INTERNATIONAL DRILLING EQUIPMENT

13/05/19
Corey Hawke
Anti-Dumping Commission

By email: clientsupport@adcommission.gov.au

SUBJECT: EX0071 & EX0071: Threadbar Substitution

I refer to the anti-dumping commission letter dated of 6 May 2019, more specifically your question: "*Can you advise whether REIDbar at 25mm and 32mm diameters would be possible to substitute to the exemption goods 28mm and 40mm diameters?*"

The sort answer is no because they have a smaller cross-section area and they are not as strong.

Based on the attached REIDbar and BBV threadbar specifications, the minimum yield of the 25mm REIDbar is 245.5kN whereas it is 307.5kN for the 28mm BBV threadbar. Similarly, the minimum yield of the 32mm REIDbar is 402kN whereas it is 630kN for the 40mm BBV threadbar.

Best regards

Steve Dubé
Sales Manager
IDE Australia

3.2 ReidBar™ Specifications and Sizes

Bar Diameter (mm)	Grade	Nom Thread Pitch (mm)	Characteristic Values				Mass (kg/m)	Nom Area (mm²)	Min Hole Dia. to Pass Bar (mm)	Part No
			Min Yield Stress (MPa)	Min Yield Strength (kN)	Min Ultimate Strength (kN)	Min Shear (.62 min ult)				
12	500E	8	500	56.5	61.0	37.8	0.91	113	15	RB12
16	500N	9	500	100.6	108.5	67.3	1.62	201	20	RBA16
20	500N	10	500	157.0	169.6	105.2	2.53	314	24	RBA20
25	500N	12.9	500	245.5	265.1	164.4	3.95	491	29	RB25
32	500N	16.4	500	402.0	434.2	269.2	6.47	804	38	RB32

AS/NZS4671:2001 defines the characteristic value as that value which has a 95% probability that it will not be lower than 95% of the minimum listed value, and not be higher than 105% above the upper listed value.

Note: In the table above and subsequent tables Char Min = Characteristic Minimum, Char Max = Characteristic Maximum.

For applicable capacity reduction factors, please refer to AS3600: 2009

Youngs modulus (E) is nominally 200GPa.

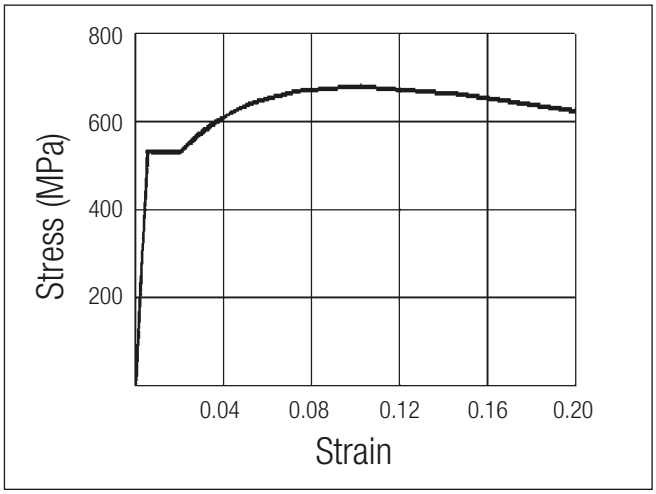
ReidBar™ is manufactured in both New Zealand and Australia and satisfies the requirements of the standard for “Steel Reinforcing Materials, AS/NZS4671:2001”. The bars are hot rolled with the deformations forming a continuous right hand thread.

RB12 ReidBar™ is manufactured in New Zealand and is micro alloyed, 500E grade. RBA16 to RB32 ReidBar™ is manufactured in Australia using the TEMPCORE process.

Reidbar™ is a part of a proprietary system using a range of fittings to simplify reinforcement detailing.

With the exception of formwork fittings and the 32mm ReidBrace™ system, all Reidbar™ system fittings develop the breaking strength of Reidbar™. This is defined as 1.08 x 500MPa = 540MPa in the Reidbar™.

Typical Characteristics



BBV 500N BAR SYSTEM

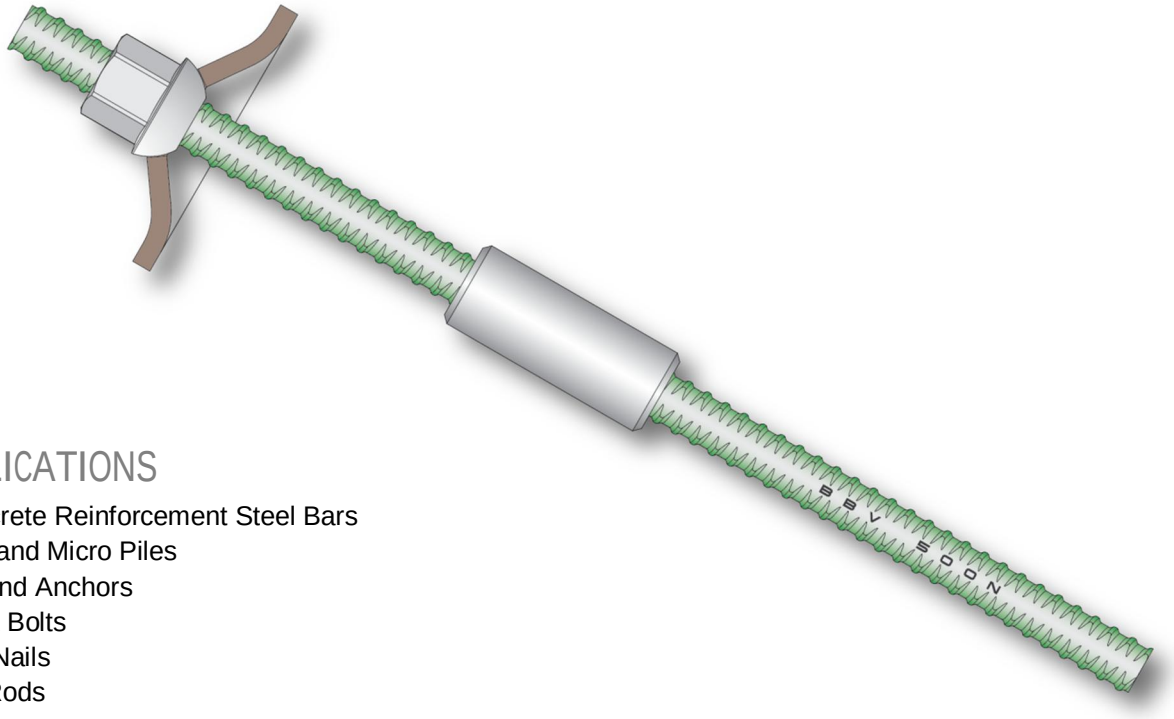
Conforming to AS/NZS 4671 standard and certified by ACRS. Produced under quality management systems ISO 9001 : 2008.

Robust hot rolled continuous thread profile offers high bond strength, can be cut and coupled at any point, low susceptibility to mechanical damage, easy installation and cleaning.

Supported with a wide range of proprietary accessories to accommodate multiple applications. Tailor made solutions can also be designed on a case by case basis.

Corrosion protection systems for geotechnical application in accordance RMS R64 and MRTS03 or other international standards such as BS8081, DIN EN 1537 can be provided. Hot dip galvanizing according to AS/NZS 4680.

Value added services including cutting and bending or prefabrication of cages and modules upon request.



APPLICATIONS

- Concrete Reinforcement Steel Bars
- Mini and Micro Piles
- Ground Anchors
- Rock Bolts
- Soil Nails
- Tie Rods

BBV 500N BAR PROPERTIES

Steel Grade*	N/mm²					
Nominal Bar Diameter	mm	**20**	**25**	**28**	**32**	**40**
Nominal Sectional Area	mm²	314	491	615	804	1260
Nominal Weight	kg/m	2.47	3.85	4.83	6.31	9.86
Over Thread Diameter	mm	22	27.6	31	35.3	43.8
Pitch, left-hand Thread	mm	9	11	13	14	16
Yield Strength (Re)*	N/mm²	500 - 650	500 - 650	500 - 650	500 - 650	500 - 650
Tensile Strength (Rm)*	N/mm²	-	-	-	-	-
Ratio (Rm/Re)*	-	1.08	1.08	1.08	1.08	1.08
Min. Uniform Elongation Agt*	%	5	5	5	5	5
Min. Yield Load*	kN	157	245.5	307.5	402	630
Min. Ultimate Load**	kN	195	304	381	498	781

* Conforming to AS/NZS 4671:2001 ** Product Specification