



# Hot rolled concrete reinforcing stretched coils



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## CHEMICAL COMPOSITION

Country	Standard / Specification	Grade	Chemical composition Analysis on casting % max (in mass)				
			C	P	S	N	Ceq
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 / Z-1.2-275	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
Belgium	NBN A 24-303	De500BS	0,22	0,050	0,050	0,012	0,50

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

## MECHANICAL PROPERTIES

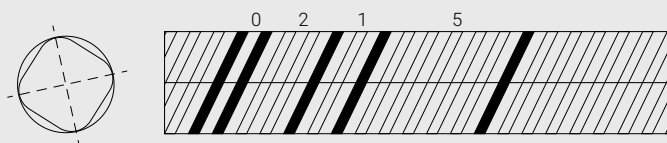
Country	Standard / Specification	Grade	$R_{e,nom}$ (MPa)	$R_{e,real}$ (MPa)	$R_{m,nom}$ (MPa)	$R_{m,real}$ (MPa)	Agt(%)
			Min. value	Min. value	Min. value	Min. value	Min. value
Belgium	NBN A 24-302	BE 500 TS	-	500	-	550	5,00
France	NF A 35-080-1	B500B	500	-	550	-	5,00
Germany	DIN 488 / Z-1.2-275	B500B	500	-	550	-	5,00
United Kingdom	BS 4449	B500B	500	-	550	-	5,00
Netherlands	NEN 6008	B500B	500	-	550	-	5,50
Belgium	NBN A 24-303	De500BS	-	500	-	550	2,50

## 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	2700-4700	8-10-12-14-16
France	NF A 35-080-1	B500B	2700-4700	8-10-12-14-16
Germany	DIN 488 / Z-1.2-275	B500B	2700-4700	8-10-12-14-16
United Kingdom	BS 4449	B500B	2700-4700	8-10-12-14-16
Netherlands	NEN 6008	B500B	2700-4700	8-10-12-14-16
Belgium	NBN A 24-303	De500BS	2700-4700	6-8-10

## MARKING

B500B



De500BS

