

	ANANKA FASTENERS PVT LTD											MS No.	AKF/MS/XXX		
												Rev No	0		
												Date	XX.XX.20XX		
TECHNICAL DATA SHEET															
ISO 898-1 GR. 12.9 ED-2013 (FOR STUD)															
CHEMICAL COMPOSITION															
Elements	C	Mn	P	S	B	Cr	Ni	Mo	V	Sn	Cu	Al	B	Pb	Ca
Min	0.30	0.600	-	-	-	-	-	-	-	-	-	-	-	-	-
Max	0.50	-	0.025	0.025	0.003	-	-	-	-	-	-	-	-	-	-
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.	12.9	Hardened & Tempered (Oil Quenched / Aircool)			All Sizes	1220	1100		8		44		39	-	
Max.						-	-		-		-		44	-	
NOTE:															
Material Spec : ISO 898-1 GR. 12.9 ED-2013															
Dimension STD : As per approved DRG.															
Heat Treatment type : Hardened & Tempered (Hardening - Oil Quenched / Tempering - Aircool)															
Prepared by: Approved by:															