















Threaded Button Bit for Rock Drilling

| Product | Diameter | | Buttons | | Flushing Hole | | Weight [kg] | Model No. | |
|---|---|----------|-----------------------|-----------------------|---------------|----------------|----------------|------------|------------|
| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | | |
| R22 | | | | | | | | | |
|  Button bits | 32 | 1 1/4" | 3 × 8 | 1 × 8 | 1 | 1 | 0.3 | R22-324ZCP | |
| | 33 | 1 9/64" | 5 × 8 | 2 × 7 | 2 | 1 | 0.3 | R22-337ZCP | |
| | 35 | 1 3/8" | 5 × 8 | 2 × 7 | 2 | 1 | 0.4 | R22-357ZCP | |
| R25 | | | | | | | | | |
|  Button bits | 38 | 1 1/2" | 5 × 9 | 2 × 7 | 2 | 1 | 0.6 | R25-387ZCP | |
| | 41 | 1 5/8" | 5 × 9 | 2 × 8 | 2 | 1 | 0.5 | R25-417ZCP | |
| | 42 | 1 39/64" | 5 × 9 | 2 × 8 | 2 | 1 | 0.5 | R25-427ZCP | |
| | 43 | 1 11/16" | 5 × 9 | 2 × 8 | 2 | 1 | 0.6 | R25-437ZCP | |
| | 45 | 1 3/4" | 5 × 9 | 2 × 9 | 2 | 1 | 0.6 | R25-457ZCP | |
| | 48 | 1 7/8" | 5 × 10 | 2 × 9 | 2 | 1 | 0.6 | R25-487ZCP | |
| | 51 | 2" | 5 × 10 | 2 × 10 | 2 | 1 | 0.7 | R25-517ZCP | |
|  Button bits | 57 | 2 1/4" | 5 × 11 | 2 × 10 | 2 | 1 | 1 | R25-577ZCP | |
| | 45 | 1 3/4" | 6 × 9 | 3 × 8 | 1 | 3 | 1 | R25-459ZCP | |
| | 51 | 2" | 6 × 10 | 3 × 9 | 1 | 3 | 1.35 | R25-519ZCP | |
|  Button bits | 57 | 2 1/4" | 6 × 10 | 3 × 10 | - | 3 | 1.6 | R25-579ZCP | |
| | 38 | 1 1/2" | 4 × 9 | 2 × 8 | 1 | 1 | 0.5 | R25-386ZCP | |
| | 41 | 1 5/8" | 4 × 9 | 2 × 9 | 1 | 1 | 0.5 | R25-416ZCP | |
|  Button bits | 43 | 1 11/16" | 4 × 9 | 2 × 9 | 1 | 1 | 0.6 | R25-436ZCP | |
| | R28 | | | | | | | | |
| |  Button bits | 44 | 1 47/64" | 4 × 10 | 2 × 9 | 1 | 1 | 0.6 | R28-446ZCP |
| 45 | | 1 3/4" | 4 × 10 | 2 × 9 | 1 | 1 | 0.7 | R28-456ZCP | |
| 48 | | 1 7/8" | 4 × 11 | 2 × 9 | 1 | 1 | 0.7 | R28-486ZCP | |






| Product | Diameter | | Buttons | | Flushing Hole | | Weight [kg] | Model No. |
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| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | |
| R32*12 | | | | | | | | |
|  Button bits | 50 | 1 31/32" | 3 × 12 | 2 × 10 | 1 | 1 | 0.76 | R32-505ZCP |
| | 55 | 2 3/32" | 3 × 14 | 1 × 12 | 1 | 1 | 0.88 | R32-554ZCP |
| | 60 | 2 23/64" | 3 × 14 | 2 × 12 | 1 | 1 | 1 | R32-605ZCP |
| | 65 | 2 9/16" | 3 × 14 | 3 × 12 | 1 | 1 | 1.18 | R32-656ZCP |
| | 70 | 2 3/4" | 5 × 13 | 3 × 12 | 1 | 1 | 1.56 | R32-708ZCP |
|  Button bits | 55 | 2 11/64" | 4 × 10 | 2 × 10 1 × 10 | 1 | 1 | 0.8 | R32-556ZCT |
| | 60 | 2 23/64" | 4 × 12 | 2 × 10 1 × 10 | 2 | 1 | 0.9 | R32-606ZCT |
| | 60 | 2 23/64" | 6 × 11 | 2 × 10 1 × 10 | 1 | 1 | 1 | R32-608ZCT |
| | 65 | 2 9/16" | 5 × 14 | 3 × 13 | 1 | 1 | 1.1 | R32-658ZCT |
| | 65 | 2 9/16" | 4 × 12 | 2 × 12 1 × 12 | 1 | 1 | 1.1 | R32-656ZCT |
|  Button bits | 58 | 2 9/32" | 6 × 10 | 3 × 10 | 1 | 1 | 1 | R32-589ZCP |
| | 60 | 2 23/64" | 6 × 11 | 3 × 10 | 1 | 1 | 1 | R32-609ZCP |
| | 65 | 2 9/16" | 6 × 12 | 3 × 12 | 1 | 1 | 1.22 | R32-659ZCP |
| | 70 | 2 3/4" | 6 × 12 | 3 × 12 | 1 | 1 | 1.56 | R32-709ZCP |
| | 76 | 3" | 6 × 12 | 5 × 10 | 1 | 1 | 1.7 | R32-7611ZCP |
| R32 | | | | | | | | |
|  Button bits | 43 | 1 11/16" | 4 × 10 | 2 × 9 | 1 | 1 | 0.55 | R32-436ZCP |
| | 45 | 1 3/4" | 4 × 11 | 2 × 9 | 2 | 1 | 0.6 | R32-456ZCP |
| | 45 | 1 3/4" | 5 × 10 | 2 × 9 | 2 | 1 | 0.7 | R32-457ZCP |
| | 48 | 1 7/8" | 5 × 10 | 2 × 9 | 2 | 1 | 0.9 | R32-487ZCP |
|  Button bits | 48 | 1 7/8" | 5 × 11 | 2 × 8 | 2 | 1 | 0.7 | R32-487ZCP |
| | 51 | 2" | 5 × 11 | 2 × 9 | 2 | 1 | 1.1 | R32-517ZCP |
| | 57 | 2 1/4" | 5 × 12 | 3 × 10 | 1 | 1 | 1.3 | R32-578ZCP |
| | 60 | 2 23/64" | 5 × 12 | 3 × 10 | 1 | 1 | 1.4 | R32-608ZCP |

| Product | Diameter | | Buttons | | Flushing Hole | | Weight [kg] | Model No. |
|---|----------|----------|-----------------------|-----------------------|---------------|----------------|----------------|-------------|
| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | |
| R32 | | | | | | | | |
|  Button bits | 43 | 1 11/16" | 6 × 9 | 2 × 8 | 1 | 2 | 0.6 | R32-438ZCP |
| | 45 | 1 3/4" | 6 × 9 | 2 × 9 | - | 2 | 0.7 | R32-458ZCP |
| | 48 | 1 7/8" | 6 × 10 | 2 × 9 | - | 2 | 0.7 | R32-488ZCP |
| | 45 | 1 3/4" | 6 × 9 | 3 × 8 | 1 | 3 | 0.8 | R32-459ZCP |
| | 45 | 1 3/4" | 6 × 10 | 3 × 8 | 1 | 3 | 0.8 | R32-459ZCP |
|  Button bits | 48 | 1 7/8" | 6 × 10 | 3 × 8 | 1 | 3 | 0.9 | R32-489ZCP |
| | 51 | 2" | 6 × 10 | 3 × 9 | 1 | 3 | 1.1 | R32-519ZCP |
| | 51 | 2" | 6 × 10 | 2 × 10 | 2 | 2 | 1.1 | R32-518ZCP |
| | 57 | 2 1/4" | 6 × 11 | 3 × 10 | 1 | 3 | 1.3 | R32-579ZCP |
| | 64 | 2 1/2" | 6 × 12 | 3 × 11 | 2 | 1 | 1.6 | R32-649ZCP |
| | 64 | 2 1/2" | 6 × 12 | 4 × 10 | 1 | 2 | 1.6 | R32-6410ZCP |
| R32 | | | | | | | | |
|  Button bits | 64 | 2 1/2" | 8 × 10 | 4 × 10 | 2 | 2 | 1.6 | R32-6412ZCP |
| | 76 | 3" | 8 × 11 | 4 × 11 | 2 | 2 | 2.8 | R32-7612ZCP |
| | 89 | 3 1/2" | 8 × 12 | 4 × 12 | - | 2 | 2.9 | R32-8912ZCP |
| | 89 | 3 1/2" | 6 × 14 | 4 × 12 | 1 | 3 | 2.9 | R32-8910ZCP |
| R38 | | | | | | | | |
|  Button bits | 64 | 2 1/2" | 6 × 12 | 3 × 11 | - | 3 | 1.6 | R38-649ZCP |
| | 64 | 2 1/2" | 6 × 12 | 4 × 10 | 1 | 2 | 1.6 | R38-6410ZCP |
| | 64 | 2 1/2" | 8 × 11 | 4 × 10 | 1 | 2 | 1.6 | R38-6412ZCP |
| | 76 | 3" | 6 × 12 | 4 × 11 | - | 2 | 2.8 | R38-7610ZCP |
|  Button bits | 64 | 2 1/2" | 8 × 10 | 4 × 10 | - | 2 | 1.7 | R38-6412ZCP |
| | 76 | 3" | 8 × 12 | 4 × 12 | 1 | 2 | 1.9 | R38-7612ZCP |

| Product | Diameter | | Buttons | | Flushing Hole | | Weight [kg] | Model No. |
|--|----------|----------|-----------------------|-----------------------|---------------|----------------|----------------|--------------|
| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | |
| R38 | | | | | | | | |
|  | 89 | 3 1/2" | 7 × 13 | 5 × 12 | 1 | 3 | 3.3 | R38-8912ZCP |
| | 76 | 3" | 6 × 13 | 3 × 11 1 × 10 | 1 | 3 | 1.9 | R38-7610ZCA |
| Button bits | 89 | 3 1/2" | 6 × 13 | 3 × 11 2 × 11 | 1 | 3 | 3.3 | R38-8911ZCA |
|  | 76 | 3" | 8 × 11 | 4 × 11 1 × 11 | - | 4 | 2.9 | R38-7612ZCA |
| Button bits | | | | | | | | |
| T38 | | | | | | | | |
|  | 60 | 2 23/64" | 5 × 12 | 3 × 10 | 1 | 1 | 1.6 | T38-608ZCP |
| | 64 | 2 1/2" | 6 × 12 | 3 × 10 | 3 | 0 | 1.6 | T38-649ZCP |
| Button bits | 76 | 3" | 6 × 12 | 3 × 12 | 2 | 1 | 2.4 | T38-769ZCP |
| | 64 | 2 1/2" | 8 × 10 | 4 × 10 | - | 2 | 1.6 | T38-6412ZCP |
|  | 76 | 3" | 8 × 12 | 4 × 11 | 1 | 2 | 2.6 | T38-7612ZCP |
| | 89 | 3 1/2" | 7 × 13 | 5 × 12 | 1 | 3 | 3.3 | T38-8912ZCP |
|  | 89 | 3 1/2" | 8 × 13 | 5 × 12 | 2 | 2 | 3.3 | T38-8913ZCP |
| | 89 | 3 1/2" | 8 × 13 | 6 × 12 | 2 | 2 | 3.3 | T38-8914ZCP |
| Button bits | 89 | 3 1/2" | 9 × 12 | 6 × 12 | 1 | 3 | 3.3 | T38-8915ZCP |
| | 102 | 4" | 8 × 14 | 7 × 12 | 1 | 2 | 4.7 | T38-10215ZCP |
| | 64 | 2 1/2" | 6 × 11 | 3 × 10 1 × 10 | 1 | 3 | 1.7 | T38-6410ZCA |
|  | 70 | 2 3/4" | 6 × 12 | 3 × 10 1 × 10 | 1 | 3 | 2.2 | T38-7010ZCA |
| Button bits | 76 | 3" | 6 × 13 | 3 × 11 1 × 10 | 1 | 3 | 2.3 | T38-7610ZCA |
| | 89 | 3 1/2" | 6 × 13 | 3 × 11 2 × 11 | 1 | 3 | 3.3 | T38-8911ZCA |
| | 64 | 2 1/2" | 8 × 10 | 4 × 10 1 × 9 | 1 | 4 | 1.7 | T38-6413ZCA |
|  | 76 | 3" | 8 × 11 | 4 × 11 1 × 11 | - | 4 | 2.7 | T38-7613ZCA |
| Button bits | 89 | 3 1/2" | 8 × 12 | 4 × 11 1 × 11 | 1 | 4 | 3.3 | T38-8913ZCA |

| Product | Diameter | | Buttons | | Flushing Hole | | Weight [kg] | Model No. |
|--|----------|--------|-----------------------|-----------------------|---------------|----------------|----------------|--------------|
| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | |
| T38 | | | | | | | | |
| | 89 | 3 1/2" | 8 × 12 | 4 × 12 2 × 10 | - | 4 | 3.3 | T38-8914ZCA |
| | 102 | 4" | 8 × 12 | 4 × 12 4 × 11 | - | 4 | 4.7 | T38-10216ZCA |
| | 102 | 4" | 8 × 13 | 4 × 12 3 × 12 | - | 4 | 4.7 | T38-10215ZCA |
| T45 | | | | | | | | |
| | 76 | 3" | 8 × 12 | 4 × 11 | 2 | 2 | 2.6 | T45-7612ZCP |
| | 76 | 3" | 8 × 12 | 4 × 12 | 1 | 2 | 2.4 | T45-7612ZCP |
|  | 89 | 3 1/2" | 7 × 13 | 5 × 12 | 1 | 3 | 3.5 | T45-8912ZCP |
| | 89 | 3 1/2" | 8 × 13 | 5 × 12 | 2 | 2 | 3.7 | T45-8913ZCP |
|  | 89 | 3 1/2" | 8 × 13 | 6 × 13 | - | 2 | 3.7 | T45-8914ZCP |
| | 102 | 4" | 8 × 14 | 7 × 12 | 2 | 2 | 5 | T45-10215ZCP |
| Button bits | 102 | 4" | 9 × 12 | 6 × 12 | - | 2 | 5 | T45-10215ZCP |
| | 115 | 4 1/2" | 9 × 14 | 7 × 13 | 1 | 3 | 6.8 | T45-11516ZCP |
| | 115 | 4 1/2" | 8 × 16 | 7 × 13 | 2 | 2 | 6.8 | T45-11515ZCP |
| | 76 | 3" | 6 × 13 | 3 × 11 1 × 10 | 1 | 3 | 2.4 | T45-7610ZCA |
| | 76 | 3" | 8 × 12 | 4 × 11 1 × 11 | - | 4 | 2.6 | T45-7613ZCA |
|  | 89 | 3 1/2" | 8 × 12 | 4 × 12 1 × 11 | - | 4 | 3.6 | T45-8913ZCA |
| Button bits | 89 | 3 1/2" | 8 × 14 | 4 × 14 2 × 10 | - | 4 | 3.7 | T45-8914ZCA |
| | 102 | 4" | 8 × 12 | 4 × 12 4 × 11 | - | 4 | 4.7 | T45-10216ZCA |
| | 102 | 4" | 8 × 13 | 4 × 12 3 × 12 | - | 4 | 4.7 | T45-10215ZCA |

| Product | Diameter | | Buttons | | Flushing Hole | | Weight [kg] | Model No. |
|--|----------|--------|-----------------------|-----------------------|---------------|----------------|----------------|--------------|
| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | |
| T51 | | | | | | | | |
| | 89 | 3 1/2" | 6 × 16 | 4 × 13 | - | 2 | 4.5 | T51-8910ZCP |
| | 102 | 4" | 6 × 16 | 4 × 14 | - | 2 | 5.8 | T51-10210ZCP |
|  | 89 | 3 1/2" | 7 × 13 | 5 × 12 | 1 | 3 | 2.7 | T51-8912ZCP |
| | 89 | 3 1/2" | 9 × 12 | 6 × 12 | 1 | 3 | 4.9 | T51-8915ZCP |
|  | 89 | 3 1/2" | 8 × 13 | 5 × 12 | 2 | 2 | 4.9 | T51-8913ZCP |
| | 89 | 3 1/2" | 8 × 13 | 6 × 12 | - | 2 | 4.9 | T51-8914ZCP |
|  | 102 | 4" | 8 × 14 | 7 × 12 | 2 | 2 | 5.8 | T51-10215ZCP |
| | 102 | 4" | 8 × 16 | 6 × 13 | 2 | 2 | 6 | T51-10214ZCP |
| Button bits | 115 | 4 1/2" | 9 × 14 | 7 × 13 | 1 | 3 | 6.8 | T51-11516ZCP |
| | 115 | 4 1/2" | 8 × 16 | 7 × 13 | 2 | 2 | 6.8 | T51-11515ZCP |
| | 127 | 5" | 8 × 16 | 9 × 12 | - | 2 | 7.5 | T51-12717ZCP |
| | 89 | 3 1/2" | 9 × 11 | 6 × 10 | - | 2 | 4.6 | T51-8915ZCP |
| | 102 | 4" | 9 × 12 | 7 × 12 | - | 3 | 5.9 | T51-10216ZCP |
|  | 102 | 4" | 9 × 12 | 6 × 12 | - | 3 | 5.8 | T51-10215ZCP |
| Button bits | 115 | 4 1/2" | 9 × 14 | 7 × 13 | 1 | 3 | 6.6 | T51-11516ZCP |
| | 127 | 5" | 9 × 14 | 7 × 13 | - | 3 | 7.5 | T51-12716ZCP |
| | 127 | 5" | 9 × 14 | 8 × 14 | - | 3 | 8.4 | T51-12717ZCP |
| | 152 | 6" | 9 × 16 | 11 × 14 | - | 3 | 11.1 | T51-15220ZCP |
| | 89 | 3 1/2" | 8 × 12 | 4 × 11 1 × 11 | - | 4 | 4.6 | T51-8913ZCA |
|  | 89 | 3 1/2" | 8 × 12 | 4 × 12 2 × 10 | 1 | 4 | 4.5 | T51-8914ZCA |
| Button bits | 102 | 4" | 8 × 12 | 4 × 12 4 × 11 | - | 4 | 4.7 | T51-10216ZCA |
| | 115 | 4 1/2" | 8 × 14 | 4 × 13 2 × 13 | 1 | 4 | 6.8 | T51-11514ZCA |
| | 127 | 5" | 8 × 14 | 4 × 14 4 × 13 | - | 4 | 7.5 | T51-12716ZCA |
|  | 165 | 6 1/2" | 9 × 16 | 9 × 14 4 × 14 | - | 3 | 14.4 | T51-16522ZCA |
| | 178 | 7" | 9 × 16 | 9 × 16 4 × 14 | - | 3 | 15.1 | T51-17822ZCA |

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|---|----------|----------|-----------------------|-----------------------|---------------|----------------|----------------|---------------|
| | [mm] | [in] | Gauge [No.] × [mm] | Front [No.] × [mm] | Side [No.] | Front [No.] | | |
| T51 | | | | | | | | |
|  Button bits | 89 | 3 1/2" | 8 × 12 | 4 × 12 | - | 4 | 3.6 | T51-8912ZCH |
| | 102 | 4" | 9 × 13 | 4 × 13 | - | 4 | 4.1 | T51-10213ZCH |
| | 115 | 4 1/2" | 9 × 13 | 4 × 13 | - | 4 | 6.3 | T51-11513ZCH |
| | 127 | 5" | 8 × 16 | 6 × 14 | - | 4 | 7.4 | T51-12714ZCH |
| | 152 | 6" | 8 × 18 | 6 × 16 | - | 4 | 12 | T51-15214ZCH |
| GT60 | | | | | | | | |
|  Button bits | 92 | 3 5/8" | 8 × 14 | 4 × 12 2 × 12 | - | 4 | 4.1 | GT60-9214ZCA |
| | 96 | 3 25/32" | 8 × 14 | 4 × 12 2 × 12 | - | 4 | 6 | GT60-9614ZCA |
|  Button bits | 102 | 4" | 9 × 13 | 9 × 11 | - | 2 | 7 | GT60-10218ZCP |
| | 115 | 4 1/2" | 9 × 14 | 10 × 12 | - | 2 | 9.4 | GT60-11519ZCP |
| | 127 | 5" | 9 × 16 | 10 × 14 | - | 2 | 9.6 | GT60-12719ZCP |
| | 140 | 5 1/2" | 9 × 16 | 10 × 14 | - | 2 | 10.5 | GT60-14019ZCP |
| | 152 | 6" | 9 × 16 | 12 × 14 | - | 3 | 15 | GT60-15221ZCP |
| ST58 | | | | | | | | |
|  Button bits | 89 | 3 1/2" | 8 × 14 | 6 × 12 | - | 2 | 4.1 | ST58-8914ZCP |
| | 89 | 3 1/2" | 8 × 12 | 4 × 12 2 × 10 | - | 4 | 8.9 | ST58-8914ZCA |
| ST68 | | | | | | | | |
|  Button bits | 102 | 4" | 8 × 16 | 5 × 14 | - | 2 | 9.4 | ST68-10213ZCP |
| | 102 | 4" | 10 × 12 | 4 × 12 4 × 12 | - | 4 | 9.5 | ST68-10218ZCA |
| | 115 | 4 1/2" | 10 × 14 | 4 × 14 4 × 14 | - | 4 | 10.8 | ST68-11518ZCA |
| | 152 | 6" | 9 × 16 | 8 × 16 | - | 3 | 16 | ST68-15217ZCP |

Remarks: Other button bit specifications are available according to customer requirements.