



TECHNICAL APPROVAL

www.steelcertification.com

Certificate Number: 1002

Australasian Certification Authority for Reinforcing and Structural Steels Ltd

# Certificate of Approval

## Technical Approval Certification

This is to Certify that

**DYWIDAG-SYSTEMS INTERNATIONAL**

manufactured under exclusive agreement by Stahlwerk Annahütte

**AINRING, GERMANY**

has satisfied the Australasian Certification Authority for Reinforcing and Structural Steels Ltd that it supplies:

Product:	S670/800 Continuously Threaded Bar 18mm-75mm
Scheme:	ACRS Scheme Rules – Technical Approval Certification
Normative document:	AS/NZS 4671

By authority of  
ACRS Board:
  
 Philip Sanders, Executive Director

Valid until:

31 December 2018

Date issued:

1 March 2016



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### Grade S670/800 Thread Bar (Gewi+)

Grade S670/800 manufactured by SAH has been assessed by ACRS against the requirements of AS/NZS 4671 with the following exceptions listed below. Note: Some limited preheat may be required for bar diameters > 25 mm in certain low energy input weld conditions. Refer AS/NZS 1554 Pt 3 for suitable guidelines.

Table 1: Cast Analysis

18 to 43	mm	Ceq 0.53 max	✓
50 to 75	mm	Ceq 0.60 max	✓

Table 4: Mandrel Diameter

18 to 43	mm	6d	✓
> 50mm	Not intended for bending		✓

Table 2 Characteristic Yield Stress 670N/mm<sup>2</sup>

Section 7.4.2.4 Specific Projected Area

18 to 75	mm	$F_r \geq 0.056$	✓
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### Bar Markings: Section 9.1 and 9.2

18 to 75 mm. SAS 670/800 1: See below.

#### S670/800 Continuously Threaded Bar

