

## 304L and 316L

### Material Data Sheet

Wilfley pumps and parts are available in 304L and 316L chromium-nickel stainless steels.

Wilfley 304L and 316L stainless steels fall under ASTM specification A743. Both stainless steels are provided in a low carbon content form, which enhances their weldability and offers greater immunity to intergranular corrosion.

### Mechanical Properties

Specification	Hardness HBN (Typical)	Tensile Strength	Yield Strength	Elongation
304L / CF-3	170	Min 75,000 psi	Min 30,000 psi	Min 35%
316L / CF-3M	180	Min 70,000 psi	Min 30,000 psi	Min 30%

### Chemical Composition (weight %)

	304L / CF-3	316L / CF-3M
C (carbon)	.03 max	.03 max
Cr (chromium)	17-21	17-22
Ni (nickel)	8-12	9-13
Mo (molybdenum)		2.0-3.0
Mn (manganese)	1.5 max	1.5 max
P (phosphorus)	.04 max	.04 max
S (sulfur)	.04 max	.04 max
Si (silicon)	2.0 max	1.5 max
Fe (iron)	Balance	Balance