



CHEMICAL COMPOSITION OF STAINLESS STEEL

| GRADE DESIGNATION | C | Mn | Si | S | P | Cr | Ni | Mo | Ti |
|----------------------|------|------|------|-------|-------|----------------|----------------|----------------------|------------|
| AISI | max | max | max | max | max | | | | |
| 302 | 0.15 | 2.00 | 0.75 | 0.030 | 0.045 | 17.00 19.00 | 8.00 10.00 | | |
| 304 | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 18.00 20.00 | 8.00 12.00 | | |
| 304L | 0.03 | 2.00 | 0.75 | 0.030 | 0.045 | 18.00 20.00 | 8.00 12.00 | | |
| 309 | 0.20 | 2.00 | 0.75 | 0.030 | 0.045 | 22.00 24.00 | 12.00 15.00 | | |
| 309S | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 22.00 24.00 | 12.00 15.00 | | |
| 310 | 0.25 | 2.00 | 0.75 | 0.030 | 0.045 | 24.00 26.00 | 19.00 22.00 | | |
| 310S | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 24.00 26.00 | 19.00 22.00 | | |
| 316 | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 16.00 18.00 | 10.00 14.00 | 2.00 3.00 | |
| 316L | 0.03 | 2.00 | 0.75 | 0.030 | 0.045 | 16.00 18.00 | 10.00 14.00 | 2.00 3.00 | |
| 316Ti | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 16.00 18.00 | 10.00 14.00 | 2.00 3.00 | 5XC min |
| 317 | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 16.00 18.00 | 10.00 14.00 | 3.00 4.00 | |
| 321 | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 17.00 19.00 | 9.00 12.00 | | 5XC min |
| 347 | 0.08 | 2.00 | 0.75 | 0.030 | 0.045 | 17.00 19.00 | 9.00 13.00 | NS + To 10 X Cmin | |
| 410 | 0.15 | 1.00 | 0.75 | 0.030 | 0.040 | 11.50 13.50 | | | |
| 420 | 0.15 | 1.00 | 0.75 | 0.030 | 0.040 | 12.00 14.00 | | | |
| 430 | 0.12 | 1.00 | 0.75 | 0.030 | 0.040 | 16.00 18.00 | | | |
| 431 | 0.20 | 1.00 | 0.75 | 0.030 | 0.040 | 15.00 17.00 | | | |