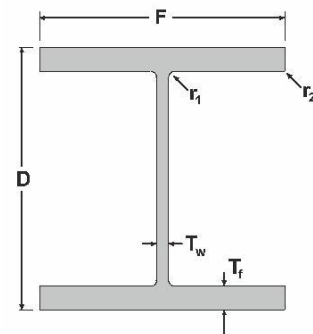


# UNIVERSAL BEAMS AND COLUMNS

**LASER FUSED**, according to ASTM A1069, dimensional tolerances and grades, according to ASTM A276, ASTM A484, ASTM A479, ASME SA479, MTC EN 10204 3.1

Standard stainless steel grades 304/L and 316/L  
Annealed and pickled, lengths of 6000 -0/+100 mm



Designation	Dimensions (in mm)				Radius (in mm)		Mass kg/m
	D	F	Tw	Tf	r <sub>1</sub>	r <sub>2</sub>	
100x50	100	50	5	7	2	1	9.0
100x100	100	100	5	7	2	1	14.6
	100	100	6	8	2	1	16.8
125x60	125	60	6	8	2	1	12.9
125x125	125	125	6.5	9	2	1	23.6
150x75	150	75	5	7	2	1	13.8
150x100	148	100	6	9	2	1	20.6
150x150	150	150	7	10	2	1	31.3
	154	151	8	12	2	1	37.3
175x90	175	90	5	8	2	1	17.9
175x125	175	125	5.5	8	2	1	23.0
175x175	171	174	6	9	2	1	32.4
	175	175	7.5	11	2	1	40.0
200x100	198	99	4.5	7	2	1	17.7
	200	100	5.5	8	2	1	20.9
200x150	194	150	6	9	2	1	30.0
	198	151	7	11	2	1	36.4
200x200	196	199	6.5	10	2	1	41.0
	200	200	8	12	2	1	49.7
	204	201	9	14	2	1	57.7
	208	202	10	16	2	1	65.8
250x125	248	124	5	8	2	1	25.2
	250	125	6	9	2	1	29.1
250x175	244	175	7	11	2	1	43.2
	248	176	8	13	2	1	50.8
	252	177	9	15	2	1	58.5

## HOTO STAINLESS STEEL INDUSTRIES SDN BHD

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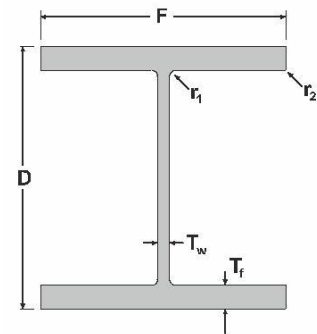
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Standard stainless steel grades 304/L and 316/L  
Annealed and pickled, lengths of 6000 -0/+100 mm



Designation	Dimensions (in mm)				Radius (in mm)		Mass kg/m
	D	F	Tw	Tf	r <sub>1</sub>	r <sub>2</sub>	
250x250	248	249	8	13	2	1	66.0
	250	250	9	14	2	1	72.0
	260	253	12	19	2	1	98.2
300x150	294	148	4.5	6	2	1	24.4
	298	149	5.5	8	2	1	31.5
	300	150	6.5	9	2	1	36.3
	304	150	6.5	11	2	1	41.1
	306	151	7.5	12	2	1	45.9
	318	154	11	18	2	1	69.2
300x200	290	199	7	10	2	1	47.0
	294	200	8	12	2	1	55.7
	298	201	9	14	2	1	64.5
	304	202	10	17	2	1	76.5
300x300	298	299	9	14	2	1	86.4
	300	300	10	15	2	1	93.6
	304	301	11	17	2	1	105.6
	310	303	13	20	2	1	125.0
	310	305	15	20	2	1	130.0
	312	310	20	21	2	1	147.4
350x175	346	174	6	9	2	1	40.8
	350	175	7	11	2	1	49.2
	354	176	8	13	2	1	57.6
	358	177	9	15	2	1	66.1
	360	178	10	16	2	1	71.8
	364	177	11	18	2	1	79.8

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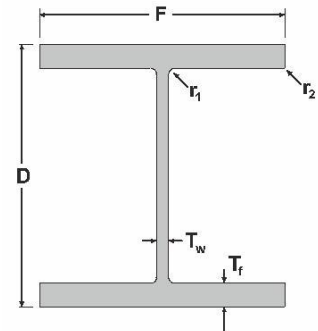
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Standard stainless steel grades 304/L and 316/L  
Annealed and pickled, lengths of 6000 -0/+100 mm



Designation	Dimensions (in mm)				Radius (in mm)		Mass
	D	F	Tw	Tf	r <sub>1</sub>	r <sub>2</sub>	kg/m
350x350	344	348	10	16	2	1	114.0
	350	350	12	19	2	1	136.4
400x200	396	199	7	11	2	1	56.0
	400	200	8	13	2	1	65.5
	404	201	9	15	2	1	75.2
	410	202	10	18	2	1	88.1
400x300	386	299	9	14	2	1	92.8
	390	300	10	16	2	1	105.4
	396	302	12	19	2	1	126.2
400x400	388	402	15	15	2	1	139.4
	394	398	11	18	2	1	146.1
	400	400	13	21	2	1	171.6
450x200	446	199	8	12	2	1	65.2
	450	200	9	14	2	1	75.2
	456	201	10	17	2	1	88.4
	460	202	11	19	2	1	98.5
	460	205	14	19	2	1	109.6
450x300	434	299	10	15	2	1	104.1
	440	300	11	18	2	1	122.0
	446	302	13	21	2	1	143.5
500x200	496	199	9	14	2	1	78.3
	500	200	10	16	2	1	88.6
	506	201	11	19	2	1	102.3
	512	202	12	22	2	1	116.0

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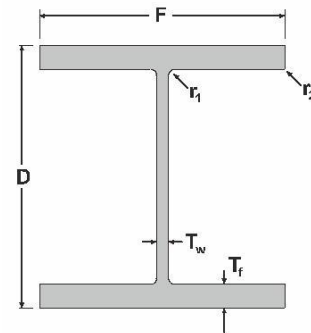
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Standard stainless steel grades 304/L and 316/L  
Annealed and pickled, lengths of 6000 -0/+100 mm



Designation	Dimensions (in mm)				Radius (in mm)		Mass
	D	F	Tw	Tf	r <sub>1</sub>	r <sub>2</sub>	kg/m
500x300	482	300	11	15	2	1	111.8
	488	300	11	18	2	1	126.2
	494	302	13	21	2	1	148.5
600x200	592	197	8	13	2	1	77.2
	596	199	10	15	2	1	93.0
	600	200	11	17	2	1	104.2
	606	201	12	20	2	1	118.7
600x300	582	300	12	17	2	1	134.2
	588	300	12	20	2	1	148.6
	594	302	14	23	2	1	172.5
700x300	692	300	13	20	2	1	163.8
	700	300	13	24	2	1	183.0
800x300	792	300	14	22	2	1	189.4
	800	300	14	26	2	1	208.6
900x300	890	299	15	23	2	1	211.3

Notes : Profiles are Laser fused with full penetration, equivalent to hot rolled

r<sub>1</sub> = laser welded seam with radius <2 mm

Other stainless steel grades are produced upon request

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