



ANANKA FASTENERS PVT LTD

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

TECHNICAL DATA SHEET

ASTM A194 GRADE 7 ED-2026 (FOR NUT)

CHEMICAL COMPOSITION

Elements	C	Mn	P	S	Si	Cr	Ni	Mo	N	Sn	Cu	Al	B	Pb	Ca
Min	0.38	0.75	-	-	0.15	0.80	-	0.15	-	-	-	-	-	-	-
Max	0.48	1.00	0.035	0.040	0.35	1.10	-	0.25	-	-	-	-	-	-	-

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.	7	Hardened & Tempered (Oil Quenched / Aircool)	All Sizes	-	-	-	-	24	150.79
Max.				-	-	-	-	35	-

NOTE:

Material Spec : ASTM A194 GRADE 7 ED-2026

Dimension STD : As per approved DRG.

Heat Treatment type : Hardened (Min. 880°C, Oil Quenched) & Tempered (Min. 595°C, Aircool)

Prepared by:

Approved by: