**TABLE 1** *Continued*

| UNS Designation[B] | Type | Composition, % | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Carbon | Manganese | Phosphorus | Sulfur | Silicon | Chromium | Nickel | Molybdenum | Nitrogen | Other Elements[L] |
| S31008 | 310S | 0.08 | 2.00 | 0.045 | 0.030 | 1.50 | 24.0–26.0 | 19.0–22.0 | . . . | . . . | . . . |
| S31010[D] | . . . | 0.030 | 5.50–6.50 | 0.030 | 0.0010 | 0.25–0.75 | 28.5–30.5 | 14.0–16.0 | 1.5–2.5 | 0.80–0.90 | Al 0.05<br>B 0.005 |
| S31040 | 310Cb | 0.08 | 2.00 | 0.045 | 0.030 | 1.50 | 24.0–26.0 | 19.0–22.0 | . . . | . . . | Cb 10×C-1.10 |
| S31051 | . . . | 0.07 | 5.0–7.0 | 0.045 | 0.01 | 0.5 | 22.5–25.5 | 13.0–15.5 | 2.8–3.8 | 0.45–0.60 | . . . |
| S31052[N] | . . . | 0.04 | 5.0–7.0 | 0.045 | 0.01 | 0.5 | 26.4–28.4 | 13.0–15.5 | 2.8–3.8 | 0.60–0.80 | . . . |
| S31254 | . . . | 0.020 | 1.00 | 0.030 | 0.010 | 0.80 | 19.5–20.5 | 17.5–18.5 | 6.0–6.5 | 0.18–0.25 | Cu 0.50–1.00 |
| S31266 | . . . | 0.030 | 2.00–4.00 | 0.035 | 0.020 | 1.00 | 23.0–25.0 | 21.0–24.0 | 5.2–6.2 | 0.35–0.60 | Cu 1.00–2.50<br>W 1.50–2.50 |
| S31400 | 314 | 0.25 | 2.00 | 0.045 | 0.030 | 1.50–3.00 | 23.0–26.0 | 19.0–22.0 | . . . | . . . | . . . |
| S31600 | 316 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–14.0 | 2.00–3.00 | . . . | . . . |
| S31603 | 316L[C] | 0.030 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–14.0 | 2.00–3.00 | . . . | . . . |
| S31635 | 316Ti | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–14.0 | 2.00–3.00 | 0.10 | Ti 5×(C+N)-0.70 |
| S31640 | 316Cb | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–14.0 | 2.00–3.00 | 0.10 | Cb 10×C-1.10 |
| S31651 | 316N | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–14.0 | 2.00–3.00 | 0.10–0.16 | . . . |
| S31653 | 316LN | 0.030 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–13.0 | 2.00–3.00 | 0.10–0.16 | . . . |
| S31654 | . . . | 0.03 | 2.00 | 0.045 | 0.030 | 1.00 | 16.0–18.0 | 10.0–13.0 | 2.00–3.00 | 0.16–0.30 | . . . |
| S31700 | 317 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 18.0–20.0 | 11.0–15.0 | 3.0–4.0 | 0.10 | . . . |
| S31725 | . . . | 0.030 | 2.00 | 0.045 | 0.030 | 1.00 | 18.0–20.0 | 13.5–17.5 | 4.0–5.0 | 0.20 | . . . |
| S31726 | . . . | 0.030 | 2.00 | 0.045 | 0.030 | 1.00 | 17.0–20.0 | 14.5–17.5 | 4.0–5.0 | 0.10–0.20 | . . . |
| S31727 | . . . | 0.030 | 1.00 | 0.030 | 0.030 | 1.00 | 17.5–19.0 | 14.5–16.5 | 3.8–4.5 | 0.15–0.21 | Cu 2.8–4.0 |
| S31730 | . . . | 0.030 | 2.00 | 0.040 | 0.010 | 1.00 | 17.0–19.0 | 15.0–16.5 | 3.0–4.0 | 0.045 | Cu 4.0-5.0 |
| S32053 | . . . | 0.030 | 1.00 | 0.030 | 0.010 | 1.00 | 22.0–24.0 | 24.0–26.0 | 5.0–6.0 | 0.17–0.22 | . . . |
| S32100 | 321 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 17.0–19.0 | 9.0–12.0 | . . . | . . . | Ti 5×(C+N)-0.70[E] |
| S32654 | . . . | 0.020 | 2.0–4.0 | 0.030 | 0.005 | 0.50 | 24.0–25.0 | 21.0–23.0 | 7.0–8.0 | 0.45–0.55 | Cu 0.30–0.60 |
| S34565 | . . . | 0.030 | 5.0–7.0 | 0.030 | 0.010 | 1.00 | 23.0–25.0 | 16.0–18.0 | 4.0–5.0 | 0.40–0.60 | Cb 0.10 |
| S34700 | 347 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 17.0–19.0 | 9.0–12.0 | . . . | . . . | Cb 10×C–1.10 |
| S34800 | 348 | 0.08 | 2.00 | 0.045 | 0.030 | 1.00 | 17.0–19.0 | 9.0–12.0 | . . . | . . . | Cb 10×C–1.10, Ta 0.10<br>Co 0.20 |
| S35130 | . . . | 0.04 | 1.5–3.5 | 0.045 | 0.01 | 0.5 | 26.5–28.0 | 29.5–31.3 | 3.0–4.0 | 0.25–0.35 | . . . |
| Austenitic-Ferritic Grades | | | | | | | | | | | |
| S31100 | XM-26 | 0.06 | 1.00 | 0.045 | 0.030 | 1.00 | 25.0–27.0 | 6.0–7.0 | . . . | . . . | Ti 0.25 |
| S31803 | . . . | 0.030 | 2.00 | 0.030 | 0.020 | 1.00 | 21.0–23.0 | 4.5–6.5 | 2.5–3.5 | 0.08–0.20 | . . . |
| S32101 | . . . | 0.040 | 4.0–6.0 | 0.040 | 0.030 | 1.00 | 21.0–22.0 | 1.35–1.70 | 0.10–0.80 | 0.20–0.25 | Cu 0.10–0.80 |
| S32202 | . . . | 0.030 | 2.00 | 0.040 | 0.010 | 1.00 | 21.5–24.0 | 1.00–2.80 | 0.45 | 0.18–0.26 | . . . |
| S32205 | . . . | 0.030 | 2.00 | 0.030 | 0.020 | 1.00 | 22.0–23.0 | 4.5–6.5 | 3.0–3.5 | 0.14–0.20 | . . . |
| S32304 | . . . | 0.030 | 2.50 | 0.040 | 0.030 | 1.00 | 21.5–24.5 | 3.0–5.5 | 0.05–0.60 | 0.05–0.20 | Cu 0.05–0.60 |
| S32506 | . . . | 0.030 | 1.00 | 0.040 | 0.015 | 0.90 | 24.0–26.0 | 5.5–7.2 | 3.0–3.5 | 0.08–0.20 | W 0.05–0.30 |
| S32550 | . . . | 0.04 | 1.50 | 0.040 | 0.030 | 1.0 | 24.0–27.0 | 4.5–6.5 | 2.9–3.9 | 0.10–0.25 | Cu 1.50–2.50 |
| S32750[M] | . . . | 0.030 | 1.20 | 0.035 | 0.020 | 0.80 | 24.0–26.0 | 6.0–8.0 | 3.0–5.0 | 0.24–0.32 | Cu 0.50 |
| S32760[F] | . . . | 0.030 | 1.00 | 0.030 | 0.010 | 1.00 | 24.0–26.0 | 6.0–8.0 | 3.0–4.0 | 0.20–0.30 | Cu 0.50–1.00<br>W 0.50–1.00 |
| S82441 | . . . | 0.030 | 2.5–4.0 | 0.035 | 0.005 | 0.070 | 23.0–25.0 | 3.0–4.5 | 1.00–2.00 | 0.20–0.30 | Cu 0.10–0.80 |
| Ferritic Grades | | | | | | | | | | | |
| S40500 | 405 | 0.08 | 1.00 | 0.040 | 0.030 | 1.00 | 11.5–14.5 | 0.50 | . . . | . . . | Al 0.10–0.30 |