

# SPIRALFLUSH®



## RETRIEVABLE RING BIT SYSTEMS

**RETRIEVABLE RING BIT SYSTEMS** can be used several times. System is designed so that the casing can always be pulled out after drilling. Large ID enables the use of maximum size rock socket and installed elements.



Main **applications** for multi-use retrievable systems are:

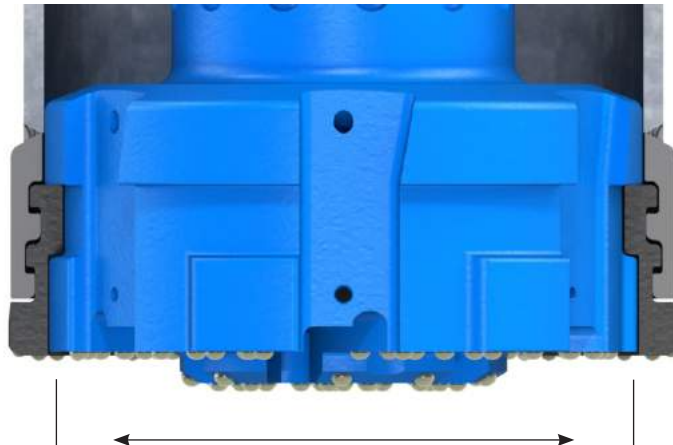
1. In situ piles (skin friction) where casing is fully retrieved
2. Anchoring applications
3. Pre-drilling/temporary casing applications
4. Energy/water wells where casing is fully removed

# RETRIEVABLE SYSTEM DESIGN FEATURES



Integrated wear resistant steel ring set

Slim desing for easy retrieving



Double shoulders for long service life

Large ID for maximum hole through and maximum space for installed elements

System is available from 114 to 1524 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    |
| R114-10-81             | 114,3     | 4.5"    | 10       | 0.394" | 81          | 3.189"  | 122         | 4.803"  | 92,5         | 3.642"  |
| R127-10-95             | 127       | 5"      | 10       | 0.394" | 95          | 3.740"  | 138         | 5.433"  | 105          | 4.134"  |
| R140-10-104            | 139,7     | 5.5"    | 10       | 0.394" | 104         | 4.094"  | 147         | 5.787"  | 118          | 4.647"  |
| R152-10-116            | 152,4     | 6"      | 10       | 0.394" | 116         | 4.567"  | 160         | 6.299"  | 129          | 5.079"  |
| R159-10-122            | 158,8     | 6.25"   | 10       | 0.394" | 122         | 4.803   | 167         | 6.575"  | 136          | 5.354"  |
| R168-10-128            | 168,3     | 6.626"  | 10       | 0.394" | 128         | 5.039"  | 178         | 7.008"  | 146          | 5.748"  |
| R178-10-142            | 177,8     | 7"      | 10       | 0.394" | 142         | 5.591"  | 188         | 7.402"  | 156          | 6.142"  |
| R194-12.7-154          | 193,7     | 7.626"  | 12,7     | 0.5"   | 154         | 6.063"  | 204         | 8.031"  | 165          | 6.496"  |
| R219-12.7-175          | 219,1     | 8.626"  | 12,7     | 0.5"   | 175         | 6.890"  | 229         | 9.016"  | 191          | 7.520"  |
| R244-12.7-200          | 244,5     | 9.625"  | 12,7     | 0.5"   | 200         | 7.874   | 258         | 10.157" | 216          | 8.504"  |
| R254-12.7-210          | 254       | 10"     | 12,7     | 0.5"   | 210         | 8.268"  | 268         | 10.551" | 226          | 8.898"  |
| R273-12.7-226          | 273       | 10.748" | 12,7     | 0.5"   | 226         | 8.898"  | 286         | 11.260" | 245          | 9.646"  |
| R301-12.7-251          | 301,6     | 11.875" | 12,7     | 0.5"   | 251         | 9.882"  | 316         | 12.441" | 273          | 10.748" |
| R323-12.7-273          | 323,9     | 12.748" | 12,7     | 0.5"   | 273         | 10.748" | 338         | 13.307" | 294          | 11.575" |
| R339-12.7-287          | 339,7     | 13.375" | 12,7     | 0.5"   | 287         | 11.299" | 354         | 13.937" | 311          | 12.244" |
| R355-12.7-305          | 355,6     | 14"     | 12,7     | 0.5"   | 305         | 12.008" | 368         | 14.488" | 326          | 12.835" |
| R406-12.7-352          | 406,4     | 16"     | 12,7     | 0.5"   | 352         | 13.858" | 430         | 16.929" | 376          | 14.803" |
| R457-12.7-378          | 457,2     | 18"     | 12,7     | 0.5"   | 378         | 14.882" | 474         | 18.661" | 427          | 16.811" |
| R508-16-446            | 508       | 20"     | 16       | 0.630" | 446         | 17.559" | 538         | 21.181" | 475          | 18.701" |
| R559-16-504            | 558,8     | 22"     | 16       | 0.630" | 504         | 19.843" | 584         | 22.992" | 522          | 20.551" |
| R610-16-555            | 609,6     | 24"     | 16       | 0.630" | 555         | 21.850" | 638         | 25.118" | 574          | 22.598" |
| R660-16-580            | 660,4     | 26"     | 16       | 0.630" | 580         | 22.835" | 680         | 26.772" | 622          | 24.488" |
| R711-16-641            | 711,2     | 28"     | 16       | 0.630" | 641         | 25.236" | 738         | 29.055" | 674          | 26.535" |
| R762-16-685            | 762       | 30"     | 16       | 0.630" | 685         | 26.969" | 788         | 31.024" | 723          | 28.819" |
| R813-16-736            | 812,8     | 32"     | 16       | 0.630" | 736         | 28.976" | 837         | 32.953" | 775          | 30.512" |
| R863-16-775            | 863,6     | 34"     | 16       | 0.630" | 775         | 30.512" | 890         | 35.039" | 823          | 32.402" |
| R914-16-837            | 914,4     | 36"     | 16       | 0.630" | 837         | 32.953" | 940         | 37.008" | 874          | 34.409" |
| R1016-16-926*          | 1016      | 40"     | 16       | 0.630" | 926         | 36.457" | 1042        | 41.024" | 969          | 38.150" |
| R1066-16-970*          | 1066,8    | 42"     | 16       | 0.630" | 970         | 38.190" | 1092        | 42.992" | 1025         | 40.354" |
| R1220-20-1120*         | 1219,2    | 48"     | 20       | 0.787" | 1120        | 44.094" | 1247        | 49.094" | 1163         | 45.787" |
| R1321-22-1210*         | 1320,8    | 52"     | 22       | 0.866" | 1210        | 47.638" | 1349        | 53.110" | 1259         | 49.567" |
| R1524-22-1404*         | 1524      | 60"     | 22       | 0.866" | 1404        | 55.276" | 1552        | 61.102" | 1460         | 57.480" |

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