

2024

VALID TO 31 Dec

Australasian Certification Authority for
Reinforcing and Structural Steels Ltd



PRODUCT CERTIFICATION
www.steelcertification.com

CERTIFICATE OF APPROVAL

Technical Approval

This is to certify that

Dywidag -Systems International Pty Ltd (SAH)



at

Stahlwerk Annahütte Max Aicher GmbH & Co. KG

Max-Aicher-Allee 1+2 Ainring Bavaria Germany D-83404

has satisfied the Authority that it complies with the rules of the ACRS Product Certification Scheme for Technical Approvals and is entitled to use the ACRS mark in relation to the products listed on this certificate.

SCOPE OF CERTIFICATION

Product: Continuously Threaded Bar B500: 12mm - 75mm, B555: 57.5mm - 63.5mm

Scheme: ACRS Scheme Rules

Normative document: AS/NZS 4671:2019, except for Ceq and standard grades

Note: Grade B500/B550 material manufactured by SAH to DIN 488-1 2009 – Reinforcing Steels - Part 1, has been assessed by ACRS against the requirements of AS/NZ 4671:2019 and is Approved as meeting the minimum requirements of AS/NZS 4671:2019 for Grade 500N, with the exceptions of product grade marking (as shown, below) and carbon equivalent (Ceq).

This product is manufactured to a maximum Ceq from cast analysis of 0.49% (AS/NZS 4671:2019 = 0.44%, maximum). As such, some limited preheat may be required for bar diameters > 25mm in certain low energy input weld conditions. Refer AS/NZS 1554 Pt 3 for suitable guidelines.

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority.

CERTIFICATE NUMBER	VERSION	FIRST APPROVAL	ISSUE DATE	EXPIRY DATE
T1001	1	01 March 2016	01 January 2024	31 December 2024

SIGNED FOR ACRS

Andrew Wheeler,
Executive Director

AUSTRALASIAN CERTIFICATION AUTHORITY FOR REINFORCING AND STRUCTURAL
STEELS LTD | ABN: 40 096 692 545 | PO BOX 1369, CROWS NEST NSW 1585, AUSTRALIA

To check the validity of this certificate please scan the above Static QR Code with the ACRS
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Cert. Ref.: 019-02 T1001 1

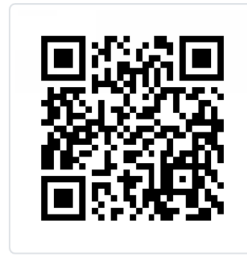
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Certificate Number: T1001

Dywidag -Systems International Pty Ltd (SAH)

at

Stahlwerk Annahütte Max Aicher GmbH & Co. KG

Max-Aicher-Allee 1+2 Ainning Bavaria Germany D-83404



Products assessed by ACRS to the following Standards:

Grade B500 / B555 Thread Bar (Gewi)

Grade B500/B555 manufactured by SAH has been assessed by ACRS against the requirements of AS/NZS 4671:2019 and meets all minimum requirements of the Standard for Grade 500N 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.

Cast Analysis: 12 to 50mm - Ceq 0.50 max, 57.5 to 63.5mm - Ceq 0.60 max

Mandrel Diameter: ≤16mm - 3d, 18 to 43mm - 4d, ≥50mm - not intended for bending

Section 7.4.2.4 Relative Projected Rib Area: 12mm - Fr ≥ 0.040, 14 to 75mm - Fr ≥ 0.056

Bar Markings: Section 9.1 and 9.2

- 12 to 50mm and 75mm - 'SAS 500/550' and rolling mark (shown below)
- 57.5 to 63.5mm - 'SAS 555/700' and rolling mark

Approved Company Information

Marking



Tag



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