

| Alloy | C | Mn | Si | P | S | Cr | Ni | Mo | Cu | Co | Al | Ti | Fe | Cb | V |
|--------|-------------|----------------|-----------|------------|------------|--------------|-------------|-------------|-----------|-----------|------------|-------------------|--------------|-----------|---|
| 302S | 0.090-0.130 | 0.50-1.00 | 0.20-0.60 | 0.03% | 0.015% max | 17.00-17.50% | 8.00-8.50% | 0.50% max | 0.50% max | 0.35 | 0.010% max | | 0.04-0.10% | | |
| 302HQ | 0.020% max | 0.40-0.80 | 0.20-0.40 | 0.040% max | 0.015% max | 17.2-18.50% | 9.50-10.00 | 0.40% max | 3.2-4.0% | 0.50% max | 0.020% max | | 0.030% max | | |
| 304 | | | | | | | | | | | | | | | |
| 304L | 0.030% max | 1.25-2.00% max | 0.20-0.75 | 0.030% max | 0.015% max | 18.0-19.0% | 8.75-19.0% | 8.75-9.75% | 0.50% max | 0.50% max | 0.015% max | | 0.050% max | | |
| 304VM | 0.060-0.080 | 0.80-1.50 | 0.20-0.70 | 0.035% max | 0.015% max | 18.0-19.0% | 8.0-9.0% | 0.60% max | 0.50% max | 0.50% max | 0.015% max | | 0.020-0.065% | | |
| 305 | 0.040% max | 2.00% max | 0.30-0.75 | 0.040% max | 0.030% max | 17.0-19.0% | 11.0-12.50% | 0.50% max | 0.75% max | | | | 0.050% max | | |
| 309 | 0.120% max | 2.00% max | 0.60% max | 0.040% max | 0.015% max | 22.0-24.0% | 12.0-15.0% | 0.75% max | 0.75% max | | | | | | |
| 310 | 0.030-0.080 | 1.25-2.00 | 0.40-1.50 | 0.025% max | 0.015% max | 24.0-26.0% | 19.0-22.0% | 0.50% max | 0.40% max | 0.50% max | 0.050% max | | 0.050% max | | |
| 316 | 0.035-0.070 | 1.0-2.0 | 0.70% max | 0.040% max | 0.015% max | 16.5-18.0% | 10.50-12.0% | 2.0-3.0% | 0.50% max | 0.30% max | 0.010% max | 0.03% max | 0.060% max | 0.05% max | |
| 316L | 0.03% max | 1.25-2.00 | 0.25-0.75 | 0.040% max | 0.030% max | 16.5-18.0% | 10.5-11.0% | 2.0-2.25% | 0.60% max | | | | 0.070% max | | |
| 316LVM | 0.030% max | 1.25-2.00 | 0.20-0.70 | 0.025% max | 0.010% max | 17.0-19.0% | 13.0-15% | 2.25-3.00% | 0.50% max | 0.30% max | 0.050% max | 0.01% max | 0.10% max | | |
| 316Ti | 0.080% max | 2.00% max | 0.75% max | 0.045% max | 0.030% max | 16.0-18.0% | 10.0-14.0 | 2.0-3.0% Mo | | | | 5x(C+N) min-0.70% | 0.080% max | | |
| 317 | 0.08% max | 2.0% max | 0.75% max | 0.040% max | 0.015% max | 18.0-20.0% | 11.0-15.0% | 3.0-4.0% | 0.50% max | | | | 0.050% max | | |
| 317L | 0.03% max | 1.25-2.00 | 0.70% max | 0.040% max | 0.015% max | 18.5-20.0% | 13.0-15.0% | 3.4-4.0% | 0.50% max | | | | 0.050-0.100% | | |
| 321 | 0.020-0.060 | 1.25-2.00 | 0.40-0.80 | 0.030% max | 0.010% max | 17.0-19.0% | 9.0-11.0% | 0.60% max | 0.50% max | 0.50% max | 0.150% max | 5xC(C+N) -0.70% | 0.040% max | | |
| 347 | 0.040-0.060 | 2.00% max | 1.00% max | 0.040% max | 0.015% max | 17.0-19.0% | 9.0-12.0% | 0.50% max | 0.50% max | | | | 0.060% max | | |
| 409 | 0.030% max | 1.0% max | 1.0% max | 0.045% max | 0.020% max | 10.50-11.70% | 0.50% max | | | | | 6xC- 0.75% | 0.03 | | |

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|--------------|----------------|-----------------------|------------|------------|--------------|--------------|--------------|------------|-----------|-----------|------------|-----------------|--------------|------------|------------|
| 409 CB | 0.050% max | 0.75% max | 0.80% max | 0.030% max | 0.020% max | 10.50-11.75% | 0.75-1.00% | 0.50% max | 0.25% max | | 0.1 | | | 10xC-0.50% | |
| 410 | 0.100-0.150% | 1.00% max | 0.60% max | 0.040% max | 0.015% max | 11.50-13.50% | 0.50% max | 0.50% max | 0.50% max | | 0.50% max | | 0.080% max | | |
| 416 | 0.100-0.150% | 1.25% max | 1.00% max | 0.045% max | 0.32-0.40% | 12.0-14.0% | 0.50% max | 0.50% max | 0.50% max | | | | | | |
| 420 | 0.30-0.40% | 0.50% max | 0.50% max | 0.020% max | 0.015% max | 12.75-14.0% | 0.36% max | 0.30% max | 0.30% max | | 0.040% max | | 0.060% max | | |
| 430 | 0.03 | 0.30-0.60% | 0.60% max | 0.040% max | 0.015% max | 16.0-17.0% | 0.30% max | 0.50% max | 0.50% max | | | | 0.03 | | |
| 431 | 0.12-0.17% | 0.30-0.80% | 0.20-0.60% | 0.040% max | 0.030% max | 15.50-16.50% | 1.50-1.75% | 0.25% max | 0.50% max | | | | 0.100% max | | |
| 434 | 0.040-0.060% | 0.60-0.80% | 0.25-0.55% | 0.040% max | 0.020-0.030% | 16.10-16.70% | 0.50% max | 0.90-1.20% | 0.50% max | | | | 0.030% max | | |
| 439 | 0.070% max | 1.0% max | 1.0% max | 0.040% max | 0.030% max | 17.0-19.0% | 0.50% max | | | | 0.150% max | 4.2x(C+N)-1.10% | 0.040% max | | |
| 440C | 0.95-1.20% | 1.00% max | 0.75% max | 0.030% max | 0.015% max | 16.0-18.0% | 0.50% max | 0.40-0.65% | 0.50% max | | | | | | |
| 446 | 0.150% max | 1.50% max | 1.00% max | 0.040% max | 0.030% max | 23.0-27.0% | | | | | | | 0.250% max | | |
| 17-7PH (631) | | | | | | | | | | | | | | | |
| A286 | 0.080% max | 2.00% max | 1.00% max | 0.025% max | 0.010% max | 13.50-16.00% | 24.0-27.0% | 1.00-1.50% | 0.50% max | 1.00% max | 0.350% max | 1.90-2.35% | | | 0.10-0.50% |
| 904L | 0.005-0.020% 2 | | 0.25-0.60% | 0.030% max | 0.03 | 19.0-23.0% | 23.0-28.0% | 4.0-5.0% | 1.0-2.0% | | | | 0.10% max | | |
| Duplex 2205 | 0.030% max | 2.00% max | 1.0% max | 0.030% max | 0.020% max | 22.0-23.00% | 4.50-6.50% | 3.00-3.50% | | | | 0.14-0.20% | | | |
| Nitronic® 32 | 0.050-0.150% | 11.50-12.50% | 0.95% max | 0.035% max | 0.015% max | 17.0-19.0% | 1.10-2.10% | 0.30% max | 0.35% max | | | | 0.30-0.40% | | |
| Nitronic® 50 | 0.045% max | 0.40-0.60% 4.0-6.0 | 1.00% max | 0.040% max | 0.008% max | 20.50-22.00% | 11.50-13.00% | 2.0-3.0% | 0.50% max | 0.25% max | | | 0.20-0.40% | 0.10-0.30% | 0.10-0.30% |
| Nitronic® 60 | 0.100% max | 7.0-9.0% | 3.50-4.50% | 0.040% max | 0.015% max | 16.0-18.0% | 8.0-9.0% | | | | | | 0.080-0.180% | | |