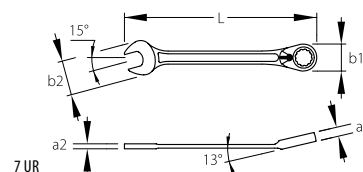
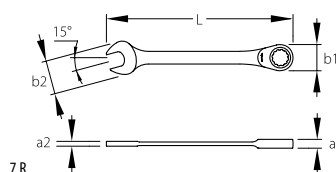
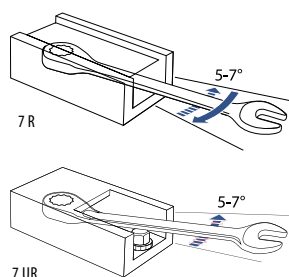
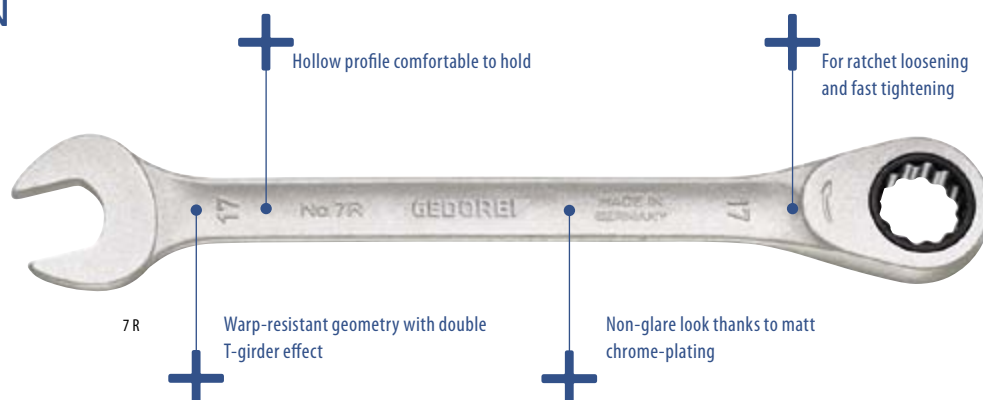


## Combination Ratchet Spanners

### THE REVOLUTION

- > With same size each end
- > UD profile
- > High torque transfer
- > GEDORE vanadium steel 31CrV3
- > Non-glare look thanks to matt chrome-plating, locking insert and pawl manganese-phosphated
- > Hot forged
- > Jaw: ground precisely to exact nominal size for optimum contact areas
- > In combination with adaptor no. 7 RA or 7 RB (please order separately) the spanner no. 7 R and 7 UR can be used as a (bit) ratchet



## 7 R COMBINATION RATCHET SPANNER

Flat pattern

| Ø mm | ∠° | L   | a <sub>1</sub> | a <sub>2</sub> | b <sub>1</sub> | b <sub>2</sub> | ⚖     | Code    | No.    |
|------|----|-----|----------------|----------------|----------------|----------------|-------|---------|--------|
| 8    | 7  | 140 | 7.0            | 3.8            | 17.5           | 19.8           | 0.032 | 2297051 | 7 R 8  |
| 9    | 7  | 150 | 7.3            | 3.9            | 19.3           | 21.5           | 0.042 | 2297078 | 7 R 9  |
| 10   | 7  | 160 | 7.7            | 4.1            | 21.0           | 23.0           | 0.054 | 2297086 | 7 R 10 |
| 11   | 7  | 164 | 8.1            | 4.3            | 22.5           | 26.0           | 0.063 | 2297094 | 7 R 11 |
| 12   | 7  | 170 | 8.6            | 4.6            | 23.6           | 27.5           | 0.069 | 2297108 | 7 R 12 |
| 13   | 7  | 180 | 9.0            | 4.7            | 25.7           | 30.0           | 0.088 | 2297116 | 7 R 13 |
| 14   | 7  | 190 | 9.4            | 4.9            | 28.2           | 31.8           | 0.101 | 2297124 | 7 R 14 |
| 15   | 7  | 200 | 9.8            | 5.2            | 29.5           | 34.0           | 0.125 | 2297132 | 7 R 15 |
| 16   | 6  | 212 | 10.2           | 5.7            | 31.7           | 35.0           | 0.137 | 2297140 | 7 R 16 |
| 17   | 6  | 225 | 10.6           | 5.9            | 33.6           | 38.0           | 0.160 | 2297159 | 7 R 17 |

| Ø mm | ∠° | L   | a <sub>1</sub> | a <sub>2</sub> | b <sub>1</sub> | b <sub>2</sub> | ⚖     | Code    | No.    |
|------|----|-----|----------------|----------------|----------------|----------------|-------|---------|--------|
| 18   | 6  | 237 | 11.0           | 6.1            | 34.6           | 40.0           | 0.197 | 2297167 | 7 R 18 |
| 19   | 6  | 250 | 11.7           | 6.4            | 36.3           | 42.0           | 0.202 | 2297175 | 7 R 19 |
| 21   | 6  | 274 | 12.5           | 6.9            | 40.0           | 45.5           | 0.262 | 2219433 | 7 R 21 |
| 22   | 6  | 292 | 13.3           | 7.1            | 42.5           | 48.0           | 0.319 | 2297191 | 7 R 22 |
| 24   | 6  | 325 | 14.8           | 7.9            | 48.0           | 52.5           | 0.520 | 2297205 | 7 R 24 |
| 27   | 6  | 359 | 16.0           | 8.3            | 53.5           | 59.5           | 0.590 | 2297213 | 7 R 27 |
| 30   | 5  | 399 | 17.4           | 8.8            | 59.0           | 63.0           | 0.780 | 2297221 | 7 R 30 |
| 32   | 5  | 424 | 17.9           | 9.3            | 63.0           | 67.5           | 0.920 | 2297248 | 7 R 32 |
| 34   | 5  | 449 | 18.4           | 9.7            | 65.5           | 72.0           | 1.010 | 2219549 | 7 R 34 |
| 36   | 5  | 480 | 18.9           | 10.2           | 70.0           | 75.0           | 1.208 | 2219557 | 7 R 36 |

## 7 UR COMBINATION RATCHET SPANNER

Ring 13° offset from shaft, reversible

| Ø mm | ∠° | L   | a <sub>1</sub> | a <sub>2</sub> | b <sub>1</sub> | b <sub>2</sub> | ⚖     | Code    | No.     |
|------|----|-----|----------------|----------------|----------------|----------------|-------|---------|---------|
| 8    | 7  | 140 | 7.0            | 3.8            | 17.5           | 19.8           | 0.037 | 2297256 | 7 UR 8  |
| 9    | 7  | 150 | 7.3            | 3.9            | 19.3           | 21.5           | 0.043 | 2297264 | 7 UR 9  |
| 10   | 7  | 160 | 7.7            | 4.1            | 21.0           | 23.0           | 0.053 | 2297272 | 7 UR 10 |
| 11   | 7  | 164 | 8.1            | 4.3            | 22.5           | 26.0           | 0.062 | 2297280 | 7 UR 11 |
| 12   | 7  | 170 | 8.6            | 4.6            | 23.6           | 27.5           | 0.069 | 2297299 | 7 UR 12 |
| 13   | 7  | 180 | 9.0            | 4.7            | 25.7           | 30.0           | 0.081 | 2297302 | 7 UR 13 |
| 14   | 7  | 190 | 9.4            | 4.9            | 28.2           | 31.8           | 0.098 | 2297310 | 7 UR 14 |
| 15   | 7  | 200 | 9.8            | 5.2            | 29.5           | 34.0           | 0.120 | 2297329 | 7 UR 15 |

| Ø mm | ∠° | L   | a <sub>1</sub> | a <sub>2</sub> | b <sub>1</sub> | b <sub>2</sub> | ⚖     | Code    | No.     |
|------|----|-----|----------------|----------------|----------------|----------------|-------|---------|---------|
| 16   | 6  | 212 | 10.2           | 5.7            | 31.7           | 35.0           | 0.153 | 2297337 | 7 UR 16 |
| 17   | 6  | 225 | 10.6           | 5.9            | 33.6           | 38.0           | 0.166 | 2297345 | 7 UR 17 |
| 18   | 6  | 237 | 11.0           | 6.1            | 34.6           | 40.0           | 0.178 | 2297353 | 7 UR 18 |
| 19   | 6  | 250 | 11.7           | 6.4            | 36.3           | 42.0           | 0.218 | 2297361 | 7 UR 19 |
| 21   | 6  | 274 | 12.5           | 6.9            | 40.0           | 45.5           | 0.264 | 2244500 | 7 UR 21 |
| 22   | 6  | 292 | 13.3           | 7.1            | 42.5           | 48.0           | 0.319 | 2297388 | 7 UR 22 |
| 24   | 6  | 325 | 14.8           | 7.9            | 48.0           | 52.5           | 0.449 | 2297396 | 7 UR 24 |