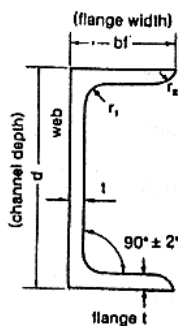


## Welded Channels

### AISI 304

#### Sizes, Tolerances & Weights

Size (in.) d x bf x t	Tolerance		AISI 304 . 304L	AISI 316 . 316L
	d	bf	Unit weight (lb/ft)	Unit weight (lb/ft)
3 x 1 1/2 x 3/16	±1/8	±1/8	3.70	3.70
4 x 2 x 3/16	±1/8	±1/8	5.03	5.03
4 x 2 x 1/4	±1/8	±1/8	6.58	6.58
5 x 2 1/2 x 1/4	±3/16	±1/8	8.40	8.40
6 x 3 x 1/4	±3/16	±1/8	10.14	10.14
6 x 3 x 3/8	±3/16	±1/8	14.77	14.77
8 x 4 x 3/8	±3/16	+3/16 - 1/8	20.02	20.02



Size (mm) d x bf x t	Tolerance		AISI 304 . 304L	AISI 316 . 316L
	d	bf	Unit weight (kg/m)	Unit weight (kg/m)
80 x 40 x 5	±2.00	±2.00	6.08	6.08
100 x 50 x 4	±2.00	±2.00	6.28	6.28
100 x 50 x 6	±2.00	±2.00	9.16	9.16
130 x 65 x 6	±3.00	±3.00	12.20	12.20
150 x 75 x 6	±3.00	±3.00	14.13	14.13
150 x 75 x 9	±3.00	±3.00	20.53	20.53
200 x 100 x 10	±4.00	±4.00	30.80	30.80

#### MECHANICAL PROPERTIES OF AISI 304 BUTT WELDED JOINT

Joint Thickness (inch)	Tension test			Bend Test (180°)	
	Y.S. 0.2%	T.S.	E.L.	Face	Root
	P.S.I.	P.S.I.	%		
3/16	50200	95800	57.7	Good	Good
1/4	48800	93100	57.2	Good	Good
3/8	41200	85200	43.2	Good	Good

Joint Thickness (mm)	Tension test			Bend Test (180°)	
	Y.S. 0.2%	T.S.	E.L.	Face	Root
	(kg/mm <sup>2</sup> )	(kg/mm <sup>2</sup> )	%		
5	34	62	57.7	Good	Good
6	35	62	57.2	Good	Good
10	37	60	43.2	Good	Good