



1. All Centrum precast concrete piles are manufactured in accordance with BS EN 12794:2005 and the relevant parts of BS EN 13369:2004.

2. Centrum precast concrete piles satisfy the requirements for class 1 piles in Table 3 of BS EN 12794:2005 and all CPG pile joints comply with class A requirements in Table 4 of BS EN 12794:2005. CPD pile joints comply with class D requirements in Table 4 of BS EN 12794:2005. All Centrum precast concrete piles carry CE conformity marking in compliance with the Construction Products Regulations.

3. Concrete is class C50/60 in accordance with BS EN 206-1:2000, BS 8500-1:2006 and BS 8500-2:2006. The mix design produces concrete which satisfies the requirements of exposure class XC2 as defined in Table 1 of BS EN 206-1:2000 and design chemical (DC) class DC-4 according to BRE Special Digest 1:2005.

4. Unless otherwise stated standard longitudinal (\*\*) reinforcement comprises 12mm high yield de-coiled steel of grade 500A or 500B to BS 4449:2005, grade 460B to BS 4449:1997, BSt 500 WR to DIN 488 or equivalent. Transverse reinforcement comprises 5mm diameter continuous square helical wire grade of 500 to BS 4482:2005 or BSt 500 G to DIN 488 or equivalent. Nominal cover to the helical reinforcement is 30mm.

5. For additional reinforcement (\*\*\*) details refer to project specific design. The positioning shown in cross section A-A and B-B is indicative only.

6. The "diamond cage" shown in cross section A-A comprises 4 No. 12mm longitudinal bars x 500mm with 5mm helical wire binding which may be incorporated at the head of the pile where hard driving conditions are expected.

Table 1

Pile section size in mm (dimension A)	Type(s) (no. of T12 main bars)	Maximum single segment length	Joint Type
300	8/12/16	16-18*	A
350	8/12/16/20	16-18*	A
400	8/12/16/20	16-18*	A

\* Segments require sufficient lead time for setting up non-standard manufacturing capacity



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Checked by:	JW
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NOT TO SCALE

SPECIAL PILE SEGMENT DRAWING