wrench needs 30° of sweep space.
- **Reversible switch** enables ratchet to move in either direction.
- **15° offset ratchet head** helps to reduce swing obstacles and to minimize knuckle fatigue.
- Specially designed for working on automotive engines and in confined spaces.
- Superior life-time test.



## LENGTH WISE | FLEX HEAD RATCHET COMBINATION WRENCH

- Choose appropriate length when using in different space.



## REVERSIBLE PROGEAR® SHORT COMBINATION WRENCH



RGT6V

Material | Chrome Vanadium Steel  
 Surface | Mirror / Matt / Micro Satin Finish  
 Feature | 15° Offset Ratchet Head  
 12 Point Ratchet Ring  
 Regular / Non-slip Open End  
 Short Length Panel

| Size (inch) | Wt. (g) | L (mm) | Size (mm) | Wt. (g) | L (mm) |
|-------------|---------|--------|-----------|---------|--------|
| 5/16        | 31      | 120    | 8         | 31      | 120    |
| 3/8         | 51      | 142    | 10        | 50      | 142    |
| 7/16        | 73      | 150    | 11        | -       | 150    |
| 1/2         | 92      | 167    | 12        | -       | 162    |
| 9/16        | 115     | 180    | 13        | 92      | 167    |
| 5/8         | 146     | 200    | 14        | 117     | 180    |
| 11/16       | 172     | 210    | 15        | 148     | 196    |
| 3/4         | 228     | 240    | 16        | 146     | 200    |
|             |         |        | 17        | 176     | 210    |
|             |         |        | 18        | 206     | 237    |
|             |         |        | 19        | 228     | 240    |

Note: 5/16" & 8mm utilize 60 teeth ratchet mechanism.



5° space requirement for each turn.



Reversible switch enables wrench to move in either direction.



15° offset ratchet head for knuckle clearance.

| Size (mm) | Size (inch) | RATCHET MECHANISM |              |                 |
|-----------|-------------|-------------------|--------------|-----------------|
|           |             | RGT5V L (mm)      | RGT6V L (mm) | RGT2SSNV L (mm) |
| 6         | 1/4         | 124               |              | 90 (-27.4%)     |
| 7         | 9/32        | 124               |              | 90 (-27.4%)     |
| 8         | 5/16        | 135               | 120 (-11.1%) | 90 (-33.3%)     |
| 9         | 11/32       | 142               |              | 95 (-33.1%)     |
| 10        | 3/8         | 158               | 142 (-10.1%) | 95 (-39.9%)     |
| 11        | 7/16        | 167               | 150 (-10.2%) | 102 (-38.9%)    |
| 12        |             | 173               | 162 (-6.4%)  | 105 (-39.3%)    |
| 13        | 1/2         | 179               | 167 (-6.7%)  | 107 (-40.2%)    |
| 14        | 9/16        | 189               | 180 (-4.8%)  | 114 (-39.7%)    |
| 15        |             | 199               | 196 (-1.5%)  | 118 (-40.7%)    |
| 16        | 5/8         | 215               | 200 (-7.0%)  | 122 (-43.3%)    |
| 17        | 11/16       | 232               | 210 (-9.5%)  | 126 (-45.7%)    |
| 18        |             | 238               | 237 (-0.4%)  | 130 (-45.4%)    |
| 19        | 3/4         | 247               | 240 (-2.8%)  | 138 (-44.1%)    |
| 20        | 13/16       | 285               |              |                 |
| 21        | 7/8         | 285               |              |                 |
| 22        |             | 285               |              |                 |
| 23        |             | 285               |              |                 |
| 24        | 15/16       | 325               |              |                 |
| 25        | 1"          | 325               |              |                 |
| 26        |             | 325               |              |                 |
| 27        | 1-1/16      | 359               |              |                 |
| 28        |             | 359               |              |                 |
| 30        | 1-1/8       | 425               |              |                 |
| 32        | 1-1/4       | 425               |              |                 |