

**REINFORCING STEEL BARS MECHANICAL PROPERTIES**

Qualities	Standard	Yield strength (Re)		Tensile Strength (Rm)	Agt	Elongation (A)	Rm/Re
		N/mm2		N/mm2	%	%	
		Min	Max	Min	Min	Min	
RB500W	NA 6935-2 NA 8634 2015	500		---	5.0		1.08
B500B	BS 4449:2005	500	650	---	5.0		1,08
B500B	DIN 488:2009	500		550	5	---	1.08
B500B	NEN 6008, BRL 0501	500		---	5	---	1.08
BE500S	NBN A 24 301-304	500		550	5	---	1.08
B500C	ST 009 : 2011	500	650	---	7.5	---	1.15
B500C	BDS 9252	500		575	7.5	---	1.15
GR 500W	CSA-G30.18-9	500	625	625		10M- 25M :>12 30M- 40M :>10	1.15
GR 400W	CSA-G30.18-9	400	525	540		10M- 25M :>13 30M- 40M :>12	1.15
GR 40	ASTM A 615	280 (40000)Psi		420 (60000)Psi		No 3 :>11 No 4-5-6-7-8 :>12	---
GR 60	ASTM A 615	420 (60000)Psi		620 (90000)Psi		No 3-4-5-6 :>9 No 7-8 :>8 No 9-10-11 :>7	---
GR 75	ASTM A 615	520 (75000)Psi		690 (100000)Psi		No 3-4-5-6-7-8 :>7 No 9-10-11-14 :>6	---
GR 60	ASTM A 706	420 (60000)Psi	540 (78000)Psi	550 (80000)Psi		No 3-4-5-6 :>14 No 7-8-9-10-11 :>12	1.25

**REBAR IN COILS MECHANICAL PROPERTIES**

MECHANICAL PROPERTIES							
Qualities	Standards	Yield Strength (Re)		Tensile Strength (Rm)	Agt	Elongation (Lo:200mm)	Rm/Re
		N/mm2		N/mm2	%	%	
		min.	max.	min.	min.	min.	
B500BWR	NA ISO 6935-2 NA 8634	500	-	-	5.0	-	1.10
GR 60	ASTM A 615	420 (60000)Psi	-	620 (90000)Psi		No 3-4-5-6 :>9 No 7-8 :>8 No 9-10-11 :>7	---
GR 40	ASTM A 615	280 (40000)Psi	-	420 (60000)Psi		No 3 :>11 No 4-5-6 :>12	---