



B500B – HUNGARY

STANDARD: DIN488-1:2009 / MSZ/T 339:2012.03

PRODUCT TYPE: B500B BETONACÉL RUDAK

DIMENSION: \varnothing mm 8 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24 - 25 - 26 - 28

CHEMICAL COMPOSITION (%)

| | C | S | P | Cu | N | Ceq |
|------------------|------|-------|-------|------|-------|------|
| Cast analysis | 0,22 | 0,050 | 0,050 | 0,80 | 0,012 | 0,50 |
| Product analysis | 0,24 | 0,055 | 0,055 | 0,85 | 0,014 | 0,52 |

MECHANICAL PROPERTIES

| | Min | MAX |
|---|-------------------|-----|
| UPPER YIELD STRENGTH R_{eH} (MPa) | 500 | 650 |
| R_m/R_{eH} | 1,08 | |
| PERCENTAGE TOTAL ELONGATION AT MAXIMUM FORCE A_{gt} (%) | 5,0 | |
| ELONGATION A_5 (%) | 18 (valore medio) | |

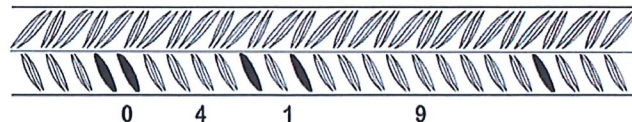
GEOMETRY

| | | |
|---------------------------------|---------------------------|--------------|
| DEVIATION FROM NOMINAL MASS (%) | $\varnothing \leq 8$ | $\pm 6,0$ |
| | $\varnothing \geq 12$ | $\pm 4,5$ |
| RELATIVE RIB AREA f_R | $\varnothing = 8 \div 12$ | $\geq 0,045$ |
| | $\varnothing > 12$ | $\geq 0,056$ |

BEND AN RE-BAND

| Angle of bend | Ageing | Angle of re-bend |
|--------------------------|--|-----------------------|
| = 90° | 1 h (-0,+15 min) at 100°C $\pm 10^\circ$ C | $\geq 20^\circ$ |
| Bend mandrel | | |
| $\varnothing \leq 16$ mm | $16 < \varnothing \leq 25$ mm | $\varnothing > 25$ mm |
| 5 \varnothing | 8 \varnothing | 10 \varnothing |

MARKING



QSE

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