Bar Product Specifications

Standard	Grade Max	C(%) Max	S(%) Max	P(%) Max	N(%) Max	CE(%) Max	YS N/mm2(Min)	TS N/mm2(Min)	EL(%) <Min)	Bend Test
BS4449:1988 (Hot Rolled Steel Bars)	G250 (Mild Steel Bars)	0.25	0.060	0.060	0.012	0.42	250	Actual YS X 1.10	22% (L-5d)	For All Sized 2d former Bend Angel (3d) =180° Rebend (5d) -1st Bend 45° 2nd Bend 23°
	G460 (Deformed High Yield Steel Bars)	0.25	0.050	0.050	0.012	0.51	460	Actual YS X 1.10	12% (L-5d)	
BS4449:1997 (Hot Rolled Steel Bars)	G250 (Plain Round Steel Bars)	0.25	0.060	0.060	0.012	0.42	250	Actual YS X 1.15	As fracture 22%	Rebend (2d) -1st Bend 45° 2nd Bend 23°
	G460 A (High Yield Steel Bars) G460 B (High Yield Steel Bars)	0.25	0.050	0.050	0.012	0.51	460	Actual YS X 1.05 Actual YS X 1.08	As fracture/At max. force 12% 2.5% 14% 5%	Rebend (5d) -1st Bend 45° 2nd Bend 23°
BS4449:1998 (Hot Rolled Steel Bars)	G250 (Plain Round Steel Bars)	0.25	0.060	0.060	NA	0.42	250	Actual YS X 1.05	22% (L=5.56So)	Bend Angel (2d) =180° Rebend (2d) -1st Bend 45° 2nd Bend 23°
	G460 (High Yield Steel Bars)	0.30	0.050	0.050	NA	0.51	460	Actual YS X 1.05	12% (L=5.56So)	Bend Angel (2d) =180° Rebend (2d) -1st Bend 45° 2nd Bend 23°
MS146:2000 (Hot Rolled Steel Bars)	G250 (Plain Round Steel Bars)	0.25	0.060	0.060	0.012	0.42	250	Actual YS X 1.05	22% (L-5d)	Bend Angel (2d) =180° Rebend (2d) -1st Bend 45°
	G460 (Deformed Bars)	0.25	0.050	0.050	0.012	0.51	460	Actual YS X 1.05	12% (L-5d)	2nd Bend 23°
	G500 (Deformed Bars)	0.30	0.050	0.050	0.012	0.51	500	Actual YS X 1.05	12% (L-5d)	Bend Angel (3d) =180° Rebend (5d) -1st Bend 45° 2nd Bend 23°
ASTM A615-95 (Deformed and Plain Billet-Steel Bars)	G40 (Deformed and Plain Round Bars)	-	-	0.06	-	-	300	500	Bar No. Elong. 3 11 4,5,6 12 (L=200mm)	All bend Angel (2d) =180° unless specified Bar No Dia. 3,4,5 31/2d 6 5d
	G60 (Deformed and Plain Round Bars)	-	-	0.06	-	-	420	620	Bar No. Elong. 3,4,5,6 9 7,8 8 9,10,11,14,18 7 (L=200mm)	Bar No Dia. 3,4,5 31/2d 6,7,8 5d 9,10,11 7d 14,18 (90°) 9d
	G75 (Deformed and Plain Round Bars)	-	-	0.06	-	-	520	690	Bar No. Elong. 6,7,8 7 9,10,11,14,18 6 (L=200mm)	Bar No Dia. 6,7,8 5d 9,10,11 7d 14,18 (90°) 9d