

INTEGRATED GEN 2 RING BIT SYSTEM



Integrated gen 2 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 robust ring bit is integrated into casing shoe, which makes it safe to drill in loose ground and over water.

The system is compatible with the most common external threaded casing joint couplers.



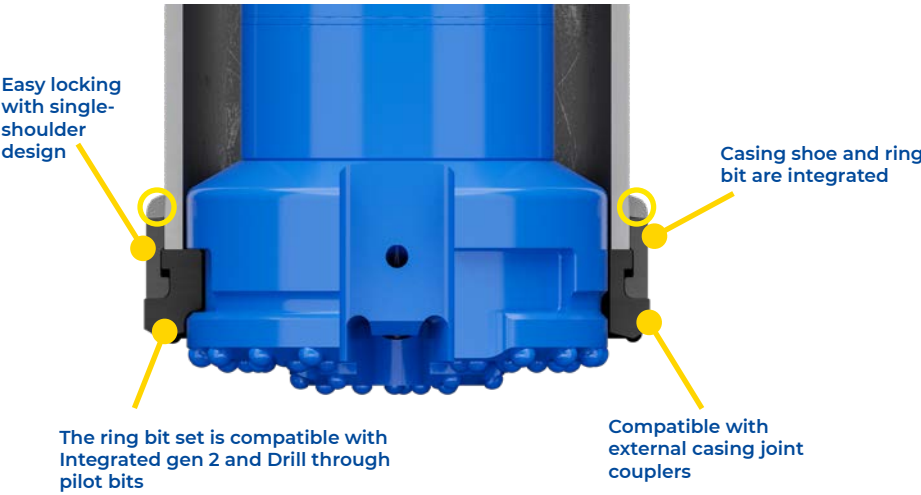
MAIN APPLICATIONS

- End-bearing piles including micro-piling
- Piling with sacrificed casings, which have no large ID ring bit requirements
- Shallow M-Walls

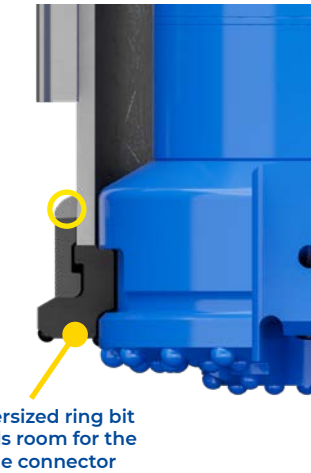


INTEGRATED GEN 2 SYSTEM 114–508 mm

STANDARD CASING SYSTEM



M-WALL CASING SYSTEM



○ = Welding spot

System is available for all major DTH shanks, and in smaller sizes with top hammer threads. Sizes 114–178 can be ordered with Spiral Flush Mini or conventional flushing.

SPIRALFLUSH®

System product code	Casing OD mm	inch	Max wall mm	inch	Ring bit ID mm	inch	Ring bit OD mm	inch	Pilot bit OD mm	inch	Recommended hammer
I114-10-80-GEN2	114.3	4.5"	10	0.39"	80	2.99"	130	5.12"	92	3.50"	MP30-DH
I127-10-87-GEN2	127	5"	10	0.39"	87	3.43"	145	5.71"	105	4.13"	MP30-DH
I140-10-100-GEN2	139.7	5.5"	10	0.39"	102	3.94"	160	6.30"	114	4.49"	MP4H-MQ
I152-10-112-GEN2	152.4	6"	10	0.39"	112	4.41"	172	6.77"	126	4.96"	MP4H-MQ
I159-10-118-GEN2	158.8	6.25"	10	0.39"	118	4.65"	179	7.05"	133	5.24"	MP4H-MQ
I168-12.7-127-GEN2	168.3	6.63"	12.7	0.5"	127	4.92"	189	7.44"	140	5.51"	MP50-MQ
I178-12.7-135-GEN2	177.8	7"	12.7	0.5"	135	5.31"	199	7.83"	150	5.91"	MP50-MQ
I194-12.7-147-GEN2	193.7	7.63"	12.7	0.5"	147	5.79"	221	8.00"	163	6.42"	MP60-MQ
I219-12.7-171-GEN2	219.1	8.63"	12.7	0.5"	171	6.73"	243	9.57"	188	7.40"	MP70-MC-D160
XLI219-12.7-171-GEN2	219.1	8.63"	12.7	0.5"	171	6.73"	273	10.75"	188	7.40"	MP70-MC-D160
I244-12.7-194-GEN2	244.5	9.63"	12.7	0.5"	194	7.64"	269	10.59"	214	8.43"	MP80-MQ
I254-12.7-204-GEN2	254	10"	12.7	0.5"	204	8.03"	279	10.98"	224	9.61"	MP80-MQ
I273-12.7-222-GEN2	273	10.74"	12.7	0.5"	222	8.74"	299	11.77"	243	9.57"	MP80-MQ
XLI273-12.7-222-GEN2	273	10.74"	12.7	0.5"	222	8.74"	327	12.87"	243	9.57"	MP80-MQ
I301-12.7-250-GEN2	301.6	11.87"	12.7	0.5"	250	9.84"	330	12.99"	272	10.71"	MP80-MQ
I323-12.7-272-GEN2	323.9	12.74"	12.7	0.5"	272	10.71"	352	13.86"	294	11.57"	MP100-MC
XLI323-12.7-272-GEN2	323.9	12.74"	12.7	0.5"	272	10.71"	378	14.88"	294	11.57"	MP100-MC
I339-14.2-286-GEN2	339.7	13.37"	14.2	0.56"	286	11.26"	368	14.49"	308	12.13"	MP100-MC
I355-14.2-300-GEN2	355.6	14"	14.2	0.56"	300	11.81"	384	15.12"	324	12.76"	MP100-MC
I406-16-346-GEN2	406.4	16"	16	0.63"	346	13.62"	443	17.44"	370	14.57"	MP120-MC
XLI406-16-346-GEN2	406.4	16"	16	0.63"	346	13.62"	460	18.11"	370	14.57"	MP120-MC
I457-16-393-GEN2	457.2	18"	16	0.63"	393	15.47"	489	19.25"	420	16.54"	MP120-MC
I508-16-442-GEN2	508	20"	16	0.63"	442	17.40"	542	21.34"	471	18.54"	MP150-MC
XLI508-16-442-GEN2	508	20"	16	0.63"	442	17.40"	562	22.13"	471	18.54"	MP150-MC