



## O-PILE RING BIT SYSTEMS

**SOLITARY O-PILE RING BIT SYSTEMS** are used to drill straight interlocked casings through boulders, rock layers even into inclined bed rock. With O-pile technique one can build interlocked casing walls, roofs and other structures for construction industry. O-Piles can also replace sheet piles and slurry walls in rocky ground conditions. Heavy duty ring bit is not attached to casing shoe, which makes it most economical of the ring bit alternatives.



Main **applications** for O-pile systems are:

1. O-pile walls
2. O-pile roofs
3. Cofferdams
4. Retaining walls
5. Watertight cut off walls

# O-PILE SYSTEM DESIGN FEATURES



System is available from 219 to 1220 mm casings and for all major shank designs.

| System<br>product code | Casing OD |         | Max wall |        | Ring bit ID |         | Ring bit OD |         | Pilot bit OD |         |
|------------------------|-----------|---------|----------|--------|-------------|---------|-------------|---------|--------------|---------|
|                        | mm        | inch    | mm       | inch   | mm          | inch    | mm          | inch    | mm           | inch    |
| XL219-12.7-150         | 219,1     | 8.625"  | 12,7     | 0.5"   | 150         | 5.906"  | 279         | 10.984" | 191          | 7.520"  |
| XL244-12.7-164         | 244,5     | 9.625"  | 12,7     | 0.5"   | 164         | 6.457"  | 304         | 11.969" | 216          | 8.504"  |
| XL254-12.7-197         | 254       | 10"     | 12,7     | 0.5"   | 174         | 6.850   | 314         | 12.362" | 226          | 8.898"  |
| XL273-12.7-192         | 273       | 10.75"  | 12,7     | 0.5"   | 192         | 7.559"  | 333         | 13.110" | 245          | 9.646"  |
| XL301-12.7-220         | 301,6     | 11.875" | 12,7     | 0.5"   | 220         | 8.661"  | 361         | 14.213" | 270          | 10.630" |
| XL323-14.2-240         | 323,9     | 12,75"  | 14,2     | 0.559" | 240         | 9.449"  | 383         | 15.079" | 291          | 11.622" |
| XL339-14.2-255         | 339,7     | 13.375" | 14,2     | 0.559" | 255         | 10.039" | 399         | 15.709" | 308          | 12.126" |
| XL355-14.2-270         | 355,6     | 14"     | 14,2     | 0.559" | 270         | 10.630" | 415         | 16.339" | 324          | 12.756" |
| XL406-16-318           | 406,4     | 16"     | 16       | 0.625" | 318         | 12.520" | 466         | 18.346" | 370          | 14.567" |
| XL457-16-360           | 457,2     | 18"     | 16       | 0.625" | 360         | 14.173" | 517         | 20.354" | 423          | 16.654" |
| XL508-16-422           | 508       | 20"     | 16       | 0.625" | 422         | 16.614" | 568         | 22.362" | 471          | 18.543" |
| XL559-16-470           | 558,8     | 22"     | 16       | 0.625" | 470         | 18.504" | 619         | 24.370" | 521          | 20.512" |
| XL610-16-502           | 609,6     | 24"     | 16       | 0.625" | 502         | 19.764" | 670         | 26.378" | 572          | 22.520" |
| XL660-16-545           | 660,4     | 26"     | 16       | 0.625" | 545         | 21.457" | 720         | 28.346" | 615          | 24.213" |
| XL711-16-610           | 711,2     | 28"     | 16       | 0.625" | 610         | 24.016" | 771         | 30.354" | 675          | 26.757" |
| XL762-20-655           | 762       | 30"     | 20       | 0.787" | 655         | 25.787" | 822         | 32.362" | 715          | 28.150" |
| XL813-20-700           | 812,8     | 32"     | 20       | 0.787" | 700         | 27.559" | 873         | 34.370" | 769          | 30.276" |
| XL863-20-750           | 863,6     | 34"     | 20       | 0.787" | 750         | 29.528" | 923         | 36.339" | 815          | 32.087" |
| XL914-22-800           | 914,4     | 36"     | 20       | 0.787" | 800         | 31.500" | 974         | 38.346" | 862          | 34.213" |
| XL1016-20-880 *        | 1016      | 40"     | 20       | 0.787" | 880         | 34.646" | 1076        | 42.362" | 966          | 38.094" |
| XL1220-20-1080 *       | 1219,2    | 48"     | 20       | 0.787" | 1080        | 42.520  | 1280        | 50.394" | 1168         | 45.984" |

\*Large diameter system can be engineered based on the specific customer requirements

