

Specification Sheet: 2304 (UNS S32304)

Austenitic Stainless Steel with PREN ≥ 24

Alloy 2304 is a 23% Chromium, 4% Nickel, Molybdenum-free duplex stainless steel. The Alloy 2304 has corrosion resistance properties similar to 316L. Furthermore, its mechanical properties, i.e., yield strength, are twice those of 304L/316L austenitic grades. This allows the designer to save weight, particularly for properly designed pressure vessel applications.

The alloy is particularly suitable for

| C | Cr | Ni | Mo | N | Others |
|---|----|----|-----|-----|-----------|
| 0.020 | 23 | 4 | 0.2 | 0.1 | S = 0.001 |
| $PREN = [Cr \ %] + 3.3 [Mo \ %] + 16 [N \ %] \geq 24$ | | | | | |



SANDMEYER STEEL COMPANY
ONE SANDMEYER LANE • PHILADELPHIA, PA 19116-3598
800-523-3663 • FAX 215-677-1430 • www.SandmeyerSteel.com

