



## ANANKA FASTENERS PVT LTD

MS No.

Rev No

Date

### TECHNICAL DATA SHEET

### ASTM A194 GR.8R (FOR NUT)

#### CHEMICAL COMPOSITION

| Elements | C %  | Mn % | P %   | S %   | Si % | Cr % | Mo % | Ni % | B% |
|----------|------|------|-------|-------|------|------|------|------|----|
| Min      | -    | 4.0  | -     | -     | -    | 20.5 | 1.50 | 11.5 | -  |
| Max      | 0.06 | 6.0  | 0.045 | 0.030 | 1.00 | 23.5 | 3.00 | 13.5 | -  |

#### MECHANICAL PROPERTIES

| GRADE | DIAMETER<br>(mm) | TENSILE<br>STRENGTH<br>MPa<br>(Min) | YIELD<br>STRENGTH<br>0.2% Mpa<br>(Min) | ELONGATION<br>IN % (Min) | REDUCTION<br>AREA% (Min) | HARDNESS<br>HRC/HBW<br>Max | HT Tempering<br>Temp °c (Min) | Proof Load<br>kN |
|-------|------------------|-------------------------------------|----------------------------------------|--------------------------|--------------------------|----------------------------|-------------------------------|------------------|
| 1     | All Size         | -                                   | -                                      | -                        | -                        | 25 HRC MAX                 | -                             | Depend on Size   |

#### NOTE:

Material Spec : ASTM A194 GR.8R

Dimension STD : As per approved DRG.

Heat Treatment type : -

Prepared by:

Approved by: