

Hay Point Port (Australia)



Project description

The Port of Hay Point in north-eastern Australia is one of the largest coal export ports in the world, serving the state of Queensland's strong coal mining industry. It comprises two terminals, each of which has purpose-built rail in-loading facilities, onshore stockpile yards and offshore wharfs. The offshore wharfs are serviced by conveyor systems, supported on jetties, which run out to sea and allow loading in deep water. To enable the port to cater for growing demand, it had to be expanded with the addition of new wharfs and associated infrastructure.

mageba scope

To provide bearing support for the new wharfs and a number of other critical structures during the port's expansion project, mageba supplied a large number of elastomeric strip bearings. These pre-drilled bearings, typically with a thickness of 25 mm and of elastomer of type 60H in accordance with AS5100.4 Appendix B, had a total length of over 1.25 kilometres. By absorbing vibrations, the use of these bearings enables the supported heavy-duty structures to withstand the impacts and demanding loading conditions arising in this industrial facility.

Highlights & facts

mageba products:

Type: Pre-drilled elastomeric strip bearings
Quantity: 1.25 km in length
Installation: 2013

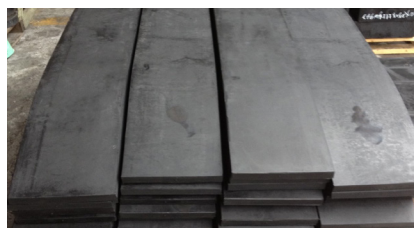
Structure:

City: Hay Point
Country: Australia
Facility: Coal export terminal
Built: 1971
Expansion: 2013
Type: New wharfs and associated structures
Contractor: MDGS JV

Hay Point Port is located in northeast Australia, on Queensland's east coast.



Elastomeric bearing strips of thickness 25mm, prior to drilling of 50mm-diameter fixation holes.



Construction of an offshore wharf, using Mageba elastomeric strip bearings.

