|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **ASTM** | **Type/Gr** | **UNS** | **ISO** | **C** | **Mn** | **P max** | **S max** | **Si** | **Cr** | **Ni** | **Mo** | **Cu** |
|  |  |  |  |  | **W&M** |  |  |  |  |  |  |  |
| A36 | Plate | G10200 | C22 | 0.18-0.23 | 0.30-0.60 | 0.040 | 0.050 |  |  |  |  |  |
|  | **CERN** |  |
| A656 | 50 | K12447 | S355J2+AR | 0.22 | 1.60 | 0.035 | 0.035 | 0.55 |  | 0.30 |  |  |
| A572 | 50 | K12447 | S355J2+N | 0.22 | 1.60 | 0.035 | 0.035 | 0.55 |  | 0.30 |  |  |
| A516 | 70+N | K02700 | P355N | 0.31 | 0.85-1.20 | 0.035 | 0.04 | 0.15-0.30 |  |  |  |  |
| A519 | 1524 | G15240 | E355C | 0.19-0.25 | 1.35-1.65 | 0.040 | 0.050 |  |  |  |  |  |
|  | **NIST** |  |
| A36 | Plate | G10220 | S235JR | 0.20 | 0.85 | 0.009 | 0.002 | 0.18 | 0.09 | 0.11 | 0.03 | 0.27 |
| A36 | Plate | G10220 | S235JR | 0.20 | 0.86 | 0.012 | 0.008 | 0.15 | 0.18 | 0.09 | 0.03 | 0.26 |
| A36 | Plate | G10220 | S235JR | 0.20 | 0.76 | 0.012 | 0.006 | 0.04 | 0.06 | 0.03 | 0.01 | 0.04 |
|  |  |  |  |  | **Welspun** |  |  |  |  |  |  |  |
| API X65 | PSL2 |  |  | 0.26 | 1.40 | 0.04 | 0.05 | 0.45 |  |  |  |  |