



BHP – Port Ore Handling Replacement Shiploader

<u>Company:</u>	BHP Pty Ltd
<u>Location:</u>	Finucane Island, Western Australia
<u>Commissioning:</u>	1999
<u>Machine Type:</u>	Travelling, luffing, and shuttling shiploader.



General:

This shiploader, designed, manufactured, and delivered by ThyssenKrupp Engineering (Australia), was supplied to BHP to replace an existing older machine.

Its' travelling, luffing, and shuttling features allows it to access the entire hold of the vessel, and permit efficient and economical loading at all times. Capable of handling virtually any size of iron ore, including fines, lumps, and briquettes, it has become an important part of BHP's HBI operations, having a loading capacity of 8,000 tph for iron ore fines and lumps, and 4,000tph for briquettes.

The machine was fully erected and commissioned off-site in Perth, and transported to Finucane Island via a heavy lift vessel. This methodology had significant benefits by allowing the old shiploader to be demolished and replaced by the new machine within a 2-week period.

Technical Data:

Material:	Iron ore fines and lumps, briquettes	Shuttle travel:	29.5 m
Capacity (fines/lumps):	8,000 tph	Shuttle speed:	6 – 18 m/min
Capacity (briquettes):	4,000 tph	Boom belt width:	1,500 mm
Travel speed (retracted):	3 – 30 m/min	Boom belt speed:	5.4 m/sec
Travel speed (extended):	max. 18 m/min	Tripper belt width:	1,050 mm
		Tripper belt speed:	5.2 m/sec

For further information on any of our projects, please contact ThyssenKrupp Engineering (Australia) on +61 8 9277 0000 or E-mail at email@krupp.com.au