

## Stainless Steel Charts

| Austenitic Stainless Steels |        |         |         |          |         |          |
|-----------------------------|--------|---------|---------|----------|---------|----------|
| AISI grade                  | C max. | Si max. | Mn max. | Cr       | Ni      | Mo       |
| <b>18-8</b>                 | .08%   | 1%      | 2%      | 17-20%   | 8-13%   |          |
| <b>304</b>                  | 0.08%  | 1%      | 2%      | 17.5-20% | 8-10.5% |          |
| <b>304L</b>                 | 0.03%  | 1%      | 2%      | 18-20%   | 8-12%   |          |
| <b>316</b>                  | 0.08%  | 1%      | 2%      | 16-18%   | 10-14%  | 2.0-3.0% |

| Martensitic Stainless Steels |            |      |      |          |    |    |       |       |  |
|------------------------------|------------|------|------|----------|----|----|-------|-------|--|
| Grade                        | C          | Mn   | Si   | Cr       | Ni | Mo | P     | S     | Comments/Applications  |
| <b>410</b>                   | 0.15%      | 1.0% | 0.5% | 11.5-13% | -  | -  | 0.04% | 0.03% | The basic composition. Used for cutlery, steam and gas turbine blades and buckets, bushings... |
| <b>420</b>                   | 0.15-0.40% | 1%   | 1%   | 12-14%   | -  | -  | 0.04% | 0.03% | Dental and surgical instruments, cutlery....   |

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