SPIRALFLUSH®

SOLITARY RING BIT SYSTEM

Solitary ring bit system is designed for drilling end-bearing piles through overburden into bedrock. The system can drill straight and inclined piles through boulders and rock layers and it easily manages situations where the bedrock itself is inclined.

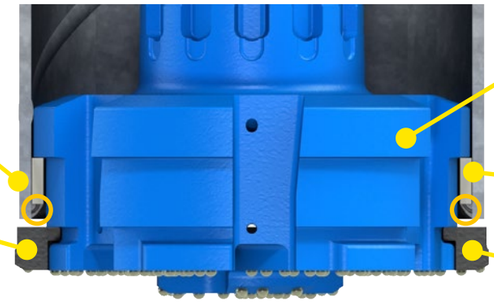
The heavy duty ring bit is not attached to casing shoe, which makes it the most economical option of the ring bit alternatives.

MAIN APPLICATIONS

- End-bearing piles including micro piling
- Pilings with sacrificed casings, which have no large ID ring bit requirements
- Slope stabilization
- Pipe walls, king piles etc.

Mincon™

SOLITARY SYSTEM
114–1 524 mm



System is available from 114 to 1 524 mm casings and for all major shank designs.

SPIRALFLUSH®

System product code	Casing OD mm	Casing OD inch	Max wall mm	Max wall inch	Ring bit ID mm	Ring bit ID inch	Ring bit OD mm	Ring bit OD inch	Pilot bit OD mm	Pilot bit OD inch
S114-8-68	114.3	4.5”	8	0.31”	68	2.68”	125	4.92”	96	3.78”
S127-10-75	127	5”	10	0.39”	75	2.95”	137	5.39”	105	4.13”
S140-10-87	139.7	5.5”	10	0.39”	87	3.43”	149	5.87”	119	4.69”
S152-10-96	152.4	6”	10	0.39”	96	3.78”	162	6.38”	130	5.12”
S159-10-103	158.8	6.25”	10	0.39”	103	4.06”	169	6.65”	137	5.39”
S168-12.7-106	168.3	6.63”	12.7	0.5”	106	4.17”	179	7.05”	141	5.55”
S178-12.7-116	177.8	7”	12.7	0.5”	116	4.57”	188	7.40”	150	5.91”
S194-12.7-125	193.7	7.63”	12.7	0.5”	125	4.92”	205	8.07”	166	6.54”
S219-12.7-150	219.1	8.63”	12.7	0.5”	150	5.91”	230	9.06”	191	7.52”
S244-14.2-170	244.5	9.63”	14.2	0.56”	170	6.69”	257	10.12”	213	8.39”
S254-14.2-172	254	10”	14.2	0.56”	172	6.77”	265	10.43”	223	8.78”
S273-12.7-192	273	10.75”	12.7	0.5”	192	7.56”	286	11.26”	245	9.65”
S301-14.2-220	301.6	11.87”	14.2	0.56”	220	8.66”	312	12.28”	270	10.63”
S323-14.2-241	323.9	12.75”	14.2	0.56”	241	9.49”	335	13.19”	291	11.62”
S339-14.2-255	339.7	13.37”	14.2	0.56”	255	10.04”	350	13.78”	308	12.13”
S355-14.2-270	355.6	14”	14.2	0.56”	270	10.63”	367	14.45”	324	12.76”
S406-16-318	406.4	16”	16	0.63”	318	12.52”	418	16.46”	370	14.57”
S457-16-369	457.2	18”	16	0.63”	369	14.53”	469	18.46”	420	16.54”
S508-16-422	508	20”	16	0.63”	422	16.61”	520	20.47”	471	18.54”
S559-16-470	558.8	22”	16	0.63”	470	18.50”	571	22.48”	521	20.51”
S610-16-502	609.6	24”	16	0.63”	502	19.76”	622	24.49”	572	22.52”
S660-16-545	660.4	26”	16	0.63”	545	21.46”	675	26.57”	615	24.21”
S711-16-610	711.2	28”	16	0.63”	610	24.02”	735	28.94”	675	26.76”
S762-20-655	762	30”	20	0.79”	655	25.79”	785	30.91”	715	28.15”
S813-20-700	812.8	32”	20	0.79”	700	27.56”	830	32.68”	766	30.16”
S863-20-750	863.6	34”	20	0.79”	750	29.53”	880	34.65”	815	32.09”
S914-20-800	914.4	36”	20	0.79”	800	31.50”	930	36.61”	866	34.21”
S1016-20-880	1 016	40”	20	0.79”	880	34.65”	1 032	40.63”	966	38.09”
S1066-20-931	1 066.8	42”	20	0.79”	931	36.65”	1 086	42.76”	1 014	39.92”
S1220-20-1080*	1 219.2	48”	20	0.79”	1 080	42.52”	1 240	48.82”	1 168	45.98”
S1321-22-1160*	1 320.8	52”	22	0.87”	1 150	45.28”	1 344	52.91”	1 247	49.09”
S1422-22-1250*	1 422.4	56”	22	0.87”	1 250	49.21”	1 446	56.93”	1 348	53.07”
S1524-22-1340*	1 524	60”	22	0.87”	1 340	52.76”	1 548	60.94”	1 462	57.56”

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

The solitary double-shoulder pilot is not compatible with the small integrated single-shoulder ring bits.