



# Turnout bearers

Above:  
Perth Metro Rail,  
diamond crossover

Humes has over ten years experience in the manufacture of a wide range of turnout bearers, including conventional flat and canted, tangential, diamond, crossover, scissor, single and double slip, dual gauge, catchpoint, flangeway running bearers and concrete cant reducing bearers.

In that time Humes has built strong relationships with all the major turnout steelwork manufacturers (Vossloh, VAE, PRE, Martinus Rail, HHTS) by providing them with a high quality of concrete bearers and level of service. Humes understand the importance of accuracy and reliability when supplying products to the rail industry, and our team has proven that it can be relied upon to react quickly when required.

*"Humes has been a supplier to Vossloh Cogifer Australia Pty Ltd for just over two years. We find Humes to be a very reliable and high quality supplier who strives to meet all of our requirements."*

**Charles Borg, Contracts & Procurement Manager  
Vossloh Cogifer Australia Pty Ltd**

*"The team at Humes have a proactive approach to the rail industry, especially in turnout bearers, whether it's a new design or a standard design, the team at Humes work with voestalpine VAE Railway Systems to get the job done."*

**Andrew Bussey, Logistics Manager  
voestalpine VAE Railway Systems Pty Ltd**

*"Martinus Rail has been working closely with Humes over a number of years to develop concrete turnout bearers for use in our turnouts. Throughout the process we have found Humes staff are able to deliver on their promises and the quality of the product is second to none."*

**Nathan Deane, Senior Project Manager  
Martinus Rail Pty Ltd**

Top:  
Factory layout for  
QA inspection

Middle:  
Installed turnout  
bearers

Bottom:  
Cant reducing  
bearers

### General information

A turnout is a complete track assembly that allows rolling stock (trains with wagons) to converge or diverge into, or from a single track. Humes produce many different sets of turnouts, with each set being made to a unique design provided by the client. The number of bearers in each set varies widely - some sets may only have 10 bearers while others may have as many as 130 bearers, and some may have a combination of two or more arrangements (i.e. crossover sets). The rail seats can be either flat (for steel plates) or canted.

We currently have enough tooling to produce as many as 65 different client specific sets. In addition to the client specific sets, we also supply standard gauge (SG) and narrow gauge (NG) flat bearers. Humes has also recently started supplying cant reducing bearers to suit NG and SG 60kg rails, which have been well received as they are less expensive than the traditional steel reducing plates.

### Production capacity

In the last few years Humes has supplied turnout bearers for a number of rail projects in Western Australia and South Australia including FMG Rail, Perth City Link Rail, Rio Tinto Rail, and the Perth Metro Railway Upgrade.

Our current production capacity between the Welshpool and Gnangara plant is 45 tonnes/day (295 m of product), which is approximately about 85 bearers/day. In order to ensure that the correct full sets are delivered very strict production and quality systems are in place.



**Humes**  
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