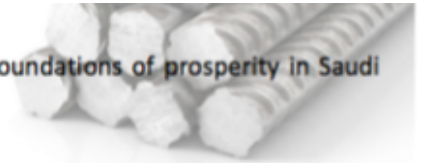


Specifications

REBAR STEEL GR 60

REINFORCING BARS steel strengthens structures and reinforces the foundations of prosperity in Saudi Arabia and the region.



Mechanical Properties of Steel Rebars

Standard	Grade	Nominal	Yield	Tensile	Tensile	Elongation	Elongation	Agt %
Diameter mm	Strength MP(min.)		Strength MP(min.)	To Yield Ratio (min.)	In 200mm (min.)	(A5)(min.)	(min.)	
	520(75)	12-25-32-40	520	690	N/A	7-6	N/A	N/A
SASO ASMT A706 M	420(60)	12-20-25-36-40	420-540	550	1.25	14-12-10	N/A	N/A
BS 4449	460B	12-40	460	N/A	1.08	N/A	14	5
	B500B	12-32	500	N/A	1.08	N/A	N/A	5
GCC Standard GS06/ISO 6935-2	B400BR B400BWR	12-40	400	N/A	1.08	N/A	14	5
	B500BR B500BWR	12-32	500	N/A	1.08	N/A	14	5

Chemical Composition of Rebars

Standard	Grade	Chemical Composition % (maximum)							
		C	Si	Mn	S	P	N	Cu	C.E.V
SASO ASMT A6015	280/420/520 (40/60/75)	...	...	...	...	0.06	...	...	...
SASO ASMT A706M	420(60)	0.3	0.50	1.5	0.045	0.035	...	...	...
BS 4449	460(B)	0.25	...	...	0.05	0.05	0.012	...	0.51
	B500B	0.22	...	...	0.05	0.05	...	0.80	0.50
GCC STANDARD GS06/ISO 6935-2	B400BR	...	...	...	0.06	...	...	...	...
	B400BWR	0.22	0.60	1.60	0.05	0.012	...	...	0.50

NOTE :

1. Other elements like, Ni, Cr, Mo, V, Nb, Ti...etc. may be added if required.
2. Higher nitrogen contents are permissible if sufficient quantities of nitrogen binding elements are present.
3. Product analysis may differ. Standard tolerances will apply.

