

1. DESCRIPTION

Weldable ribbed steel bars in coils for concrete reinforcement according to AS/NZS 4671 grade D500N.

2. HEAT CHEMICAL COMPOSITION

	Limits	C %	P %	S %	Ceq %
AS/NZS 4671 D500N	max	0.22	0.050	0.050	0.44

3. MECHANICAL PROPERTIES AND DIMENSION TOLERANCES

Standard	Steel grade	Diameter Range mm	Weight Toll. %	Re min N/mm ²	Re max N/mm ²	Rm/Re min	Agt min %	Bend α , k
AS/NZS 4671	D500N	10 ÷ 20	± 4,5	500	650	1.08	5	Note

NOTES:

- test on sample straight by machine and aged 100°/1h;
- for $d \leq 16$ mm bend and rebend test: $k=4$, bend $\alpha=90^\circ$ and bend back $\beta=90^\circ$ after ageing 100°C/1h;
- for $d=20$ mm bend test: $k=4$, bend $\alpha=180^\circ$;
- f_R minimum values: 0.052 for $d=10$ mm; 0.056 for $d>10$ mm. Calculation according to paragraph C3.1.4 of AS/NZS 4671 (crescent rib).

4. STANDARD PACKAGING

In coils of standard weight 2.4t and 4.8 t. Internal diameter 700 mm, height 900mm, max width 1050 mm (2.4 t) and 1320 mm (4.8 t). Tied with 4 metallic strips.

5. STANDARD IDENTIFICATION

Each coil with diameter painted on the surface and label reporting:

PITTINI
JUMBO SPOOLED
HEAT N°
WEIGHT t
DIAMETER mm
DATE
REFERENCE STANDARDS
PRODUCT CERTIFICATION LOGOS

6. STANDARD CERTIFICATION

On demand test certificate 3.1 according to EN 10204.

7. APPROVALS

ACRS (Australia).

8. IDENTIFICATION MARK

Mark 1-7

