

STAINLESS STEEL SHEET – PLATE
STAINLESS STEEL PIPE – TUBE – PROFILE
STAINLESS STEEL ROD – BAR
STAINLESS STEEL FITTINGS

“The Power of Metal Always by Your Side”



YILDIZAY

PASLANMAZ

METAL ÜRÜNLERİ SAN. TİC. LTD. ŞTİ.



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201	1.4372
301	1.4310
304	1.4301
304L	1.4307
309S	1.4833
310S	1.4845
316	1.4401
316L	1.4404
316Ti	1.4571
321	1.4541
430	1.4016

The most important alloying elements that determine the internal structure of stainless steels, in order of importance, are Cr, Ni, Mo, and Mn. Among these elements, Cr and Ni determine whether the internal structure is austenitic or ferritic.

Austenitic Stainless Steels:

This group includes the most commonly used stainless steels, such as grades 304, 316, and the high-alloyed 310S. With a minimum of 7% Ni in its composition, Ni makes the steel structure entirely austenitic. Ni imparts ductility, the ability to work over a wide temperature range, non-magnetic properties, and good weldability to the material.

Ferritic Stainless Steels:

This group includes stainless steels containing 12-18% Cr with low carbon content. The most commonly used type is grade 430. Their structure is similar to that of mild steels, but they have high corrosion resistance.

Austenitic-Ferritic (Duplex) Stainless Steels:

These steels are named duplex stainless steels due to their internal structure consisting of both austenitic and ferritic phases. They contain high levels of Cr (18-28%) and moderate amounts of Ni (4.5-8%). The presence of 8% nickel is insufficient for a fully austenitic structure. The duplex structure provides strength and ductility.

Martensitic Stainless Steels:

These steels contain 0.1% C and 11-13% Cr in their composition. They have moderate corrosion resistance. Heat treatment can be applied, and they can be hardened.

Surface Qualities

EN	AISI	SURFACE FINISH	SURFACE TREATMENTS
1D	1	NO 1	Hot rolled, annealed, matte surface
2B	2B	2B	Cold rolled, annealed, matte surface
2R	BA	BA	Cold rolled, annealed, bright surface
2J	6	5B	Cold rolled, brushed (Scotch-Brite)
2K	3	3N	Cold rolled, satin finish (coarse)
	3	4N	Cold rolled, satin finish (fine)
2M		BA 21	Cold rolled, bright, straight square pattern
		BA 22	Cold rolled, bright, cross pattern
		BA 25	Cold rolled, bright, dot pattern
		BA 42	Cold rolled, bright, leather pattern
		NO 1 - 100	Cold rolled, teardrop pattern surface

BOX PROFILE WEIGHT CHART (kg/m)

OUTER DIMENSION (mm)	1	1.2	1.5	2	2.5	3	4
20x10 mm	0.453	0.538	0.661				
20x15 mm	0.533	0.634	0.781				
25x10 mm	0.613	0.729	0.9	1.175			
30x10 mm	0.613	0.729	0.9				
30x15 mm	0.693	0.825	1.02	1.335			
30x20 mm	0.772	0.921	1.14	1.494			
35x20 mm	0.852	1.017	1.259	1.654			
40x15 mm	0.853	1.017	1.259	1.654			
40x20 mm	0.926	1.112	1.379	1.813			
40x30 mm	1.091	1.303	1.618	2.132	2.661	3.156	
50x20 mm	1.091	1.303	1.618	2.132			
50x25 mm		1.399	1.738	2.292			
50x30 mm	1.251	1.495	1.857	2.451			
50x40 mm		1.686	2.097	2.77	3.412	4.081	
60x20 mm		1.495	1.57	2.451			
60x30 mm		1.686	2.097	2.77	3.412	4.081	
60x40 mm		1.878	2.336	3.089	3.819	4.559	5.96
80x40 mm		2.261	2.814	3.727	4.6	5.516	7.222
80x60 mm			3.293	4.365	5.408	6.473	8.504
100x40 mm			3.293	4.365	5.408	6.473	8.504
100x50 mm			3.532	4.684	5.824	6.952	9.169
100x60 mm			3.771	5.003		7.430	9.807
100x80 mm				5.642		8.387	11.803
120x40 mm				5.003		7.430	9.807
120x60 mm				5.642		8.387	11.083
120x80 mm				6.279		9.343	12.358
140x60 mm				6.279		9.343	12.358
150x50 mm				6.279		9.343	12.358
150x100 mm				7.874		11.735	15.548
160x80 mm				7.555		11.258	14.910
180x60 mm				7.555		11.258	14.910

BOX PROFILE WEIGHTS (kg/m)

THICKNESS SIZE	1	1.2	1.5	2	2.5	3	4	5
12 X 12	0.358	0.415	0.508					
15X15	0.453	0.538	0.661					
16X16	0.458	0.576	0.709	0.920				
20X20	0.613	0.729	0.901	1.176				
22X22	0.677	0.806	0.996	1.303				
25X25	0.772	0.921	1.140	1.495	1.837	2.167		
30X30	0.932	1.112	1.379	1.814	2.236	2.645		
35X35	1.091	1.304	1.618	2.133	2.635	3.124		
40X40	1.251	1.495	1.858	2.542	3.033	3.602	4.708	
45X45	1.410	1.686	2.097	2.771	3.432	4.081	5.309	
50X50	1.570	1.878	2.336	3.090	3.831	4.559	5.960	
60X60			2.814	3.728	4.628	5.516	7.255	8.943
70X70			3.293	4.366	5.426	6.473	8.531	10.538
80X80			3.771	5.004	6.223	7.430	9.807	12.133
100X100			4.728	6.276	7.818	9.344	1.2359	15.323
120X120				7.555	9.416	11.258	14.910	18.513

PIPE WEIGHTS (KG/M)

THICKNESS SIZE	1	1.2	1.5	2	2.5	3	4	5
10.0	0.225	0.264	0.319					
12.0	0.275	0.325	0.394	0.500				
14.0	0.326	0.385	0.470	0.601				
15.0	0.351	0.415	0.507	0.651				
16.0	0.376	0.445	0.545	0.701				
17.0	0.406	0.481	0.590	0.761	0.921			
18.0	0.426	0.505	0.620	0.801				
19.0	0.452	0.536	0.659	0.854				
20.0	0.476	0.565	0.695	0.901				
21.0	0.508	0.604	0.744	0.967	1.177			
22.0	0.526	0.625	0.770	1.002				
23.0	0.551	0.655	0.808	1.051				
25.0	0.601	0.715	0.883	1.152	1.409			
26.0	0.649	0.772	0.954	1.247	1.527	1.795		
28.0	0.676	0.805	0.995	1.302	1.596	1.878		
30.0	0.726	0.865	1.070	1.402	1.722	2.028		
32.0	0.776	0.925	1.146	1.502	1.847	2.178		
33.7	0.819	0.977	1.209	1.588	1.953	2.306		
35.0	0.851	1.016	1.258	1.653	2.035	2.404		
38.0	0.929	1.109	1.375	1.808	2.229	2.637		
40.0	0.977	1.166	1.446	1.903	2.348	2.779		
42.4	1.037	1.238	1.536	2.023	2.498	2.960	3.847	
45.0	1.102	1.316	1.634	2.153	2.661	3.155	4.125	
48.3	1.184	1.415	1.758	2.319	2.867	3.403	4.438	
50.8	1.247	1.490	1.852	2.444	3.010	3.591		
51.0	1.252	1.496	1.859	2.454	3.036	3.606		
54.0	1.327	1.587	1.972	2.604	3.224	3.831		
60.3	1.485	1.776	2.209	2.920	3.618	4.304	5.640	
63.5	1.565	1.825	2.329	3.080	3.819	4.545	5.960	
70.0	1.728	2.067	2.573	3.405	4.226	5.033	6.611	
76.1	1.881	2.251	2.802	3.711	4.607	5.491	7.222	
80.0	1.978	2368	2.948	3.906	4.852	5.784	7.613	
88.9			3.283	4.352	5.409	6.453	8.504	
101.6			3.760	4.988	6.204	7.407	9.776	12.094
104.0			3.850	5.108	6.354	7.587	10.016	12.395
114.3			4.237	5.624	6.999	8.361	11.048	13.984
129.0			4.789	6.360	7.919	9.465	12.520	15.525
139.7			5.191	6.896	8.589	10.269	13.592	16.864
168.3			6.245	8.328	10.397	12.417	46.456	20.445

ROD AND SHAFT WEIGHTS (KG/M)

DIAMETER/mm	DIAMETER/mm	DIAMETER/mm	DIAMETER/mm	DIAMETER/mm	DIAMETER/mm
3.0	0.06	20.0	2.48	70.0	30.38
4.0	0.10	21.0	2.73	75.0	34.88
5.0	0.16	22.0	3.00	80.0	39.68
6.0	0.22	24.0	3.57	85.0	44.80
7.0	0.30	25.0	3.88	90.0	50.22
8.0	0.40	26.0	4.19	95.0	55.96
9.0	0.50	28.0	4.86	100.0	62.00
10.0	0.62	30.0	5.58	105.0	68.36
11.0	0.75	32.0	6.35	110.0	75.02
12.0	0.89	35.0	7.60	115.0	82.00
13.0	1.05	38.0	8.95	120.0	89.28
14.0	1.22	40.0	9.92	125.0	96.88
15.0	1.40	45.0	12.56	130.0	107.78
16.0	1.59	50.0	15.50	135.0	113.00
17.0	1.79	55.0	18.76	140.0	121.52
18.0	2.01	60.0	22.32	150.0	139.50
19.0	2.24	65.0	26.20	160.0	158.22

STAINLESS STEEL HEXAGON

SIZE (sq/mm)	WEIGHT (kg/m)	SIZE (sq/mm)	WEIGHT (kg/m)
11.0	0.82	6 x 6	0.28
13.0	1.15	8 x 8	0.51
14.0	1.33	10 x 10	0.79
15.0	1.53	12 x 12	1.14
17.0	1.97	14 x 14	1.55
19.0	2.45	16 x 16	2.02
22.0	3.29	18 x 18	2.56
24.0	3.92	20 x 20	3.16
27.0	4.96	22 x 22	3.82
30.0	6.12	25 x 25	4.94
32.0	6.96	30 x 30	7.11
36.0	8.81	35 x 35	9.68
41.0	11.43	40 x 40	12.64

STAINLESS STEEL SHEET PLATE WEIGHT CHART

THICKNESS	1000 X 2000	1250 X 2500	1500 X 3000
0.40	6.4 kg	10.0 kg	14.4 kg
0.50	8.0 kg	12.5 kg	18.0 kg
0.60	9.6 kg	15.0 kg	21.6 kg
0.70	11.2 kg	17.5 kg	25.2 kg
0.80	12.8 kg	20.0 kg	28.8 kg
1.00	16.0 kg	25.0 kg	36.0 kg
1.20	19.2 kg	30.0 kg	43.2 kg
1.50	24.0 kg	37.5 kg	54.0 kg
2.00	32.0 kg	50.0 kg	72.0 kg
2.50	40.0 kg	62.5 kg	90.0 kg
3.00	48.0 kg	75.0 kg	108.0 kg
4.00	64.0 kg	100.0 kg	144.0 kg
5.00	80.0 kg	125.0 kg	180.0 kg
6.00	96.0 kg	150.0 kg	216.0 kg
7.00	112.0 kg	175.0 kg	252.0 kg
8.00	128.0 kg	200.0 kg	288.0 kg
10.00	160.0 kg	250.0 kg	360.0 kg

STAINLESS STEEL FLAT BAR WEIGHT CHART (KG/M)

THICKNESS	2	3	4	5	6	8	10	12	15
10	0.16	0.24	0.32	0.40					
15	0.24	0.36	0.48	0.60					
20	0.32	0.48	0.64	0.80	0.95	1.27		kg/m	
25	0.40	0.60	0.80	0.99	1.19	1.59			
30	0.48	0.72	0.95	1.19	1.43	1.91	2.39		
35	0.56	0.83	1.11	1.39	1.67	2.23	2.78		
40	0.64	0.95	1.27	1.59	1.91	2.54	3.18	3.82	
45	0.72	1.07	1.43	1.79	2.15	2.86	3.58	4.29	
50	0.80	1.19	1.59	1.99	2.39	3.18	3.98	4.77	
60		1.43	1.91	2.39	2.86	3.82	4.77	5.72	
70		1.67	2.23	2.78	3.34	4.45	5.57	6.69	
80		1.91	2.54	3.18	3.82	5.09	6.36	7.63	
90		2.15	2.86	3.58	4.29	5.72	7.16	8.59	
100		2.39	3.18	3.98	4.77	6.36	7.95	9.54	11.93

ASTM STANDARD	430		
EN STANDARD	1.4016		
UNS STANDARD	543000		
GRADE	Ferritic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.08	0.08	
CORROSION RESISTANCE	When properly heat-treated, the atmospheric corrosion resistance is good. It has good corrosion resistance in weak organic acid environments, detergents, and alkaline solutions. However, it is highly sensitive to chlorides in oxidizing environments.		
HIGH-TEMPERATURE PERFORMANCE	It can be used continuously up to 800°C and intermittently up to 850°C. It has adequate scale formation resistance. It also has good corrosion resistance against sulfur-containing gases in coal and oil-fired furnaces.		
WELDABILITY	Weldability is moderate, and post-weld annealing is recommended.		
APPLICATIONS	It is used in the automotive industry for body parts, bumpers, all kitchen equipment, and cutlery production, as well as in the food and chemical industries and interior design.		
ASTM STANDARD	430 Ti		
EN STANDARD	1.4510		
UNS STANDARD	543900		
GRADE	Ferritic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.07	0.07	0.5
CORROSION RESISTANCE	The corrosion resistance is very good. It is not sensitive to stress corrosion. It has good corrosion resistance in weak organic acid environments, detergents, and alkaline solutions. However, its corrosion resistance to other mineral acids and chlorides is not sufficient.		
HIGH-TEMPERATURE PERFORMANCE	The high-temperature resistance is good. It can be used at variable temperatures up to 900°C and has adequate scale formation resistance.		
WELDABILITY	Weldability is moderate. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	It is used in household appliances such as water heaters, exhaust systems, washing machines, food facilities, heat exchangers, and other household equipment due to its corrosion resistance.		
ASTM STANDARD	420		
EN STANDARD	1.4021		
UNS STANDARD	542000		
GRADE	Martensitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.15	0.15	
CORROSION RESISTANCE	It has good resistance to weak acids. However, its corrosion resistance is negatively affected in oxidizing environments, particularly in the presence of chlorides.		
HIGH-TEMPERATURE PERFORMANCE	It is resistant to high-temperature oxidation up to approximately 700°C.		
WELDABILITY	It is not a suitable material for welding applications.		
APPLICATIONS	It is preferred in areas requiring high strength and wear resistance, such as knives, medical instruments, brake pads, pump brushes, valve stems, and studs.		

ASTM STANDARD	304		
EN STANDARD	1.4301		
UNS STANDARD	530400		
GRADE	Austenitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.08	0.08	8
CORROSION RESISTANCE	It has excellent atmospheric corrosion resistance. It provides good corrosion resistance in neutral, humid, alkaline, and non-chloride acidic environments. It is suitable for architectural applications and food processing environments. It is easy to clean and resistant to organic chemicals.		
HIGH-TEMPERATURE PERFORMANCE	It is resistant to high-temperature oxidation up to approximately 800°C.		
WELDABILITY	Weldability is excellent. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	Due to its excellent corrosion resistance, cold formability, and weldability, it is preferred and used in household appliances, dishwashers, kitchen devices, automotive industry, food processing plants, fermentation equipment, and nitrogen facilities.		
ASTM STANDARD	304 L		
EN STANDARD	1.4306		
UNS STANDARD	530453		
GRADE	Austenitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.03	0.03	8
CORROSION RESISTANCE	Its corrosion resistance is similar to that of 304. In addition to the properties of 304, it has good resistance to intergranular corrosion and stress corrosion cracking. It is particularly resistant to nitric acid.		
HIGH-TEMPERATURE PERFORMANCE	It is resistant to high-temperature oxidation up to approximately 900°C. It is suitable for use under mechanical stress.		
WELDABILITY	Weldability is moderate. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	It is preferred for parts that cannot be annealed after welding. It can be used in areas exposed to organic and fruit acids. Therefore, it is preferred in the food, soap, and synthetic fiber industries. It is also widely used in the chemical, petrochemical, paper, and leather industries.		
ASTM STANDARD	309		
EN STANDARD	1.4828		
UNS STANDARD	530900		
GRADE	Austenitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.2	0.2	12
CORROSION RESISTANCE	It has low resistance to sulfurous gases but excellent resistance to nitrogenous gases.		
HIGH-TEMPERATURE PERFORMANCE	The high chromium and nickel content prevents high-temperature oxidation. It is heat-resistant in air up to approximately 1000°C. It has good mechanical and creep resistance.		
WELDABILITY	Weldability is good. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	It is a high-temperature material. It is used in applications that require heat resistance, such as furnace and equipment construction, air preheaters, cementation boxes, and annealing doors.		

ASTM STANDARD	309 S		
EN STANDARD	1.4833		
UNS STANDARD	S30908		
GRADE	Austenitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.08	22.5	12
CORROSION RESISTANCE	It has low resistance to sulfurous gases and moderate resistance to nitrogenous gases.		
HIGH-TEMPERATURE PERFORMANCE	The high chromium and nickel content prevents high-temperature oxidation. It is heat-resistant in air up to approximately 1000°C and offers good mechanical and creep resistance.		
WELDABILITY	Weldability is good. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	It is a high-temperature material used in heat-resistant applications.		

ASTM STANDARD	310		
EN STANDARD	1.4841		
UNS STANDARD	S31000		
GRADE	Austenitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.25	25	20
CORROSION RESISTANCE	It has low resistance to sulfurous gases and moderate resistance to nitrogenous gases.		
HIGH-TEMPERATURE PERFORMANCE	The high chromium and nickel content prevents high-temperature oxidation. It is heat-resistant in air up to approximately 1000°C. It offers excellent mechanical and creep resistance.		
WELDABILITY	Weldability is good. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	It is a high-temperature material used in heat-resistant applications, such as furnace and equipment construction, air preheaters, cementation boxes, annealing doors, and extreme heat environments.		

ASTM STANDARD	310 S		
EN STANDARD	1.4845		
UNS STANDARD	S31008		
GRADE	Austenitic		
CHEMICAL COMPOSITION	C	Cr	Ni
	0.08	25	20
CORROSION RESISTANCE	It has low resistance to sulfurous gases and moderate resistance to nitrogenous gases.		
HIGH-TEMPERATURE PERFORMANCE	The high chromium and nickel content prevents oxidation and ensures heat resistance up to approximately 1050°C in air. It offers excellent mechanical strength and creep resistance.		
WELDABILITY	Weldability is good. All methods can be applied except gas tungsten arc welding.		
APPLICATIONS	It is a high-temperature material used in industrial furnaces, steam boilers, petroleum plants, and thermocouple protection applications.		

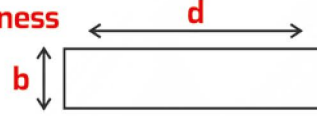
ASTM STANDARD	316				
EN STANDARD	1.4401				
UNS STANDARD	S31600				
GRADE	Austenitic				
CHEMICAL COMPOSITION	C	Cr	Ni	Mo	
	0.08	17	12	12	
CORROSION RESISTANCE	With the addition of molybdenum, it gains excellent corrosion resistance. It can be used comfortably in the atmosphere, dry air, industrial environments, and seawater. Corrosion resistance is enhanced in food processing environments and areas with organic and inorganic chemicals.				
HIGH-TEMPERATURE PERFORMANCE	Molybdenum also improves high-temperature strength. It is resistant to oxidation up to 1090°C, with good mechanical and creep resistance.				
WELDABILITY	Weldability is excellent, with all methods applicable except gas welding.				
APPLICATIONS	It is used in high-temperature, load-bearing components, and industries such as chemical, petrochemical, and food processing. Common applications include heat exchangers, steam boilers, industrial kitchens, juice and liquor production, meat processing units, transport, and storage tanks.				

ASTM STANDARD	316 L				
EN STANDARD	1.4404				
UNS STANDARD	S31603				
GRADE	Austenitic				
CHEMICAL COMPOSITION	C	Cr	Ni	Mo	
	0.03	17	12	2	
CORROSION RESISTANCE	With the addition of molybdenum, it offers excellent corrosion resistance. It performs well in the atmosphere, dry air, industrial environments, and seawater. It also provides good resistance in food processing environments and where organic and inorganic chemicals are present.				
HIGH-TEMPERATURE PERFORMANCE	The molybdenum content enhances high-temperature strength. It is resistant to oxidation up to 1090°C, with good mechanical and creep resistance.				
WELDABILITY	Weldability is excellent, and all methods can be used except gas welding.				
APPLICATIONS	It is widely used in high-temperature, load-bearing components in the chemical, petrochemical, and food industries. Applications include heat exchangers, steam boilers, industrial kitchens, juice and liquor production, meat processing units, and transport and storage tanks.				

ASTM STANDARD	316 Ti				
EN STANDARD	1.4571				
UNS STANDARD	S31365				
GRADE	Austenitic				
CHEMICAL COMPOSITION	C	Cr	Ni	Ti	
	0.08	25	20	5x(C+N)	
CORROSION RESISTANCE	Its corrosion resistance is similar to 316 grade. The addition of titanium and the bonding of carbon as titanium carbide stabilize the internal structure, enhancing durability.				
HIGH-TEMPERATURE PERFORMANCE	It is resistant to oxidation up to 900°C, with excellent mechanical and creep resistance.				
WELDABILITY	Weldability is excellent, and all methods except gas welding can be used.				
APPLICATIONS	It is commonly used in high-temperature, load-bearing components in the chemical, petrochemical, and food industries. Other applications include heat exchangers, steam boilers, industrial kitchens, juice and liquor production, meat processing units, and storage and transport tanks.				

		INTERNATIONAL STANDARDS		FINLAND	SWEDEN	COUNTRY STANDARDS				CHEMICAL VALUES (%)				
		ASTM	EN	Polarit	Avesta Sheffield	DIN	B5	NF	SS	C	Cr	Ni	Mo	Diğer
GENERAL - PURPOSE USE	Ferritic	409	1.4512	853	409 HyForm	1.4512	409S19	409S19	-	0.02	12	-	-	Ti
		S41050	1.4003		3/12 HyFab	1.4003	-	-	-	0.02	11.5	4	-	-
		410S	1.4000		410S	1.4000	403S17	Z8 C12	2301	0.04	12	-	-	-
		430	1.4016		430	1.4016	430S17	Z8 C17	2320	0.04	16.5	-	-	-
	Martensitic	S42010	1.4021		420L	1.4021	420S29	Z20 C13	2303	0.20	13	2	-	-
		420	1.4028		420M	1.4028	420S45	Z33 C13	2304	0.30	12.5	2	-	-
		-	1.4418		248 SV	1.4418	-	Z6 CND 16-05-01	2387	0.03	16	5	1	-
	Duplex	409	1.4362		SAF 2304	1.4362	-	Z3 CN 23-04 Az	2327	0.02	23	4.5	-	-
		329	1.4460		25-5-1L	1.4460	-	Z5 CND 27-05- A2	2324	0.02	25	5	1.5	-
		S31803	1.4462		2205	1.4462	318S13	Z3 CND 22-05 Az	2377	0.02	22	5.5	3	-
		S32750	1.4410		SAF 2507	-	-	Z3 CND 25-06 Az	2328	0.02	25	7	4	-
	Austenitic	201	1.4372	-	17-5 Mn	-	-	Z12 CMN 17-07 Az	-	0.05	17	5	-	Mn
		301	1.4310	710	17-7	1.4310	301S21	Z11 CN 18-08	2331	0.10	17	7	-	-
		304L	1.4307	720	18-8L	1.4307	304S11	Z3 CN 18-10	2352	0.02	18.3	9.2	-	-
		304	1.4301	725	18-8	1.4301	304S31	Z7 CN 18-09	2333	0.04	18.3	8.7	-	-
		304LN	1.4311	721	18-8LN	1.4311	304S61	Z3 CN 18-10 Az	2371	0.02	18.3	8.7	-	-
		321	1.4541	731	18-10Ti	1.4541	321S31	Z6 CNT 18-10	2337	0.04	17.3	9.2	-	Ti
		S30430	1.4567	-	18-8Cu	1.4567	-	Z3 CNU 18-09 FF	-	0.01	18	9	-	Cu
		304L	1.4306	720	19-11L	1.4306	304S11	Z3 CN 18-10	2352	0.02	18.3	10.2	-	-
		305	1.4303	-	18-12	1.4303	305S19	Z1 CN 18-12	-	0.02	18	11.5	-	-
		316L	1.4404	750	17-11-2L	1.4404	316S11	Z3 CND 17-11-02	2348	0.02	17.3	11	2.2	-
		316	1.4401	755	17-11-2	1.4401	316S31	Z7 CND 17-11-02	2347	0.04	16.8	10.7	2.2	-
		316LN	1.4406	751	17-11-2LN	1.4406	316S61	Z3 CND 17-11 Az	-	0.02	17.5	11	2.2	-
		316Ti	1.4571	761	17-11-2Ti	1.4571	320S31	Z6 CNDT 17-12	2350	0.04	17	11	2.2	Ti
		316L	1.4432	752	17-12-2.5L	-	316S13	Z3 CND 17-12-03	2353	0.02	17	11.7	2.7	-
		316	1.4436	757	17-12.5	1.4436	316S33	Z7 CND 18-12-03	2343	0.04	17	11	2.7	-
		316L	1.4435	752	17-14-2.5L	1.4435	316S13	Z3 CND 18-14-03	2353	0.02	17.3	12.7	2.7	-
		317L	1.4438	770	18-14-3L	1.4438	317S12	Z3 CND 19-15-04	2367	0.02	18.3	12.2	3.2	-
317LN		1.4434	-	17-11-3LN	-	-	Z3 CND 19-14 Az	2373	0.02	17	11	3.2	-	
S31726		1.4439	772	17-14-4LN	1.4439	-	Z3 CND 18-14-05 Az	-	0.02	17.3	12.7	4.2	-	
N08904		1.4539	774	904L	1.4539	904S13	Z2 NCDU 25-20	2562	0.01	20	25	4.5	Cu	
S31254	1.4547	-	254 SMO	-	-	-	2378	0.01	20	18	6.1	Cu		
S32654	1.4652	-	654 SMO	-	-	-	-	0.01	24	22	7.3	Mn,Cu		
HEAT RESISTANT	Austenitic	304H	1.4948	-	18-8	1.4948	304S51	Z6 CN 18-09	2333	0.05	18.3	8.7	-	-
		321H	1.4878	-	18-10Ti	1.4878	321S51	Z6 CNT 18-10	2337	0.05	17.3	9.2	-	Ti
		S30415	1.4818	-	153 MA	-	-	-	2372	0.05	18.5	9.5	-	Si,Ce
		309S	1.4833	744	23-13	1.4833	309S16	Z15 CN 24-13	-	0.06	22.5	12.5	-	-
		-	1.4828	-	20-12Si	1.4828	-	Z17 CNS 20-12	-	0.04	20	12	-	Si
		S30815	1.4835	-	253MA	-	-	-	2368	0.09	21	11	-	Si,Ce
		310S	1.4845	-	25-20	1.4845	310S16	Z8 CN 25-20	2361	0.05	25	20	-	-
		S35315	1.4854	-	353 MA	-	-	-	-	0.05	25	35	-	Si,Ce

d=width b= Thickness

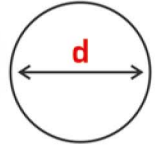


304-316 GRADE STAINLESS STEEL FLAT BAR

DIMENSIONI (mm) SIZES ABMESSUNGEN DIMENSIONS	SPESORI (mm) - TICKNESS - DISKEN - EPAISSEURS											
	2	3	4	5	6	8	10	12	15	20	30	40
10	0.16	0.24	0.31	0.39								
15	0.24	0.35	0.47	0.59	0.71							
20	0.31	0.47	0.63	0.79	0.94	1.26	1.57		2.33			
25		0.59	0.79	0.98	1.18	1.57	1.96		3.58			
30		0.71	0.94	1.18	1.41	1.88	2.36	2.83	3.54	3.80		
35		0.82	1.10	1.37	1.65	2.20	2.75	3.30				
40		0.94	1.26	1.57	1.88	2.51	3.14	3.77	4.63	6.27	9.25	
45		1.06	1.41	1.77	2.12	2.83	3.53	4.24				
50		1.18	1.57	1.96	2.36	3.14	3.93	4.71	5.90	7.60	11.83	
55		1.30	1.73	2.16	2.59	3.45	4.32	5.18				
60		1.42	1.88	2.36	2.83	3.77	4.71	5.65	7.10	9.38		19.25
65		1.53	2.04	2.55	3.06	4.08	5.10	6.12				
70		1.65	2.20	2.75	3.30	4.40	5.50	6.59	8.40			
75		1.77	2.35	2.94	3.53	4.71	5.89	7.07				
80		1.88	2.52	3.14	3.77	5.02	6.28	7.54	9.48	12.95		25.95
85		2.0	2.67	3.34	4.00	5.34	6.67	8.00				
90		2.12	2.82	3.53	4.24	5.65	7.07	8.48				
100		2.36	3.14	3.93	4.71	6.28	7.85	9.42	12.37	15.93		
110		2.59	3.45	4.32	5.19	6.92	8.65	1.037				
120		2.84	3.76	4.71	5.65	7.54	9.42	11.30				

304-316 GRADE STAINLESS STEEL ROD

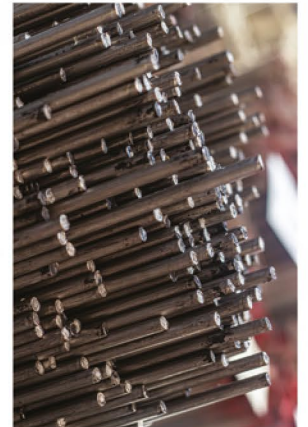
d=diameter



mm	kg/mt
4	0.1
5	0.15
6	0.22
7	0.3
8	0.4
9	0.5
10	0.62
11	0.75
12	0.890
13	1.040
14	1.210
15	1.390
16	1.580
17	1.780
18	2.000

mm	kg/mt
19	2.230
20	2.470
21	2.720
22	2.980
23	3.260
24	3.550
25	3.850
30	5.550
35	7.550
40	9.860
45	12.480
50	15.410
55	18.650
60	22.200
65	26.050

mm	kg/mt
70	30.210
75	34.680
80	39.460
85	44.500
90	49.940
100	61.700
110	74.600
120	88.800
125	96.300
130	104.000
140	121.000
150	138.000
160	158.000
180	200.000
200	247.000



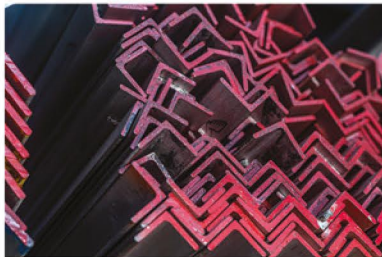
304-316 GRADE STAINLESS SQUARE



Size	Kg	Size	Kg
4	0.130	22	3.800
5	0.200	23	4.150
6	0.280	24	4.520
7	0.390	25	4.910
8	0.500	30	7.065
9	0.640	35	9.620
10	0.785	40	12.600
11	0.950	45	15.900
12	1.113	50	19.600
13	1.330	55	23.800
14	1.540	60	28.300
15	1.770	65	33.200
16	2.010	70	38.500
17	2.270	75	44.200
18	2.540	80	50.200
19	2.830	85	56.700
20	3.140	90	63.600
21	3.460		

304-316 GRADE STAINLESS ANGLE

SIZE	WEIGHT
25X25X3 mm	1.121 KG
30x30x3 mm	1.401 KG
30x30x4 mm	1.781 KG
40x40x4 mm	2.421 KG
50x50x5 mm	3.771 KG
60x60x6 mm	5.421 KG
65x65x7 mm	6.821 KG
70x70x7 mm	7.381 KG
80x80x8 mm	9.661 KG
110x100x10 mm	15.101 KG
120x120x11 mm	19.901 KG



304-316 GRADE STAINLESS HEXAGON

DIN 176.h11	
Size (ws/mm)	Weight (ws/mm)
4	0.109
5	0.170
6	0.245
7	0.333
8	0.440
9	0.550
10	0.680
11	0.823
12	0.980
13	1.150
14	1.330
15	1.530
16	1.740
17	1.960
18	2.200
19	2.450
20	2.720
21	3.000
22	3.290
23	3.600
24	3.910
25	4.250
30	6.100
35	8.330
40	10.900
45	13.800
50	17.000



STAINLESS STEEL SHEET - PLATE
STAINLESS STEEL PIPE - TUBE - PROFILE
STAINLESS STEEL ROD - BAR
STAINLESS STEEL FITTINGS



YILDIZAY
PASLANMAZ

METAL ÜRÜNLERİ SAN. TİC. LTD. ŞTİ.





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