



ANANKA FASTENERS PVT LTD

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

TECHNICAL DATA SHEET

ASTM A194 GRADE 6 ED-2026 (FOR NUT)

CHEMICAL COMPOSITION

Elements	C	Mn	P	S	Si	Cr	Ni	Mo	N	Sn	Cu	Al	B	Pb	Ca
Min	0.08	-	-	-	-	11.50	-	-	-	-	-	-	-	-	-
Max	0.15	1.00	0.040	0.030	1.00	13.50	-	-	-	-	-	-	-	-	-

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.	6	Hardened & Tempered (Oil Quenched / Aircool)	All Sizes	-	-	-	-	20	364.22
Max.				-	-	-	-	28	-

NOTE:

Material Spec : ASTM A194 GRADE 6 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:



ANANKA FASTENERS PVT LTD

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

TECHNICAL DATA SHEET

ASTM A194 GRADE 6F - 2024 (FOR NUT)

CHEMICAL COMPOSITION

Elements	C	Mn	P	S	Si	Cr	Ni	Mo	N	Sn	Cu	Al	B	Pb	Ca
Min	-	-	-	-	-	12.00	-	-	-	-	-	-	-	-	-
Max	0.15	1.25	0.060	0.015	1.00	14.00	-	-	-	-	-	-	-	-	-

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.	6F	Hardened & Tempered (Oil Quenched / Aircool)	All Sizes	-	-	-	-	20	87.3
Max.				-	-	-	-	28	-

NOTE:

Material Spec : ASTM A194 GRADE 6F - 2024

Dimension STD : As per approved DRG.

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

Prepared by:

Approved by: