



ANANKA FASTENERS PVT LTD

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

TECHNICAL DATA SHEET

ASTM A194 GRADE 16 – 2024 (FOR NUT)

CHEMICAL COMPOSITION

Elements	C	Mn	P	S	Si	Cr	Ni	Mo	V	Sn	Cu	Al	B	Pb	Ca
Min	0.36	0.45	-	-	0.15	0.80	-	0.50	0.25	-	-	-	-	-	-
Max	0.47	0.70	0.035	0.040	0.35	1.15	-	0.65	0.35	-	-	0.15	-	-	-

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.	16	Hardened & Tempered (Oil Quenched / Aircool)	All Sizes	-	-	-	-	24	253.6
Max.				-	-	-	-	35	-

NOTE:

Material Spec : ASTM A194 GRADE 16 – 2024

Dimension STD : As per approved DRG.

Heat Treatment type : Hardened (Min. 880°C, Oil Quenched) & Tempered (Min. 650°C, Aircool)

Prepared by:

Approved by: