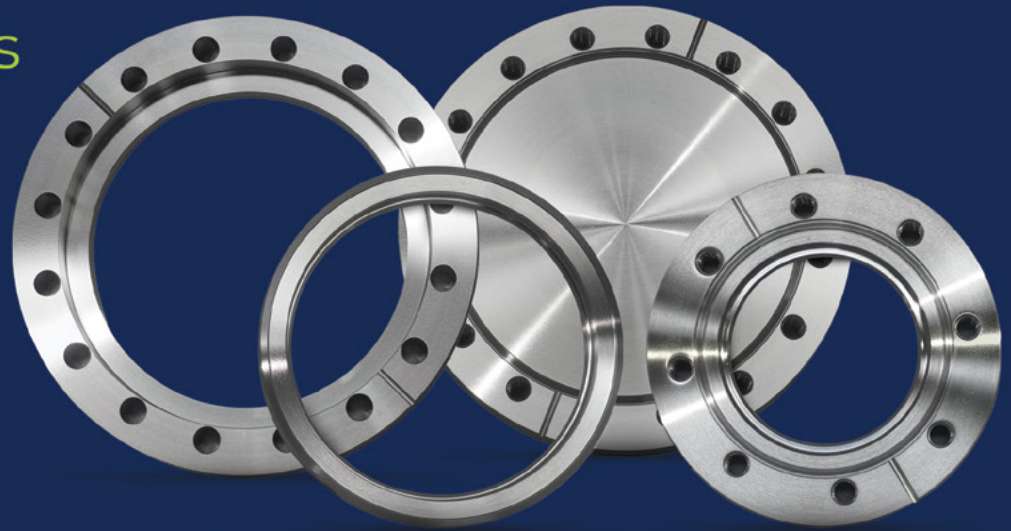


# 316LN Stainless Steel

## ConFlat Flanges



### Description

ANCORP's 316LN austenitic stainless steel CF flanges are produced for critical UHV and XHV applications where low magnetic permeability is required.

316LN CF flanges are machined from Electro Slag Remelt (ESR), low carbon, nitrogen-enriched material. During production, a secondary refining process further eliminates impurities in the stainless steel, increasing final quality.

The nitrogen-enriched chemical makeup of 316LN ensures that weldability remains high while magnetic content is greatly decreased. As a result of the additional refining process, 316LN also possesses an increased resistance to heat hardening so it is possible to use at higher temperatures.

### Features and Benefits:

- Low magnetic permeability of 1.005  $\mu\text{max}$
- Temperature Range: -200°C to 450°C
- Vacuum Rating:  $1 \times 10^{-13}$  Torr
- Excellent for Beamlines, XHV, X-Ray, and Laser applications
- Increased resistance to irradiation damage
- Resistant to crevice corrosion
- High level of weldability
- Resistant to pitting

## Fixed Blank 316LN CF Flanges

Part ID	Reference Number	Description	Unit Price
5004000	CF133-000-316LN	1.33 in. O.D. Fixed Blank 316LN CF Flange	\$45.00
5004056	CF275-000-316LN	2.75 in. O.D. Fixed Blank 316LN CF Flange	\$60.00
5004100	CF450-000-316LN	4.50 in. O.D. Fixed Blank 316LN CF Flange	\$235.00
5004128	CF600-000-316LN	6.00 in. O.D. Fixed Blank 316LN CF Flange	\$340.00
5004148	CF800-000-316LN	8.00 in. O.D. Fixed Blank 316LN CF Flange	\$545.00
5004156	CF1000-000-316LN	10.00 in. O.D. Fixed Blank 316LN CF Flange	\$865.00

## Fixed Blank Tapped Metric 316LN CF Flanges

Part ID	Reference Number	Description	Unit Price
5004009	CF133TM-000-316LN	1.33 in. O.D. Fixed Blank Tapped M4 316LN CF Flange	\$55.00
5004064	CF275TM-000-316LN	2.75 in. O.D. Fixed Blank Tapped M6 316LN CF Flange	\$70.00
5004104	CF450TM-000-316LN	4.50 in. O.D. Fixed Blank Tapped M8 316LN CF Flange	\$250.00
5004130	CF600TM-000-316LN	6.00 in. O.D. Fixed Blank Tapped M8 316LN CF Flange	\$325.00
5004150	CF800TM-000-316LN	8.00 in. O.D. Fixed Blank Tapped M8 316LN CF Flange	\$650.00
5004158	CF1000TM-000-316LN	10.00 in. O.D. Fixed Blank Tapped M8 316LN CF Flange	\$895.00

## Fixed Bored 316LN CF Flanges

Part ID	Reference Number	Description	Unit Price
<b>5004007</b>	CF133-075-316LN	1.33 in. O.D. x 0.75 in. Tube Bore 316LN CF Flange	\$45.00
<b>5004063</b>	CF275-162-316LN	2.75 in. O.D. x 1.63 in. Tube Bore 316LN CF Flange	\$55.00
<b>5004103</b>	CF450-250-316LN	4.50 in. O.D. x 2.50 in. Tube Bore 316LN CF Flange	\$210.00
<b>5004129</b>	CF600-400-316LN	6.00 in. O.D. x 4.00 in. Tube Bore 316LN CF Flange	\$365.00
<b>5004149</b>	CF800-600-316LN	8.00 in. O.D. x 6.00 in. Tube Bore 316LN CF Flange	\$545.00
<b>5004157</b>	CF1000-800-316LN	10.00 in. O.D. x 8.00 in. Tube Bore 316LN CF Flange	\$725.00

## Fixed Tapped Metric Bored 316LN CF Flanges

Part ID	Reference Number	Description	Unit Price
5004015	CF133TM-075-316LN	1.33 in. O.D. x 0.75 in. Tube Bore Fixed Tapped M4 316LN CF Flange	\$55.00
5004071	CF275TM-162-316LN	2.75 in. O.D. x 1.63 in. Tube Bore Fixed Tapped M6 316LN CF Flange	\$65.00
5004107	CF450TM-250-316LN	4.50 in. O.D. x 2.50 in. Tube Bore Fixed Tapped M8 316LN CF Flange	\$225.00
5004131	CF600TM-400-316LN	6.00 in. O.D. x 4.00 in. Tube Bore Fixed Tapped M8 316LN CF Flange	\$385.00
5004151	CF800TM-600-316LN	8.00 in. O.D. x 6.00 in. Tube Bore Fixed Tapped M8 316LN CF Flange	\$495.00
5004159	CF1000TM-800-316LN	10.00 in. O.D. x 8.00 in. Tube Bore Fixed Tapped M8 316LN CF Flange	\$865.00

## Rotatable Blank 316LN CF Flanges

Part ID	Reference Number	Description	Unit Price
5004018	CF133R-000-316LN	1.33 in. O.D. Rotatable Blank 316LN CF Flange	\$75.50
5004072	CF275R-000-316LN	2.75 in. O.D. Rotatable Blank 316LN CF Flange	\$110.00
5004108	CF450R-000-316LN	4.50 in. O.D. Rotatable Blank 316LN CF Flange	\$345.00
5004132	CF600R-000-316LN	6.00 in. O.D. Rotatable Blank 316LN CF Flange	\$450.00
5004152	CF800R-000-316LN	8.00 in. O.D. Rotatable Blank 316LN CF Flange	\$725.00
5004160	CF1000R-000-316LN	10.00 in. O.D. Rotatable Blank 316LN CF Flange	\$1,245.00

## Rotatable Bored 316LN CF Flanges

Part ID	Reference Number	Description	Unit Price
5004024	CF133R-075-316LN	1.33 in. O.D. x 0.75 in. Tube Bore Rotatable 316LN CF Flange	\$65.50
5004079	CF275R-162-316LN	2.75 in. O.D. x 1.63 in. Tube Bore Rotatable 316LN CF Flange	\$87.50
5004111	CF450R-250-316LN	4.50 in. O.D. x 2.50 in. Tube Bore Rotatable 316LN CF Flange	\$355.00
5004133	CF600R-400-316LN	6.00 in. O.D. x 4.00 in. Tube Bore Rotatable 316LN CF Flange	\$550.00
5004153	CF800R-600-316LN	8.00 in. O.D. x 6.00 in. Tube Bore Rotatable 316LN CF Flange	\$725.00
5004161	CF1000R-800-316LN	10.00 in. O.D. x 8.00 in. Tube Bore Rotatable 316LN CF Flange	\$1,225.00

To place an order or find more information about 316LN Flanges, contact one of our applications engineers at [1-800-352-6431](tel:1-800-352-6431) or visit us online at [www.ancorp.com](http://www.ancorp.com).