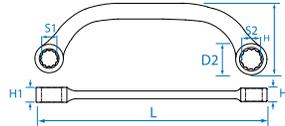
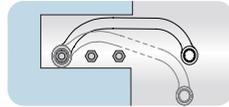


Half Moon Ring Wrench

1951

American type

- Specially designed for starter bolts
- Used mainly in automotive applications for starter motors, inlet and exhaust manifolds
- Chrome vanadium alloy steel
- Chrome plated

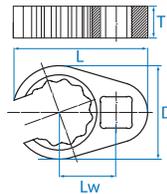


| KT NO. | Size mm | D1 mm | D2 mm | L mm | H1 mm | H2 mm | H mm | | |
|----------|---------|-------|-------|------|-------|-------|------|-------|----------|
| 19510810 | 8 x 10 | 12.5 | 16.5 | 125 | 7.0 | 7.4 | 36 | 48.0 | 12 / 240 |
| 19511011 | 10 x 11 | 17.5 | 19 | 149 | 8.0 | 8.5 | 46 | 71.4 | 12 / 240 |
| 19511012 | 10 x 12 | 17.5 | 19.0 | 149 | 8.0 | 8.5 | 46 | 67.8 | 12 / 240 |
| 19511113 | 11 x 13 | 17.5 | 19.0 | 149 | 8.0 | 8.5 | 46 | 76.0 | 12 / 240 |
| 19511214 | 12 x 14 | 21.4 | 23.4 | 169 | 8.2 | 8.4 | 50 | 95.4 | 10 / 120 |
| 19511416 | 14 x 16 | 21.4 | 23.4 | 169 | 8.2 | 8.4 | 50 | 99.1 | 10 / 120 |
| 19511517 | 15 x 17 | 23.5 | 27.0 | 194 | 9.5 | 10.0 | 56 | 151.2 | 8 / 96 |
| 19511719 | 17 x 19 | 26.5 | 27.7 | 194 | 9.2 | 9.6 | 56 | 141.4 | 8 / 96 |
| 19511922 | 19 x 22 | 29.0 | 32.3 | 225 | 11.0 | 12.0 | 66 | 235.0 | 5 / 60 |

Crowfoot Wrench & Set

1031

- 12 points
- Chrome vanadium alloy steel
- Chrome plated



| KT NO. | Size mm | Drive square | D mm | T mm | L mm | Lw mm | | |
|----------|---------|--------------|------|------|------|-------|-----|----------|
| 1031-10R | 10 | 3/8" | 27.0 | 9.2 | 36.5 | 17.1 | 40 | 12 / 192 |
| 1031-11R | 11 | 3/8" | 27.0 | 9.2 | 36.5 | 17.0 | 40 | 12 / 192 |
| 1031-12R | 12 | 3/8" | 27.5 | 9.2 | 36.5 | 16.8 | 40 | 12 / 192 |
| 1031-13R | 13 | 3/8" | 27.2 | 9.3 | 36.5 | 16.7 | 40 | 12 / 192 |
| 1031-14R | 14 | 3/8" | 29.8 | 9.6 | 42.0 | 20.0 | 42 | 12 / 192 |
| 1031-15R | 15 | 3/8" | 31.4 | 9.2 | 42.0 | 19.2 | 44 | 12 / 192 |
| 1031-16R | 16 | 3/8" | 30.2 | 10.1 | 42.0 | 19.5 | 48 | 12 / 192 |
| 1031-17R | 17 | 3/8" | 34.0 | 11.4 | 45.6 | 23.5 | 68 | 12 / 192 |
| 1031-18R | 18 | 3/8" | 33.6 | 10.0 | 45.6 | 22.5 | 63 | 12 / 192 |
| 1031-19R | 19 | 3/8" | 33.7 | 10.8 | 45.8 | 23.0 | 63 | 12 / 192 |
| 1031-22R | 22 | 1/2" | 38.5 | 13.0 | 55.0 | 23.0 | 82 | 15 / 180 |
| 1031-24R | 24 | 1/2" | 38.5 | 12.5 | 55.0 | 24.5 | 74 | 15 / 180 |
| 1031-26R | 26 | 1/2" | 42.5 | 13.5 | 60.0 | 24.0 | 105 | 15 / 180 |
| 1031-27R | 27 | 1/2" | 42.5 | 13.5 | 61.0 | 25.0 | 98 | 15 / 180 |
| 1031-30R | 30 | 1/2" | 49.0 | 14.0 | 68.5 | 30.0 | 136 | 12 / 144 |
| 1031-32R | 32 | 1/2" | 50.0 | 14.0 | 70.0 | 30.0 | 136 | 12 / 144 |

- Use to reach limit place with extension bar
- Use with torque wrench and 90° extension bar, will not effectively change the torque value

| KT NO. | Size mm | Drive square | D mm | T mm | L mm | Lw mm | | |
|---------------------|---------|--------------|------|------|------|-------|-----|---------|
| NEW 1031-33R | 33 | 3/4" | 55.6 | 22.5 | 84.5 | 38.0 | 355 | 12 / 60 |
| NEW 1031-34R | 34 | 3/4" | 55.6 | 22.5 | 84.5 | 38.0 | 345 | 12 / 60 |
| NEW 1031-35R | 35 | 3/4" | 55.6 | 22.5 | 84.5 | 39.0 | 334 | 12 / 60 |
| NEW 1031-36R | 36 | 3/4" | 55.6 | 22.5 | 84.5 | 39.0 | 315 | 12 / 60 |
| NEW 1031-38R | 38 | 3/4" | 61.7 | 23.0 | 90.5 | 43.0 | 346 | 12 / 60 |
| NEW 1031-41R | 41 | 3/4" | 61.7 | 23.0 | 90.5 | 43.0 | 357 | 12 / 60 |
| NEW 1031-46R | 46 | 3/4" | 70.0 | 25.0 | 101 | 47.0 | 517 | 12 / 24 |
| NEW 1031-48R | 48 | 3/4" | 75.5 | 28.5 | 104 | 47.0 | 482 | 12 / 24 |
| NEW 1031-50R | 50 | 3/4" | 75.5 | 28.5 | 104 | 48.0 | 587 | 12 / 24 |



| KT NO. | PC. | Contents | | |
|--------|-----|---|------|--------|
| 1E10MR | 10 | 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | 0.59 | 1 / 30 |
| 1E11MR | 11 | 1031 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22 | 0.68 | 1 / 30 |