



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)	

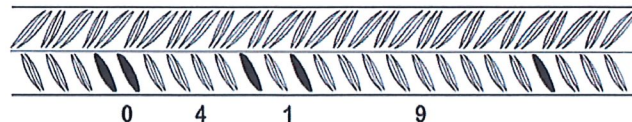
GEOMETRY

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
$= 90^\circ$	1 h (-0,+15 min) at $100^\circ\text{C} \pm 10^\circ\text{C}$	$\geq 20^\circ$
Bend mandrel		
$\varnothing \leq 16$ mm	$16 < \varnothing \leq 25$ mm	$\varnothing > 25$ mm
$5\varnothing$	$8\varnothing$	$10\varnothing$

MARKING



QSE

Mario Baruzzi

QSM

Andrea Brunori