



SOLITARY RING BIT SYSTEMS

SOLITARY RING BIT SYSTEMS are designed for drilling end bearing piles to bed rock. System is designed to drill straight piles through boulders, rock layers and also into inclined bed rock. Heavy duty ring bit is not attached to casing shoe, which makes it most economical of the ring bit alternatives.



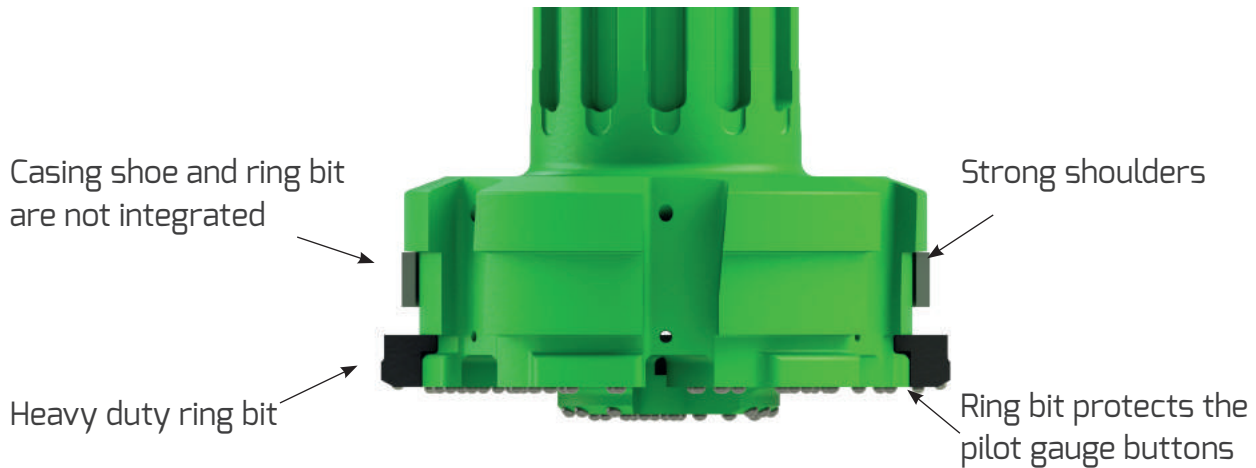
Main **applications** for solitary systems are:

1. End bearing piles including micro piling
2. Pileings with sacrificed casings, which have no large ID ring bit requirements
3. Slope stabilization
4. Pipe walls, king piles etc.

SPIRALFLUSH®



SOLITARY SYSTEM DESIGN FEATURES



System is available from 114 to 1524 mm casings and for all major shank designs.

| System 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 |
| S114-8-68 | 114,3 | 4 1/2" | 8 | 5/16" | 68 | 2 43/64" | 125 | 4 59/64" | 96 | 3 25/32" |
| S140-10-86 | 139,7 | 5 1/2" | 10 | 25/64" | 86 | 3 25/64" | 149 | 5 55/64" | 119 | 4 11/16" |
| S168-12.7-106 | 168,3 | 6 5/8" | 12,7 | 1/2" | 106 | 4 11/64" | 179 | 7 3/64" | 141 | 5 35/64" |
| S178-12.7-116 | 177,8 | 7" | 12,7 | 1/2" | 116 | 4 9/16" | 188 | 7 13/32" | 152 | 5 63/64" |
| S219-12.7-150 | 219,1 | 8 5/8" | 12,7 | 1/2" | 150 | 5 29/32" | 230 | 9 1/16" | 191 | 7 33/64" |
| S273-12.7-192 | 273 | 10 3/4" | 12,7 | 1/2" | 192 | 7 9/16" | 290 | 11 27/64" | 245 | 9 41/64" |
| S323-14.2-240 | 323,9 | 12 3/4" | 14,2 | 9/16" | 240 | 9 29/64" | 339 | 13 11/32" | 291 | 11 29/64" |
| S406-16-328 | 406,4 | 16" | 16 | 5/8" | 328 | 12 29/32" | 418 | 16 29/64" | 370 | 14 9/16" |
| S508-16-422 | 508 | 20" | 16 | 5/8" | 422 | 16 39/64" | 520 | 20 15/32" | 471 | 18 35/64" |
| S610-16-502 | 609,6 | 24" | 16 | 5/8" | 502 | 19 49/64" | 622 | 24 31/64" | 572 | 22 33/64" |
| S711-16-610 | 711,2 | 28" | 16 | 5/8" | 610 | 24 1/64" | 735 | 28 15/16" | 675 | 26 37/64" |
| S813-16-700 | 812,8 | 32" | 16 | 5/8" | 700 | 27 9/16" | 835 | 32 7/8" | 769 | 30 9/32" |
| S914-16-800 | 914,4 | 36" | 16 | 5/8" | 800 | 31 1/2" | 930 | 36 39/64" | 869 | 34 7/32" |
| S1016-20-880 * | 1016 | 40" | 20 | 25/32" | 880 | 34 41/64" | 1032 | 40 5/8" | 966 | 38 1/32" |
| S1220-20-1080 * | 1219,2 | 48" | 20 | 25/32" | 1080 | 42 33/64" | 1240 | 48 13/16" | 1168 | 45 63/64" |
| S1321-22-1160 * | 1320,8 | 52" | 22 | 55/64" | 1150 | 45 9/32" | 1344 | 52 29/32" | 1247 | 49 3/32" |
| S1422-22-1250 * | 1422,4 | 56" | 22 | 55/64" | 1250 | 49 7/32" | 1446 | 56 59/64" | 1348 | 53 5/64" |
| S1524-22-1340* | 1524 | 60" | 22 | 55/64" | 1340 | 52 3/4" | 1548 | 60 15/16" | 1462 | 57 9/16" |

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