



Hot rolled concrete reinforcing stretched coils



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weldable in Thygrip winding machines

500TS - B500B - Be500TS

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CHEMICAL COMPOSITION

Country	Standard/ Specification	Grade	Chemical composition Analysis on casting % max (in mass)				
			C	P	S	N	CEV
Belgium	NBN A 24-302	BE 500 TS	0,22	0,050	0,050	0,012	0,50
France	NF A 35-080-1	B500B	0,22	0,050	0,050	0,012	0,50
Germany	DIN 488	B500B	0,22	0,050	0,050	0,012	0,50
United Kingdom	BS 4449	B500B	0,22	0,050	0,050	0,012	0,50
Netherlands	NEN 6008	B500B	0,22	0,050	0,050	0,012	0,50

With: $CEV=C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$
Max. Cu: 0.80%

MECHANICAL PROPERTIES

Country	Standard / Specification	Grade	R _{e,nom} (MPa)	R _{e,real} (MPa)	R _{m,nom} (MPa)	R _{m,real} (MPa)	Agt(%)
			Min. value	Min. value	Min. value	Min. value	Min. value
Belgium	NBN A 24-302	BE 500 TS	-	500	-	550	5,00
France	NF A 35-080-1	B500B	500	-	550	-	5,00
Germany	DIN 488	B500B	500	-	550	-	5,00
United Kingdom	BS 4449	B500B	500	-	550	-	5,00
Netherlands	NEN 6008	B500B	500	-	550	-	5,50

PACKAGING AND RANGE OF DIAMETERS

Country	Standard	Grade	Weight of standard crowns (kg)	Range of diameters (mm)
Belgium	NBN A 24-302	BE 500 TS	2500 - 3000 - 4500	8-10-12-14-16
France	NF A 35-080-1	B500B	2500 - 3000 - 4500	8-10-12-14-16
Germany	DIN 488	B500B	2500 - 3000 - 4500	8-10-12-14-16
United Kingdom	BS 4449	B500B	2500 - 3000 - 4500	8-10-12-14-16
Netherlands	NEN 6008	B500B	2500 - 3000 - 4500	8-10-12-14-16

MARKING

