



# ANANKA FASTENERS PVT LTD

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

## TECHNICAL DATA SHEET

### ASTM B637 UNS N07080 (NIMONIC 80A)

#### CHEMICAL COMPOSITION

| Elements | C    | Si   | Mn   | S     | Cr    | Ni | Co | Ti   | Al   | Cu | Fe   | B | Zr | Pb | Mo |
|----------|------|------|------|-------|-------|----|----|------|------|----|------|---|----|----|----|
| Min      | -    | -    | -    | -     | 18.00 | -  | -  | 1.80 | 0.50 | -  | -    | - | -  | -  | -  |
| Max      | 0.10 | 1.00 | 1.00 | 0.015 | 21.00 | -  | -  | 2.70 | 1.80 | -  | 3.00 | - | -  | -  | -  |

#### MECHANICAL PROPERTIES

|      | GRADE       | CONDITION                                              | SIZE      | TENSILE STRENGTH (Mpa) | YIELD STRENGTH 0.2% OFFSET (Mpa) | % ELONGATION (GL-50mm) | % REDUCTION AREA | HARDNESS (HV) | PROOF LOAD (Kn) |
|------|-------------|--------------------------------------------------------|-----------|------------------------|----------------------------------|------------------------|------------------|---------------|-----------------|
| Min. | NIMONIC 80A | Solution Annealed, Stabilized & Precipitation Hardened | All Sizes | 930                    | 620                              | 20                     | -                | -             | -               |
| Max. |             |                                                        |           | -                      | -                                | -                      | -                | -             | -               |

#### NOTE:

Material Spec : ASTM B637 UNS N07080 (NIMONIC 80A)

Dimension STD : As per approved DRG.

Heat Treatment type : Solution Annealed, Stabilized & Precipitation Hardened

Prepared by:

Approved by: