

1.0545

CS355 / 18G2A

STRUCTURAL STEEL

APPLICATION

Building structures, bridges, meshes, concrete reinforcement rods, tanks, pressure pipes.

CHEMICAL COMPOSITION

Chemical composition (in weight %)

Element	C	Si	Mn	P	S	Cr	Mo	Ni	V	Ti	Cu	Al	Nb
min	max	max	0.90	max	max	max	max	max	max	max	max	min	max
max	0.20	0.50	1.65	0.03	0.025	0.30	0.10	0.50	0.12	0.5	0.55	0.020	0.05

MECHANICAL PROPERTIES

Conditions	Normalized (+N)
Hardness [HB]	Depends on the thickness

$$CEV = C + Mn : 6 + (Cr + Mo + V) : 5 + (Ni + Cu) : 15$$