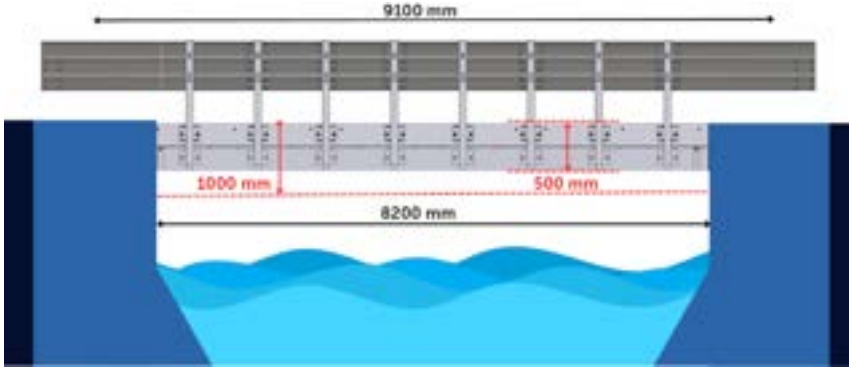
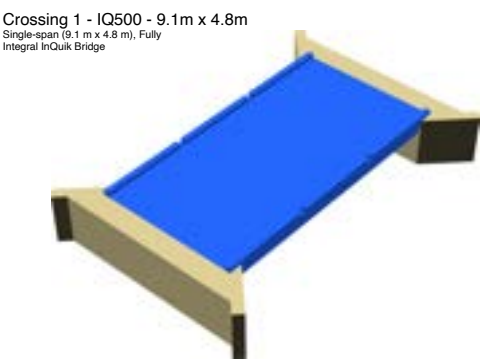


The InQuik IQ500 Bridge

InQuik are proud to launch the IQ500 bridge. This deck design was requested by customers who wanted a longer span but lower profile bridge. The IQ500 meets AS5100 (2017), is load rated to SM1600 (160 tonnes) and has a 100-year design life.

The IQ500 has a 9.1 m span with a girder depth of 500 mm, which is the minimum required to support a bridge of this length and load rating. The shallow girder depth can reduce potential water afflux issues. Water afflux occurs when the flow path of a waterway is reduced to less than its natural width due to obstruction. Bridges have the potential to cause a water backlog, which raises the water level upstream and creates higher velocities downstream of the structure, particularly in flood situations.





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Bridges are a much more environmentally friendly water crossing alternative to all types of culverts, as they have minimal to no disturbance to the waterway during construction, and they allow full unrestricted passage of aquatic fauna.

InQuik's "place and pour" methodology means that the IQ500 Bridge can be installed by semi-skilled labour over 2-3 days on-site. The lightweight deck panels are easily placed in position using a lightweight crane.

As well as council and farm projects, the increased span of the InQuik IQ500 bridge is perfect for service roads, solar/wind farms and box culvert replacements where the extra length is required but reduced girder profile height will allow for better water flow.

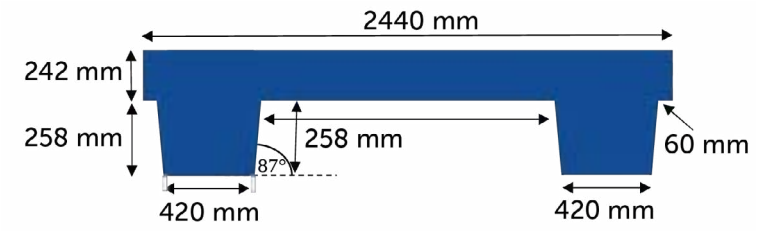
Product	Bridge			Features
	Span	Height	Width	
InQuik IQ500	**9.1 m**	**500 mm**	**4.84 – 14.4 m**	• SM1600 load rating • Integral connection both ends • Low performance barrier

*All standard InQuik deck panels are 2440 mm wide and are placed side-by-side with ~40 mm overlap between the deck panels (e.g.: a bridge that is 2 panels wide is therefore 4.84 m in width). InQuik can also use up to 550 mm extension spacers between the deck panels to widen the deck width.

The InQuik bridge system is an innovative Australian designed and manufactured product with huge benefits for key Council and Federal Government projects.

The InQuik solution reduces cost and complexity and accelerates the bridge construction process. This enables Councils, disaster relief agencies, and road authorities to upgrade or construct infrastructure cost effectively and efficiently.

InQuik manufacturing is based out of Newcastle, NSW, it is made with Australian steel, and is certified by SMEC to comply with AS5100 requirements.





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