



ATB HAMBURG

B500B RIBBED REBAR

Premium Product Datasheet | Technical Specification

1. GUARANTEED TECHNICAL PROPERTIES

Property	Unit	Value	Description
Yield Strength (Re)	MPa	500	Characteristic (5% fractile)
Tensile Strength (Rm)	MPa	540	Rm/Re $\geq$ 1.08
Elongation (Agt)	%	5.0	Ductility Class B
Max Yield (Re,max)	MPa	650	—
Weldability	—	Good	Low carbon equivalent

2. STANDARD SIZES & WEIGHTS

Dia. (mm)	Weight per Meter (kg/m)	Cross Section Area (mm²)	Standard Lengths (m)
8	0.395	50.3	6-12
10	0.617	78.5	6-12
12	0.888	113.0	6-18
14	1.210	154.0	6-18
16	1.580	201.0	6-18
20	2.470	314.0	6-18
25	3.850	491.0	6-18
28	4.830	616.0	6-18
32	6.310	804.0	6-18
40	9.870	1257.0	6-18

Dimensional tolerances and ribbing pattern in full accordance with BS 4449:2005 / DIN 488

3. STANDARDS, PRODUCTION & APPLICATIONS

Standards & Certifications	BS 4449:2005 B500B, TS 708, DIN 488, KOMO BRL 0501
Production Method	Hot Rolled, Water Cooled, Ribbed
Applications	Foundations, beams, columns, general construction

Custom Lengths & Standards

Custom lengths available on request. All rebars manufactured in full compliance with BS 4449:2005 / DIN 488 to ensure complete compatibility with international construction standards.

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