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## Material Specification Table

| Material          | UNS    | Other Name | Round Bar     | SMLS Pipe        | Welded Pipe      | Fittings  | Plate    | Forging     | Casting    |    |
|-------------------|--------|------------|---------------|------------------|------------------|-----------|----------|-------------|------------|----|
| DUPLEX            | S32900 | 329        | A276, A479    | A789, A790       | A789, A790, A928 | A815      | A240     | A182        | CD6MN      | 3A |
|                   | S31803 | F51/2205   | A276          | A790             | A928 Class1,3,5  | A815      | A240     | A182 F51    | CD3MN      | 4A |
|                   | S32205 | F60/2205   | A479          | A790             | A928 Class1,3,5  | A815      | A240     | A182 F60    | CD3MN      | 4A |
|                   | S32550 | F61/255    | A276          | A790             | A928 Class1,3,5  | A815      | A240     | A182 F61    | CD6MN      | 3A |
|                   | S32750 | F53/2507   | A479          | A790             | A928 Class1,3,5  | A815      | A240     | A182 F53    | CE3MN      | 5A |
|                   | S32760 | F55        | A276          | A790             | A928 Class1,3,5  | A815      | A240     | A182 F55    | CD3MWCuN   | 6A |
| Austenite         | S31700 | 317        | A276, A479    | A312, A213       | A312, A269       | A403/A774 | A240     | A182        | CG8M       |    |
|                   | S21800 | NIT60      | A276, A479    | A312, A213       | A312, A269       |           | A240     | A182        | CF10SMnN   |    |
| Strengthen        | S17400 | 630/17-4PH | A564          |                  |                  |           | A693     | A705        | CB7Cu-1    |    |
|                   | S20910 | XM19       | A276, A479    | A312, A213       | A269             | A403      | A240     | A182        | CG6MMN     |    |
| High Temperature  | S32100 | 321        | A276, A479    | A312, A213, A269 | A312, A269       | A403/A774 | A240     | A182        |            |    |
|                   | S34700 | 347        | A276, A479    | A312, A213, A269 | A312, A269       | A403/A774 | A240     | A182        | CF8C       |    |
|                   | S30900 | 309        | A276, A479    | A312, A213       | A312, A269       | A403      | A240     | A182        | CH20       |    |
|                   | S31008 | 310S       | A276, A479    | A312, A213       | A312, A269       | A403      | A240     | A182 (F310) | CK20       |    |
|                   | S30815 | 253MA      | A276          | A312, A213       | A269             |           | A240     | A182, A473  |            |    |
|                   | S44600 | 446        |               | A268             |                  |           | A176     | A473        |            |    |
| Super Austenite   | S31254 | F44        | A276          | A312             | A358 Class1,3,5  | A403      | A240     | A182 F44    | CK3MCuN    |    |
|                   | N08904 | 904L       | A276, A479    | A312, B677       | A312, A269       | A403      | A240     | A182        |            |    |
|                   | N08367 | AL-6XN     | A276          | A312             | A358 Class1,3,5  | A403      | A240     | A182        | CN3MN      |    |
|                   | N08925 |            | A276          | A312             | A358 Class1,3,5  | A403      | B625     | A182        |            |    |
|                   | N08926 |            | A276          | A312             | A358 Class1,3,5  | A403      | B625     | A182        |            |    |
|                   | N08020 | Alloy 20   | B473          | B729             | B468, B474, B464 | A403      | B463     | A182, B462  | CN7M       |    |
|                   | S66286 | A286       | A453          | AMS              |                  |           | AMS      | A638        |            |    |
| High Nickel Alloy | N08800 | Alloy 800  | B408          | B407             | B163, B514, B515 | B366      | B409     | B564        |            |    |
|                   | N08825 | Alloy 825  | B425          | B423             | B163, B704       | B366      | B424     | B564        | CU 5MCuC   |    |
|                   | N06600 | Alloy 600  | B166          | B167             | B163             | B366      | B168     | B564        | CY40       |    |
|                   | N06625 | Alloy 625  | B446          | B444             | B705             | B366      | B443     | B564        | CW6MC      |    |
|                   | N07718 | 718        | B637 , API 6A | AMS 5589, 5590   |                  |           | B670     | B637        |            |    |
|                   | N07750 | X750       | B637          | AMS 5582         |                  |           | AMS 5598 | B637        |            |    |
|                   | N10665 | B2         | B335          | B622             | B619, B626       | B366      | B333     |             |            |    |
|                   | N06022 | C22        | B574          | B622             | B619, B626       | B366      | B575     | B564        | CX2MW      |    |
|                   | N10276 | C276       | B574          | B622             | B619, B626       | B366      | B575     | B564        | CW12MW     |    |
| N06455            | C4     | B574       | B622          | B619, B626       | B366             | B575      | B366     | CW2M        |            |    |
| Monel             | N04400 | Alloy 400  | B164          | B163, B165       | B725, B730       | B366      | B127     | B564        | A494 M35-1 |    |
|                   | N05500 | K500       | B865          |                  |                  |           |          | B865        |            |    |
| Nickel            | N02200 | Nickel 200 | B160          | B161, B163       | B725, B730       | B366      | B162     |             |            |    |
| Ti Gr.2           | R50400 | Ti Gr.2    | B348          | B861             | B862             | B363      | B265     | B381 F2     | B367 C2    |    |
| Low Expansion     | K93603 | Invar36    | F1684         | F1684            | F1684            |           | F1684    | F1684       |            |    |
|                   | K94610 | Kovar      | F15           | F15              | F15              |           | F15      | F15         |            |    |

Note:

1. This table is only for reference. The specification is corresponding to our inquiry and order acknowledge. For other material, please contact
2. Or, please refer to JIS, AMS, BS, DIN or ISO.
3. Every product will be checked by PMI in IQC/FQC.
4. The material which are including Hastelloy, Haynes, Inconel, Incoloy, Invar, Kovar, Monel, Nicrofer, Nimofe, and etc is all belonged to trade mark. Basically, we provide the material according to UNS, not limited to trade mark.

PLATE : 2000 x 6000, 1500 x 6000    ROUND BAR 10mm~ 400mm                      SMLS PIPE : 1/2" ~ 8"

FITTING : Flange, Reducer, Tee, Elbow    Fasteners: Bolt & Nut                      TIG/MIG: Stainless steel & Alloy

Tailormade items: Please contact

### STOCK PROGRAM - Round Bar

|               |                |          |        |             |        |         |          |                                  |
|---------------|----------------|----------|--------|-------------|--------|---------|----------|----------------------------------|
| Material      | 2205 / F51/F60 | 2507/F53 | F55    | 254SMO/F44  | C22    | C276    | Alloy600 | 630 /17-4PH<br>Solution / HH1150 |
| Specification | A276/A479      | A276     | A276   | A276        | B574   | B574    | B166     | A564                             |
| UNS           | S31803/S32205  | S32750   | S32760 | S31254      | N06022 | N10276  | N06600   | S17400                           |
| Density       | 7.8            | 7.8      | 7.8    | 7.96        | 8.69   | 8.9     | 8.41     | 7.96                             |
| Material      | Monel 400      | K500     | 316Ti  | Inconel 625 | XM-19  | Alloy20 | Alloy800 | Inconel 718                      |
| Specification | B164           | B865     | A276   | B446        | A276   | B473    | B408     | API 6A/B637                      |
| UNS           | N04400         | N05500   | S31635 | N06625      | S20910 | N08020  | N08800   | N07718                           |
| Density       | 8.84           | 8.5      | 7.8    | 8.44        | 7.96   | 8.1     | 8.03     | 8.19                             |