

LIMITED ACCESS & RESTRICTED HEADROOM PILING

BELPILE

HBR 203
BELPILE

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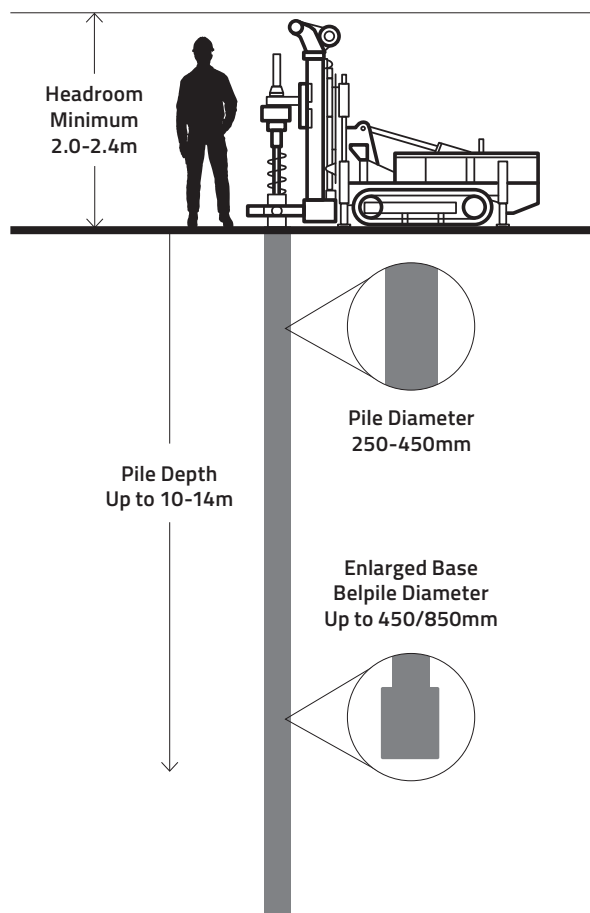
Belpile are industry leaders in limited access and restricted headroom piling applications, having completed a number of large projects across Australia. Our lightweight mini-pile rigs are designed to pass through narrow openings and can operate in headroom as low as 2.0m, making them ideal for working within existing buildings/basements or locations where access for conventional piling machinery is not viable. Due to the size of the equipment and cost effectiveness of container transport, this machinery is a viable option for projects across the country.

With the building and construction industry trending towards more sustainable and environmentally friendly development, a number of multi-storey building refurbishments are requiring upgraded foundations to enable increased structure heights. This technique was employed using enlarged base piling (Belpiles) on the Condor Tower project in Perth, subsequently receiving an engineering excellence award for urban renewal from Engineers Australia.

Belpiles limited access machinery is configured for a sectional continuous flight auger (CFA) technique, making it

ideal for pile installation in unstable ground or below water table applications. With the introduction of our latest machine (Hutte HBR203) we now have the capability of installing 250-450mm diameter piles up to 10-14m deep, depending on ground conditions. An enlarged base solution up to a 450/850mm (shaft/base) pile can provide higher capacities in limited access for a more cost effective solution. Coupled with our in house engineering and restricted headroom static load test capability, Belpile can provide design and construct solutions for most applications.

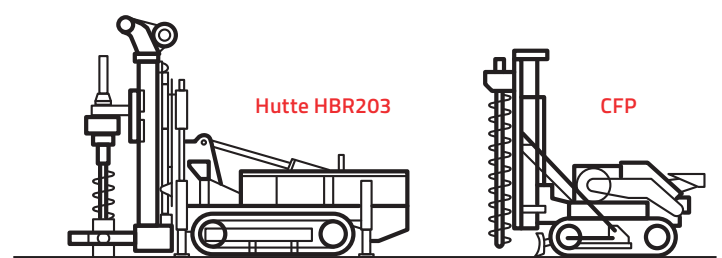
RESTRICTED HEADROOM CAPABILITIES



BELPILE LIMITED ACCESS MACHINERY

Machine	Hutte HBR203	CFP
Operating Weight	6.2t*	1.3t*
Typical Pile Sizes	300-450mm	250-300mm
Pile Depth*	12-14m	10-12m
Sectional CFA Piles	Yes	Yes
Enlarged Base Pile Sizes	300/600mm, 450/850mm	300/600mm
Contiguous/Secant Piling	Yes	Yes

*Powerpack weight additional. *Dependant on ground conditions.





HBR203 working in 2.8m headroom, Health Facility, Midland WA Project



CFP working in 1.3m wide laneway



Static Test in limited headroom



CFP working in 2.2m headroom, Condor Tower Project



Mobilisation/ setup of limited access machinery



HBR203 working in 3.6m headroom and limited space, Adelaide Festival Centre Project



Custom built wall mounted drilling head for close to wall lift pit application



**SAFE.
LOCAL.
INNOVATIVE.**

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