

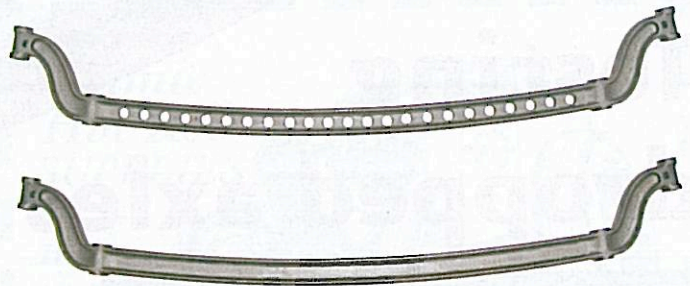
Jigs were made to complete these tests and with the help of a local and very helpful TAFE they were able use their 100T press to undertake these tests.

Peter completed the tests using load cell, hydraulic pressure gauges and a long list of equations. The axles completed every test required with flying colours and even Peter was surprised with some of the results that were achieved.

Peter then took all the information from the physical test, product information, material information and worked through all this information ensuring that the components had not only met but exceeded the mandated requirements.

The end result is beam axles and beam axle kits that far exceed the requirements of all National, State and ASRF requirements and an extremely conservative allowable front axle weight of 800kg. Another significant outcome

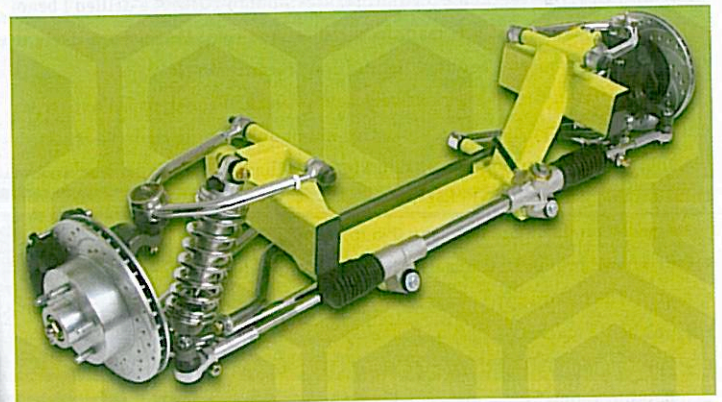
from this test is that Hoffmans deliberately elected to test what was potentially their weakest axle, the longest version with drilled beam. In the case of the axle itself, it actually tested safely to double its certified strength. It would have to be a very big street rod to have a front end load of more than 800 kilograms.



The overall strength of the Hoffman axles is considerable higher than all others that were tested. Of the axles tested by Hoffmans (the good ones) were around the 400Mpa point, while theirs is 568Mpa.

The material used is high in strength but also retains a similar elasticity to ductile grey iron with an added bonus of very high wear resistance.

The good news for hot rodders generally is that the axle easily passed all tests, in fact not only the axle, but all of the front end components passed with flying colours. Now each Hoffman Group axle or front end kit will come with the engineer certification document as shown in this article. We have reproduced here the photos of the testing being performed on the components. The Hoffman Group are now undertaking engineer certification for their independent front end kits as well.



Having undertaken this testing procedure, the Hoffman Group have set the bar for all other manufacturers, It will be interesting to see who will be next to have their front end components certified to Australian registration standards.

HOFFMANGROUP
Performance Thru Innovation

**Certification For Beam Axles and Beam Axle Kits
As Manufactured by The Hoffman Group LLC**

Serial #
Part #

Welcome to The Hoffman Group

Thank you for purchasing a Beam Axle and/or a Beam Axle Kit from Vintage Auto Parts and/or Helix Suspension.

Our Beam Axles and Beam Axle Kits have been independently tested for strength, impact, durability, conformity and load carrying capabilities by an RMS certified engineer (ADR Compliance Service) for compliance and/or conformity with the appropriate Australian Standard, NSW Standards, National Codes of Practice - DOTARS and the guideline as noted in the Australian Street Rod Federation - Street Rod Manual.

The independent engineer has found that the Vintage Auto Parts and/or Helix Suspension Beam Axles and the additional components to complete a Beam Axle Kit meet or exceed the requirement of the above authorities and are approved for vehicles of up to 800kg front axle weight.

A copy of the certification as produced by ADR Compliance Service is attached with this letter.

If your registration authority, engineer or certifier have any question regarding this certification and/or our Vintage Auto Parts / Helix Suspension Beam Axles and/or Beam Axle Kits they can forwarded their enquirers to

The Hoffman Group LLC
Email: sales_au@thehoffmangroup.com
Ph: 02 8014 9345

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Kind regards

The Hoffman Group LLC (Australia)

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