

**NF A49-145-78 STEEL TUBES HOT FINISHED WELDED TUBES SUITABLE FOR THREADING****1. Chemical Composition**

| Grade   | Mfg. Process | Chemical Composition (%) |    |    |         |         |    |    |    |        |
|---------|--------------|--------------------------|----|----|---------|---------|----|----|----|--------|
|         |              | C                        | Si | Mn | P       | S       | Ni | Cr | Mo | Others |
| TS334-1 | -            | -                        | -  | -  | 0.06Max | 0.05Max | -  | -  | -  | -      |

**2. Mechanical Properties**

| Grade   | Tensile Test MPa or N/mm <sup>2</sup> |                  | Remarks |
|---------|---------------------------------------|------------------|---------|
|         | Min Yield point                       | Tensile Strength |         |
| TS334-1 | 190                                   | 320Min           | (SGP)   |

**JIS Number and Corresponding Foreign Standards**

| JIS             |       |      | ASTM            |        |      | DIN             |        |      | NF              |         |      | ISO             |       |      | Index Number |
|-----------------|-------|------|-----------------|--------|------|-----------------|--------|------|-----------------|---------|------|-----------------|-------|------|--------------|
| Standard Number | Grade | Type | Standard Number | Grade  | Type | Standard Number | Grade  | Type | Standard Number | Grade   | Type | Standard Number | Grade | Type |              |
| G3452           | SGP   | C    | A53             | Type F | C    | 1615            | St33-2 | C    | A49-145         | TS34-1  | C    | 65              | TW    | C    | C001         |
|                 |       |      |                 |        |      | 2441            | St33-2 | C    | A49-146         | TS334-a | C    | 559             | TWO   | C    |              |