



ANANKA FASTENERS PVT LTD

MS No.	AKF/MS/XXX
Rev No	0
Date	XX.XX.20XX

TECHNICAL DATA SHEET

ASTM A453 GR.660 CL.A ED-2026 (FOR STUD)

CHEMICAL COMPOSITION

Elements	C	Mn	P	S	Si	Cr	Ni	Mo	Ti	Sn	Cu	Al	B	V	Ca
Min	-	-	-	-	-	13.50	24.00	1.00	1.900	-	-	-	0.0010	0.1000	-
Max	0.0800	2.00	0.040	0.030	1.0000	16.00	27.00	1.50	2.350	-	-	0.3500	0.0100	0.5000	-

MECHANICAL PROPERTIES

	GRADE	CONDITION	SIZE	TENSILE STRENGTH (MPa)	YIELD STRENGTH 0.2% OFFSET (MPa)	% ELONGATION (GL-50mm)	% REDUCTION AREA	HARDNESS (HRC)	PROOF LOAD (kN)
Min.	Gr.660 Cl.A	Solution Annealed & Hardened (Age Hardened)	All Sizes	895	585	15	18	24	-
Max.				-	-	-	-	37	-

NOTE:

Material Spec : ASTM A453 GR.660 CL.A ED-2026

Dimension STD : As per approved DRG.

Heat Treatment type : Solution Annealed (Min. 900°C, Water Quenched, 2 hours) & Hardened (Min. 720°C, Air Cooled, 16 Hours)

Prepared by:

Approved by: