

TECHNICAL DATA SHEET**ASTM A193 GR.B5****CHEMICAL COMPOSITION (FOR GR. B5)**

Elements		C %	Mn %	P %	S %	Si %	Cr %	Mo %	Ni %	B%	
Min		0.10					4.00	0.40	-	-	
Max			1.00	0.040	0.030	1.00	6.00	0.65	-	-	

MECHANICAL PROPERTIES (METRIC PRODUCT)

GRADE	DIAMETER (mm)	TENSILE STRENGTH MPa (Min)	YIELD STRENGTH 0.2% Mpa (Min)	ELONGATION IN % (Min)	REDUCTION AREA% (Min)	HARDNESS HRC/HBW Max	HT Tempering Temp °c (Min)	
B5	Up to M100, Incl	690	550	16	50	-	593	

MECHANICAL PROPERTIES (INCH PRODUCT)

GRADE	DIAMETER (mm)	TENSILE STRENGTH Ksi (Min)	YIELD STRENGTH 0.2% Ksi (Min)	ELONGATION IN % (Min)	REDUCTION AREA% (Min)	HARDNESS HRC/HBW	HT Tempering Temp °c (Min)	
B5	Up to 4 , incl	100	80	16	50	-	593	

NOTE:

Material Spec : ASTM A193 GR.B5

Dimension STD : As per approved DRG.

Heat Treatment type : Hardning & Tempering

Prepared by:

Approved by: