



# CX TECHNICAL DATA

THE **POWER** TO PERFORM



CX85, mounted on piling rig



CX85, crane suspended, fitted with legs and inserts for driving steel tubular piles



CX110, Crane suspended and fitted with tube guide

The CX range of piling hammers is designed for driving a wide variety of bearing and sheet piles. Available with legs and inserts or pile sleeves for use freely suspended, or with back guides for operating from a piling mast, the CX range have the following important features:

- Total control of hammer stroke and blow rate
- Allows precise matching of energy to suit the pile driving requirements
- Highly efficient hydraulic system gives low energy loss and low running cost
- Simple, fast dolley changing
- Cylinder and dropweight connection with shock absorber, easily accessible
- Cage and dropweight design gives short overall hammer length
- Available with BSP Hydropacks for optimum hammer performance
- Can be operated directly from Hydraulic crane or excavator base
- Can drive piles with ultimate load bearing up to 6000 kN
- Suitable for driving Raked (Batter) Piles



Perform Data	Ram Mass	Max. Impact Energy	Blow Rate @ rated energy	Operating Pressure	Hydraulic Flow Required
MODEL	kg	kNm	bpm	bar	L/min
<b>CX50</b>	4000	51	46	200	180
<b>CX60</b>	5000	60	44	241	215
<b>CX85</b>	7000	83	42	260	215
<b>CX110</b>	9000	106	36	250	215

**PILE TYPES**  
 Typical piles driven singly or in pairs (if ground conditions allow):

Arcelor AZ12 to AZ50, AZ36-700 to 40-700  
 All Arcelor AU Sections. Also, LX / PU / W ranges, USA PZ range, Hoesch H series, 'H' Piles, HP200 to HP400  
 USA HP10" to HP16" Tubes and Concrete bearing piles up to 1220mm OD  
 Plus many others...

Performance related to use with BSP Hydropacks.

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Q05585

BSP: CX Hydraulic Hammer Range



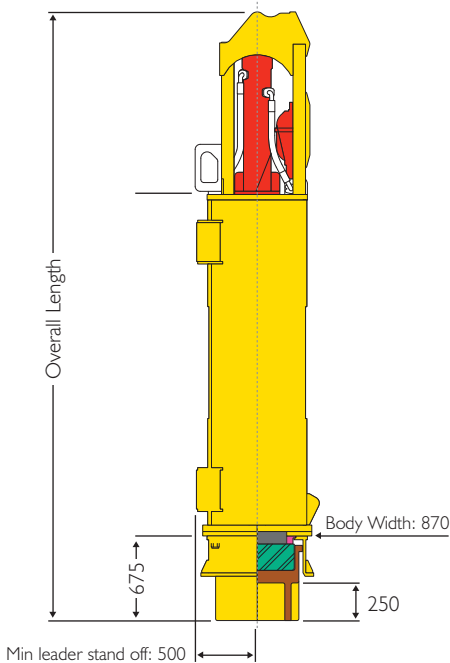
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All CX hammers are available in the following three Standard hammer configurations:

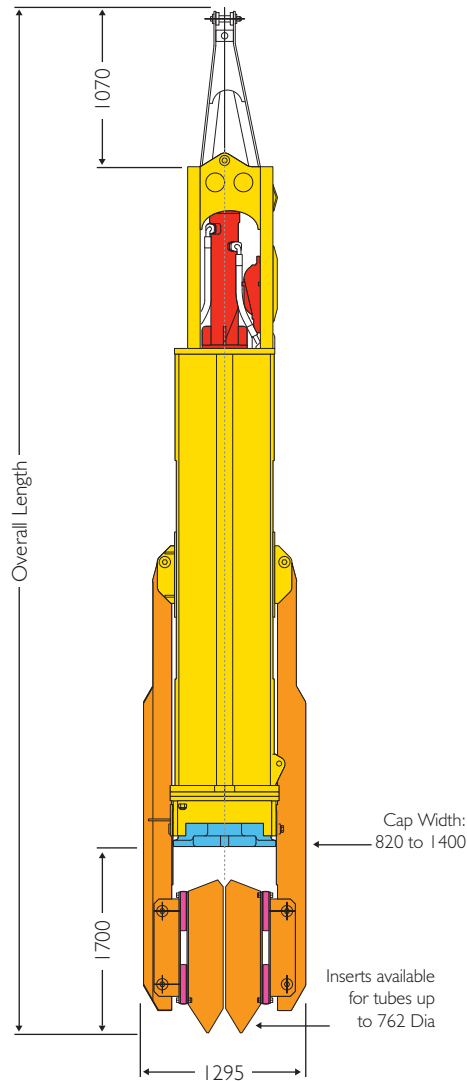
Other options available upon request.

(Dimensions are mm)



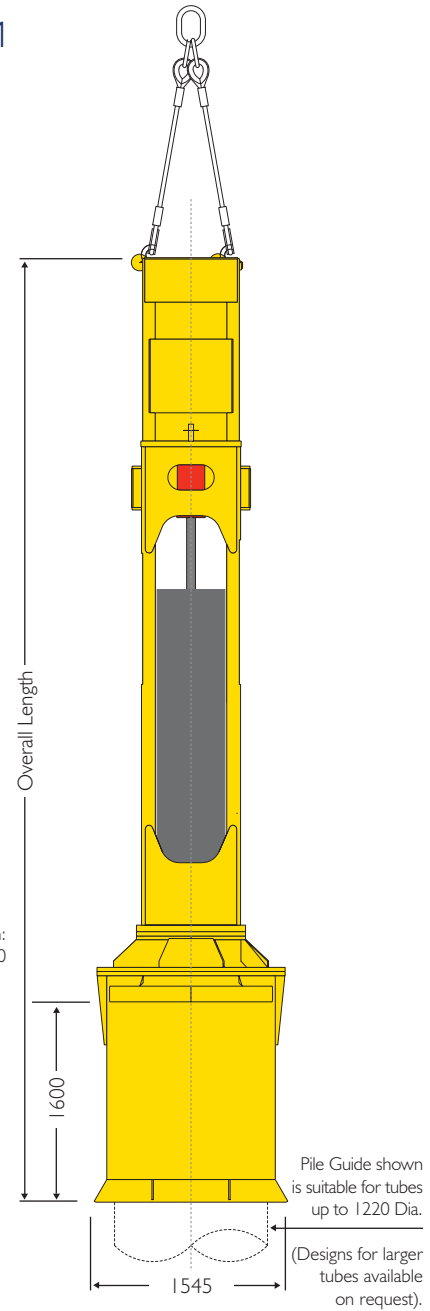
**(A)**

Hammer with back guides for use with leaders. Fitted with  $\phi 610$  helmet. (CX50 illustrated)



**(B)**

Hammer with legs and inserts for driving sheet or bearing piles freely suspended. (CX60 / 85 illustrated)



**(C)**

Hammer with pile guide for driving tubes vertically or at rakes. (CX 110 illustrated)

Table shows approximate weights and dimensions for the hammer configurations that are illustrated above (weight includes typical drive cap or helmet)

Typical Dimensions	(A) Hammer with back guides for leader operation		(B) Hammer with legs & inserts Freely suspended		(C) Hammer with $\phi$ 1.22m Pile Guide Freely suspended	
	Overall Length (mm)	Weight (kg)	Overall Length (mm)	Weight (kg)	Overall Length (mm)	Weight (kg)
<b>CX50</b>	5020	7799	7325	9150	Contact BSP	Contact BSP
<b>CX60</b>	5863	9159	8170	10500	Contact BSP	Contact BSP
<b>CX85</b>	5863	11452	8170	12500	8400	14276
<b>CX110</b>	6380	14107	8680	15100	8910	16524

The above weights and dimensions are given as a typical guide only. Designs can vary to suit customer specific applications and pile type. Contact BSP for greater detail.

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