

CORROSION RESISTANCE OF STAINLESS STEELS

| Type | Mild atmospheric and fresh water | Atmospheric | | Salt water | Chemical | | |
|-----------------------------------|----------------------------------|-------------|--------|------------|----------|-----------|----------|
| | | Industrial | Marine | | Mild | Oxidizing | Reducing |
| Austenitic Stainless Steel | | | | | | | |
| 201 | X | X | X | | X | X | |
| 201 | X | X | X | | X | X | |
| 205 | X | X | X | | X | X | |
| 301 | X | X | X | | X | X | |
| 302 | X | X | X | | X | X | |
| 302B | X | X | X | | X | X | |
| 303 | X | X | | | X | | |
| 303Se | X | X | | | X | | |
| 304 | X | X | X | | X | X | |
| 304H | X | X | X | | X | X | |
| 304L | X | X | X | | X | X | |
| 304N | X | X | X | | X | X | |
| S30430 | X | X | X | | X | X | |
| 305 | X | X | X | | X | X | |
| 308 | X | X | X | | X | X | |
| 309 | X | X | X | | X | X | |
| 309S | X | X | X | | X | X | |
| 310 | X | X | X | | X | X | |
| 310S | X | X | X | | X | X | |
| 314 | X | X | X | | X | X | |
| 316 | X | X | X | X | X | X | X |
| 316F | X | X | X | X | X | X | X |
| 316H | X | X | X | X | X | X | X |
| 316L | X | X | X | X | X | X | X |
| 316N | X | X | X | X | X | X | X |
| 317 | X | X | X | X | X | X | X |
| 317L | X | X | X | X | X | X | X |
| 321 | X | X | X | | X | X | |
| 321H | X | X | X | | X | X | |
| 329 | X | X | X | X | X | X | X |
| 330 | X | X | X | X | X | X | X |
| 347 | X | X | X | | X | X | |
| 347H | X | X | X | | X | X | |
| 348 | X | X | X | | X | X | |
| 348H | X | X | X | | X | X | |
| 384 | X | X | X | | X | X | |

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| Type | Mild atmospheric and fresh water | Atmospheric | | Salt water | Chemical | | |
|--|----------------------------------|-------------|--------|------------|----------|-----------|----------|
| | | Industrial | Marine | | Mild | Oxidizing | Reducing |
| Ferritic Stainless Steel | | | | | | | |
| 405 | X | | | | X | | |
| 409 | X | | | | X | | |
| 429 | X | X | | | X | X | |
| 430 | X | X | | | X | X | |
| 430F | X | X | | | X | | |
| 430FSe | X | X | | | X | | |
| 434 | X | X | X | | X | X | |
| 436 | X | X | X | | X | X | |
| 442 | X | X | | | X | X | |
| 446 | X | X | X | | X | X | |
| Martensitic Stainless Steel | | | | | | | |
| 403 | X | | | | | | |
| 410 | X | | | | | | |
| 414 | X | | | | | | |
| 416 | X | | | | | | |
| 416Se | X | | | | | | |
| 420 | X | | | | | | |
| 420F | X | | | | | | |
| 422 | X | | | | | | |
| 431 | X | X | X | | X | | |
| 440A | X | | | | X | | |
| 400B | X | | | | | | |
| 440C | X | | | | | | |
| 501 | | | | | | | |
| 502 | | | | | | | |
| 503 | | | | | | | |
| 504 | | | | | | | |
| Precipitation-Hardening Stainless Steel | | | | | | | |
| PH 13-8 Mo | X | X | | | X | X | |
| 15-5 PH | X | X | X | | X | X | |
| 17-4 PH | X | X | X | | X | X | |
| 17-7 PH | X | X | X | | X | X | |

An "X" notation above indicates that the specific type is considered resistant to the corrosive environment.