

Job Report

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BSP SL30da 2.5t hammer

PROJECT SUMMARY

Project	Cockatoo Island
Client	HWE Mining (Henry Walker Eltin) and Portman Mining
Contractor	Marine & Civil
Location	Cockatoo Island Kimberley Coast

The **BSP SL 30da** hammers are designed to drive sheet piles and small bearing piles of concrete steel or timber.

SPECIFICATIONS AT A GLANCE

Dropweight Mass	kg	2500
Maximum energy	kJ	30
Blow rate @ maximum energy	blow/min	84
Equivalent SA stroke	m	0.1 - 1.25
Hydraulic supply	l/min	130
Hydraulic pressure	bar	220
Hammer weight	kg	5400
Hammer length (with legs)	m	4.575
Hammer width	m	0.915
Power pack details		
Engine power	kw	53
Weight	kg	1800



ThyssenKrupp Steelcom has supplied Marine & Civil Construction Pty Ltd. the BSP SL30da 2.5t hammer to drive piles at its Cockatoo Island Project.

The BSP SL30da hammer with a max impact energy of 30 kJ and blow rate of 84bpm, performed really well. According to the project supervisor, Kim Lamont of Marine & Civil, "the drive times were about half of that of the air hammer".

Driven pile length were 14m with pan thickness of 13-19mm and were 600 in width. The piles were driven to varied depths from 13m down to 7m. The double acting cylinder produces high impact energy from a short stroke giving a high blow rate.

The BSP SL30 da is available with legs and inserts for use as freely suspended or with backguides for operating from a piling mast. For this project, the hammer was operated attached to the crane by kobie leader mast system.

ThyssenKrupp Steelcom, despite the remote situation

the hammer was in, did carry out maintenance on site to the customer's complete satisfaction. Talk about total customer service and product support!

The SL range hammers are sized for driving single piles and can pass between upstanding piles. The low hook weight and relatively small hydraulic power required to operate, make these hammers an economical option for the construction of pile walls, coffer dams and temporary earthworks.

ThyssenKrupp Steelcom offers total piling solutions including hire and sell of steel sheet piles, impact and vibratory piling hammers ranging from excavator mounted to large crane suspended units, as well as, foundation equipment.

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