

[www.hirbodsteel.com](http://www.hirbodsteel.com)



Hirbod Steel

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Hirbod Steel

**Zarandieh Hirbod Steel Industry**

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### **HIRBOD Steel**

Zarandieh Hirbod Steel Industries Company (Hirbod Steel) is one of the most complete complexes of steel production in Iran and Middle East. Hirbod steel has been operated in Mamounieh Industrial Town located at Zarandieh city of Markazi province in 2012, following convergent and continuous supply pattern of an agile and dynamic chain and providing lean thought of entrepreneurship in Iran within private sector investment. Current capacity of this complex is over 2.2million tons per year. Supply chain of the products includes steel billet in different dimensions, steel rebar in all diameters and various types of constructional and industrial profiles and pipes. Hirbod Steel employing skilled and committed experts and specialists with modern and up to date equipment as its main assets could influence target market effectively in the country and abroad by manufacturing different and unique products.

### **Mission**

Hirbod Steel is dedicated to exceeding lean production, customer orientation and intimacy by producing and distributing world class steel products utilizing its diligent and dynamic culture, experienced and efficient employees and managers.

### **Key Values**

- Hirbod Steel considers the manpower as its main assets and does its best to enhancing their self-confidence and sublimation.
- Responsibility is our primary concern.
- Customer orientation, intimacy and respecting all customers is our essential belief.
- Observing legal and ethical rules in all work processes is a noteworthy duty.
- Hirbod Steel commits to all accepted human values.
- We do believe that the customer is always right. They do not need us, but we are depended on them.
- We do believe that all beneficiaries are deserved to receive the most possible interest observing law and ethical rules.
- We consider our city as our home. We do our best in order to preserve the environment.

### Factories

Hirbod Steel has concentrated in Zarandieh Hirbod Steel and Zarandieh Omid Arian Melting complexes. Zarandieh Hirbod Steel Industries Complex has composed of a rebar (Hot Rolling) and a profile and pipe manufacturing factory as well as two separated machineries plant. The space of interconnected halls is 8Hectares that has been constructed in a land spreading over an area of 35Hectares.





The structure of this integrated niche with weight of 7000 Tons is new of its kind in Iran. Weighbridges of 60 Tons, 40 overhead & gantry cranes and machineries for carrying raw materials and products, are used to support and render services to the complex. Moreover, Zarandieh Omid Arian Melting Industries Complex has composed an billet and rebar (Hot Rolling) manufacturing factories that are spread over an area of 14Hectares (8 Hectare for manufacturing hall).





### Rebar Factory

Hirbod Steel has composed of two separated rebar manufacturing factories that have been established in Zarandieh Hirbod Steel industries and Zarandieh Omid Arian Melting Industries Complexes and manufactures 1,200,000 Tons of different kinds of round and reinforcing bars.







# Rebar Factory

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### Rebar Production Line

Rebar production line has composed of a furnace with the capacity of 100 tons per hour and 18 joined vertical-horizontal stands together with DC motors, thermex, three shears including roughing shears, hot and cold shears, 80 meters cooling bed, two packing baskets along with four automatic knotting machine and automatic floor scale. During production process, steel billet are sent directly to pre-heated furnace by the crane equipped with magnet and heated up to rolling temperature (1100-1250° C). Then, the molten billets are directed to the manufacturing line and cooled immediately by thermex, passing through some pairs of rollers and after reaching to appropriate condition, they are heated up to almost 400° C. At the end, the cut rebar is transferred to cooling bed for final cooling and sheared in dimensions of 12 meters and then packed.

# Rebar Production Line









### **Products of Rebar Factory**


Rebar factory manufactures all sizes of round and reinforcing bar range from number 8 to 36 mm in A2 and A3 grades according to standard Din-Gost (A2,A3) (Equal to ISIRI No. 3132) by advanced technology. Rebars with a size of 8 and 10mm are manufactured in the form of four pieces, size of 12mm in the form of three pieces, sizes of 14, 16 and 18mm in the form of two pieces and other products are manufactured in the form of single piece and are packed in the form of bundle. Every package has a label containing all required specifications.

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# Products of Rebar Factory



Different sizes of rebar are used in all concrete structures including bridge construction, dam construction, powerhouses, industrial unit construction, and residential, administrative and commercial complexes and so on.



Chemical, physical and dimensional specifications of Spindle Rebar in size of 8 to 36 mm with A2 grade (Spiral tread) and A3 (Chevron tread) according standard Din -Gost (A2, A3) (Equal to ISIRI No. 3132).

Dimensional specifications												
Nominal diameter	Grade	Min. height Transverse rib		Width of transverse rib		Pitch (mm)		Longitudinal rib		Weigh per meter length (kg)	Mass tolerance %	
		Min.	Max.	Min.	Max.	Min.	Max.	Max. height	Nominal width		Singel piece	Bundle
8	A2	0.52	0.36	0.8	1.6	4.8	6.5	1.2	0.8	0.395	± 8	± 7
10	A2	0.65	0.45	1	2	5.53	7.48	1.5	1	0.616	± 6	± 4.5
12	A3	0.78	0.54	1.2	2.4	6.12	8.28	1.8	1.2	0.888	± 6	± 4.5
14	A3	0.91	0.63	1.4	2.8	7.14	9.66	2.1	1.4	1.21	± 5	± 4.5
16	A3	1.04	0.72	1.6	3.2	8.16	11.04	2.4	1.6	1.58	± 5	± 3.5
18	A3	1.17	0.81	1.8	3.6	9.18	12.42	2.7	1.8	2	± 5	± 3.5
20	A3	1.3	0.9	2	4	10.2	13.8	3	2	2.47	± 5	± 3.5
22	A3	1.43	0.99	2.2	4.4	11.22	15.18	3.3	2.2	2.98	± 4	± 3.5
25	A3	1.63	1.13	2.5	5	12.75	17.25	3.75	2.5	3.85	± 4	± 3.5
28	A3	1.82	1.26	2.8	5.6	14.28	19.32	4.2	2.8	4.83	± 4	± 3.5
32	A3	2.09	1.44	3.2	6.4	16.24	21.97	4.8	3.2	6.31	± 4	± 3.5
36	A3	2.34	1.62	3.6	7.2	18.36	24.84	5.4	3.6	7.99	± 4	± 3.5

#### Chemical specifications of products with A3 grade

Element	Carbon	Silicon	Manganese	Phosphor	Sulphur	Equivalent carbon
%	0.37	0.6	1.6	0.045	0.045	Pre-heat on
Tolerance	0.03	+ 0.05	0.06	+ 0.005	+ 0.005	welding

#### Chemical specifications of products with A2 grade

Element	Carbon	Silicon	Manganese	Phosphor	Sulphur	Equivalent carbon
%	0.32	0.6	1.3	0.045	0.045	0.5
Tolerance	0.03	+ 0.05	0.06	+ 0.005	+ 0.005	-

#### Physical specifications of products with A2 grade

Min. relative length increase %	Min. tensile strength	Min. yield stress
A10	A5	(n/mm <sup>2</sup> )
15	18	500
		340

#### Physical specifications of products with A3 grade

Min. Relative Length Increase %	Min. Tensile Strength	Min. Yield Stress
A10	A5	(n/mm <sup>2</sup> )
12	16	600
		400

#### Length tolerance of piece

From 3.5 to 6.5 Meter
40 + (mm)
From 7 to 9
70 + (mm)
From 10 to 12
120 + (mm)





# Products of Rebar Factory

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# Profile and Pipe Factory

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### **Profile and Pipe Factory**

Hirbod profile and pipe factory has created a unique setting for profile and pipe production in Iran and Middle East benefitting from 23 production lines and support equipment including slitting, sheet cutting and rewinding machineries with production capacity of one million tons per year. Using High grade raw material supplied by reliable local and foreign suppliers in addition to advanced technology in production line has made Hirbod Steel a leading company in profile and pipe industry. These products are produced according to national and international standards.





### Home Gas Pipes

Hirbod Steel home gas pipes are produced in diameter of 1/4" to 4" using ERW method according to Din 2440 and 2441 (according to ISIRI No 3360).

# Profile and Pipe Products

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Technical standard     DIN2440  
                                      DIN2441

#### 2440 Standard:

Nominal	Size	Outer diameter	Thickness	Thickness tolerance	Weight per meter length of black pipe
mm	inch	mm	mm	mm	Round double faced(kg)
8	1/4	13.5	2.35	-15%	0.650
10	3/8	17.2	2.35		0.852
15	1/2	21.3	2.65		1.220
20	3/4	26.9	2.65		1.580
25	1	33.7	3.25		2.440
32	1 1/4	42.4	3.25		3.140
40	1 1/2	48.3	3.25		3.610
50	2	60.3	3.65		5.100
65	2 1/2	76.1	3.65		6.510
80	3	88.9	4.05		8.470
100	4	114.3	4.5		12.100
125	5	139.7	4.85		16.200
150	6	165.1	4.85		19.200

#### 2441 Standard:

Nominal	Size	Outer diameter	Thickness	Thickness tolerance	Weight per meter length of black pipe
mm	inch	mm	mm	mm	Round double faced(kg)
8	1/4	13.5	2.9	-15%	0.769
10	3/8	17.2	2.9		1.020
15	1/2	21.3	3.25		1.450
20	3/4	26.9	3.25		1.900
25	1	33.7	4.05		2.970
32	1 1/4	42.4	4.05		3.840
40	1 1/2	48.3	4.05		4.430
50	2	60.3	4.5		6.170
65	2 1/2	76.1	4.5		7.900
80	3	88.9	4.85		10.100
100	4	114.3	5.4		14.400
125	5	139.7	5.4		17.800
150	6	165.1	5.4		21.200





# Technical Standard

DIN 2394 (1)  
EN 10 219 - 2  
17003 - 2

Up to ST44-2  
ST37-2

Dim. (mm)	Thickness (mm) and weight of per meter length (kg)																		
	1	1.25	1.40	1.50	1.60	1.75	1.80	2	2.30	2.50	2.60	2.90	3	3.20	3.50	3.60	3.70	3.80	4
10	0.224	0.272	0.300	0.317	0.335	0.360	-	-	-	-	-	-	-	-	-	-	-	-	-
12	0.273	0.335	0.370	0.392	0.415	0.447	0.457	-	-	-	-	-	-	-	-	-	-	-	-
13	0.298	0.365	0.405	0.430	0.455	0.490	0.502	0.578	0.613	-	-	-	-	-	-	-	-	-	-
13.5	0.312	0.382	0.422	0.448	0.475	0.512	0.525	0.573	0.642	-	-	-	-	-	-	-	-	-	-
14	0.323	0.397	0.440	0.467	0.493	0.533	0.547	0.598	0.670	-	-	-	-	-	-	-	-	-	-
14.5	0.336	0.412	0.457	0.486	0.514	0.555	0.570	0.622	-	-	-	-	-	-	-	-	-	-	-
15	0.348	0.428	0.475	0.505	0.533	0.578	0.592	0.648	0.728	-	-	-	-	-	-	-	-	-	-
16	0.373	0.460	0.508	0.542	0.573	0.622	0.637	0.697	0.785	-	-	-	-	-	-	-	-	-	-
17.2	0.403	0.497	0.552	0.587	0.622	0.673	0.690	0.757	0.853	0.915	-	-	-	-	-	-	-	-	-
18	0.423	0.522	0.578	0.617	0.653	0.708	0.727	0.797	0.900	0.965	-	-	-	-	-	-	-	-	-
19	0.448	0.553	0.613	0.653	0.693	0.752	0.772	0.847	0.957	1.027	-	-	-	-	-	-	-	-	-
19.1	0.451	0.556	0.617	0.658	0.697	0.756	0.776	0.852	0.962	1.034	-	-	-	-	-	-	-	-	-
20	0.473	0.583	0.647	0.692	0.733	0.795	0.817	0.872	1.013	1.090	1.192	-	-	-	-	-	-	-	-
21	0.498	0.615	0.683	0.728	0.773	0.838	0.860	0.947	1.072	1.152	1.208	-	-	-	-	-	-	-	-
21.25	0.505	0.623	0.692	0.738	0.783	0.850	0.872	0.958	1.085	1.167	1.257	-	-	-	-	-	-	-	-
22	0.523	0.647	0.718	0.767	0.813	0.883	0.905	0.997	1.128	1.215	1.270	-	-	-	-	-	-	-	-
22.2	0.528	0.652	0.725	0.773	0.822	0.892	0.915	1.007	1.140	1.227	-	-	-	-	-	-	-	-	-
22.5	0.535	0.662	0.735	0.783	0.833	0.905	0.928	1.022	1.157	1.245	-	-	-	-	-	-	-	-	-
23.5	0.560	0.693	0.770	0.822	0.873	0.948	0.973	1.072	1.215	1.307	-	-	-	-	-	-	-	-	-
24	0.573	0.708	0.788	0.840	0.893	0.970	0.995	1.097	1.243	1.338	-	-	-	-	-	-	-	-	-
25	0.598	0.740	0.823	0.878	0.933	1.013	1.040	1.145	1.300	1.402	-	-	-	-	-	-	-	-	-
25.4	0.608	0.752	0.837	0.893	0.948	1.030	1.058	1.165	1.323	1.427	-	-	-	-	-	-	-	-	-
26	0.623	0.770	0.858	0.915	0.972	1.057	1.085	1.195	1.358	1.463	1.515	1.668	1.718	-	-	-	-	-	-
26.70	0.640	0.792	0.882	0.942	1.000	1.087	1.117	1.230	1.398	1.507	1.561	1.719	1.771	-	-	-	-	-	-
28	0.672	0.833	0.928	0.990	1.052	1.143	1.175	1.295	1.472	1.588	-	-	-	-	-	-	-	-	-
28.6	0.687	0.852	0.948	1.012	1.077	1.170	1.202	1.325	1.507	1.625	1.683	1.857	1.913	2.025	2.188	-	-	-	-
30	0.722	0.895	0.997	1.065	1.132	1.232	1.265	1.395	1.587	1.712	-	-	-	-	-	-	-	-	-
31.8	0.767	0.952	1.060	1.132	1.203	1.310	1.345	1.485	1.690	1.825	-	-	-	-	-	-	-	-	-
32	0.772	0.957	1.067	1.140	1.212	1.318	1.353	1.495	1.702	1.837	-	-	-	-	-	-	-	-	-
33	0.797	0.988	1.102	1.177	1.252	1.362	1.398	1.545	1.758	1.898	1.968	2.173	2.242	2.375	2.572	2.636	2.700	2.764	2.889
33.4	0.815	1.010	1.127	1.203	1.280	1.393	1.430	1.578	1.798	1.943	2.013	2.225	2.293	2.432	2.633	-	-	-	-
34	0.822	1.020	1.137	1.215	1.292	1.405	1.443	1.593	1.817	1.962	2.033	2.247	2.317	2.455	2.658	2.726	2.792	2.858	2.989
35	0.847	1.050	1.172	1.252	1.332	1.450	1.488	1.643	1.873	2.023	-	-	-	-	-	-	-	-	-
37	0.897	1.113	1.242	1.327	1.410	1.537	1.578	1.743	1.988	2.148	-	-	-	-	-	-	-	-	-
38	0.922	1.143	1.277	1.363	1.450	1.580	1.623	1.793	2.045	2.210	2.292	2.535	2.615	2.773	3.007	3.085	3.162	3.237	3.387
38.70	0.938	1.167	1.300	1.390	1.478	1.610	1.655	1.828	2.085	2.253	2.338	2.585	2.667	2.830	3.068	3.147	3.225	3.303	3.457
40	0.972	1.207	1.347	1.438	1.530	1.667	1.713	1.893	2.160	2.335	2.422	2.680	2.765	2.933	3.182	3.263	3.345	3.427	3.587
42	1.022	1.268	1.415	1.513	1.610	1.755	1.802	1.993	2.275	2.460	2.552	2.823	2.913	3.092	3.357	3.443	3.530	3.615	3.785
42.25	1.032	1.282	1.430	1.528	1.627	1.772	1.820	2.012	2.297	2.485	2.577	2.853	2.943	3.125	3.392	3.478	3.567	3.653	3.825
44.75	1.090	1.355	1.512	1.615	1.720	1.875	1.925	2.130	2.432	2.630	2.730	3.023	3.120	3.312	3.597	3.690	3.783	3.875	4.060
45	1.097	1.362	1.520	1.625	1.730	1.885	1.937	2.142	2.447	2.647	2.745	3.042	3.138	3.332	3.618	3.712	3.807	3.900	4.085
46.7	1.138	1.415	1.580	1.688	1.797	1.960	2.013	2.227	2.543	2.752	2.855	3.163	3.265	3.467	3.767	3.865	3.963	4.060	4.253
47	1.145	1.425	1.590	1.700	1.810	1.972	2.027	2.242	2.560	2.772	2.875	3.185	3.288	3.492	3.792	3.892	3.990	4.088	4.283
48	1.170	1.455	1.625	1.737	1.848	2.017	2.072	2.292	2.618	2.833	2.940	3.258	3.362	3.570	3.880	3.982	4.082	4.183	4.383
48.6	1.185	1.473	1.645	1.760	1.873	2.042	2.098	2.322	2.652	2.870	2.978	3.302	3.407	3.618	3.932	4.035	4.138	4.240	4.443
50	1.220	1.518	1.695	1.812	1.928	2.103	2.162	2.392	2.733	2.958	3.070	3.402	3.512	3.730	4.053	4.160	4.267	4.373	4.583
50.8	1.240	1.543	1.723	1.842	1.960	2.138	2.197	2.433	2.778	3.007	3.122	3.460	3.572	3.793	4.123	4.232	4.340	4.448	4.663
51	1.245	1.548	1.730	1.850	1.968	2.147	2.205	2.442	2.790	3.020	3.135	3.475	3.587	3.810	4.140	4.250	4.358	4.467	4.682
54	1.320	1.642	1.833	1.962	2.088	2.277	2.340	2.590	2.962	3.207	3.328	3.692	3.810	4.048	4.402	4.518	4.635	4.752	4.982
55	1.338	1.673	1.868	1.998	2.128	2.322	2.385	2.640	3.018	3.268	3.393	3.763	3.885	4.128	4.490	4.608	4.728	4.845	5.082
55.56	1.358	1.692	1.888	2.020	2.150	2.345	2.410	2.668	3.052	3.303	3.430	3.803	3.927	4.173	4.538	4.658	4.778	4.898	5.138
57	1.395	1.735	1.938	2.073	2.208	2.408	2.475	2.740	3.133	3.393	3.523	3.908	4.035	4.288	4.663	4.788	4.912	5.035	5.280



## Industrial Pipes

These products are widely used in various industries. Adequate ductility, high resistance and accuracy of weld ability are among specifications of these products. Hirbod Steel profile and pipe factory supply all kinds of industrial international standards.



## Furniture Pipes

Hirbod Steel profile and pipe factory produces furniture pipes in different thickness required in various industries according to the buyers' requirements with the best quality and distributes it to the market.

Diameter	Thickness	Thickness	Thickness
13mm	0.8mm	0.9mm	1mm
16mm	0.8mm	0.9mm	1mm
18mm	0.8mm	0.9mm	1mm
19mm	0.8mm	0.9mm	1mm
20mm	0.8mm	0.9mm	1mm
22mm	0.8mm	0.9mm	1mm
25mm	0.8mm	0.9mm	1mm
32mm	0.8mm	0.9mm	1mm





# Profile and Pipe Products

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Technical Standard DIN 2395  
EN 10219 – 2  
17003-2



## Industrial and Construction Square Hollow Sections

Flexibility, precious welding, high resistance, accurate dimensions and high quality are among specifications of these products.

### Square hollow section

Dim. (mm)	Thickness (mm) and weight of per meter length (kg)																									
	1	1.25	1.4	1.5	1.6	1.75	1.8	2	2.3	2.5	2.6	2.9	3	3.2	3.5	3.6	3.7	3.8	4	4.5	5	6.3	7.1	8	10	12
8*8	0.230	0.249	0.307	0.325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10*10	0.281	0.343	0.379	0.402	0.425	0.458	0.469	0.510	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12*12	0.383	0.470	0.522	0.555	0.588	0.637	0.652	0.715	0.805	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15*15	0.460	0.567	0.628	0.670	0.710	0.770	0.790	0.868	0.980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16*16	0.485	0.598	0.665	0.708	0.752	0.815	0.837	0.918	1.038	1.117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17.5*17.5	0.518	0.640	0.711	0.758	0.804	0.873	0.896	0.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19*19	0.593	0.736	0.819	0.878	0.948	1.017	1.046	1.154	1.318	1.424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20*20	0.613	0.758	0.843	0.900	0.955	1.038	1.067	1.173	1.333	1.435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25*25	0.792	0.982	1.093	1.168	1.242	1.352	1.387	1.532	1.743	1.882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30*30	0.962	1.195	1.333	1.425	1.515	1.650	1.695	1.873	2.137	2.310	2.395	2.650	2.733	2.900	3.145	3.225	3.305	3.385	3.543	-	-	-	-	-	-	-
31.8*31.8	0.995	1.237	1.380	1.473	1.568	1.706	1.755	1.940	2.213	2.393	2.482	2.747	2.833	3.005	3.260	3.345	3.428	3.512	3.675	-	-	-	-	-	-	-
35*35	1.117	1.388	1.548	1.655	1.762	1.920	1.973	2.182	2.492	2.697	2.797	3.098	3.197	3.393	3.685	3.782	3.877	3.972	4.160	-	-	-	-	-	-	-
38*38	1.208	1.501	1.676	1.792	1.907	2.079	2.136	2.363	2.700	2.922	3.033	3.360	3.469	3.683	4.002	4.107	4.212	4.316	4.523	-	-	-	-	-	-	-
40*40	1.250	1.555	1.737	1.857	1.977	2.155	2.215	2.450	2.800	3.032	3.145	3.487	3.598	3.822	4.153	4.263	4.372	4.482	4.697	-	-	-	-	-	-	-
45*45	1.428	1.780	1.987	2.123	2.262	2.467	2.535	2.807	3.210	3.477	3.608	4.133	4.300	4.393	4.778	4.905	5.033	5.158	5.410	-	-	-	-	-	-	-
50*50	1.595	1.987	2.218	2.373	2.528	2.758	2.835	3.140	3.593	3.892	4.042	4.485	4.632	4.925	5.360	5.503	5.647	5.790	6.075	6.777	7.465	-	-	-	-	-
60*60	-	2.388	2.670	2.857	3.042	3.322	3.413	3.783	4.332	4.697	4.877	5.418	5.597	5.953	6.485	6.662	6.837	7.012	7.362	8.223	9.073	-	-	-	-	-
70*70	-	-	-	3.347	3.565	3.893	4.002	4.437	5.083	5.513	5.727	6.365	6.577	7.000	7.628	7.838	8.047	8.253	8.668	9.693	10.707	-	-	-	-	-
75*75	-	-	-	3.580	3.815	4.165	4.282	4.747	5.442	5.902	6.132	6.817	7.045	7.498	8.173	8.398	8.622	8.845	9.290	10.395	11.485	-	-	-	-	-
80*80	-	-	-	3.848	4.100	4.478	4.603	5.105	5.853	6.348	6.597	7.335	7.580	8.070	8.798	9.042	9.283	9.525	10.005	11.198	12.378	-	-	-	-	-
90*90	-	-	-	4.307	4.590	5.013	5.155	5.717	6.557	7.115	7.393	8.223	8.500	9.050	9.872	10.143	10.417	10.688	11.230	12.577	13.910	-	-	-	-	-
100*100	-	-	-	-	-	5.595	5.752	6.380	7.320	7.943	8.255	9.185	9.495	10.112	11.032	11.338	11.643	11.948	12.557	14.070	15.568	-	-	-	-	-
110*110	-	-	-	-	-	-	-	7.045	8.083	8.773	9.118	10.148	10.490	11.173	12.193	12.533	12.872	13.210	13.885	15.563	17.233	-	-	-	-	-
112*112	-	-	-	-	-	-	-	7.172	8.230	8.933	9.284	10.333	10.680	11.377	12.417	12.763	13.108	13.452	14.140	15.850	17.547	-	-	-	-	-
120*120	-	-	-	-	-	-	-	7.657	8.788	9.540	9.915	11.037	11.408	12.153	13.265	13.635	14.005	14.373	15.110	16.950	18.767	-	-	-	-	-
125*125	-	-	-	-	-	-	-	8.014	9.199	9.986	10.376	11.554	11.945	12.725	13.891	14.279	14.666	15.053	15.824	17.745	19.653	-	-	-	-	-
135*135	-	-	-	-	-	-	-	8.488	9.745	10.580	10.997	12.242	12.657	13.485	14.722	15.133	15.543	15.955	16.767	18.817	20.833	-	-	-	-	-
140*140	-	-	-	-	-	-	-	8.857	10.167	11.038	11.473	12.775	13.208	14.072	15.365	15.795	16.223	16.653	17.517	19.633	21.767	-	-	-	-	-
160*160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.500	-	24.500	30.400	34.100	38.200	47.300	56.200
180*180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.400	-	26.700	33.700	37.500	42.100	52.100	61.900
200*200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.400	-	30.400	38.100	42.800	48.000	59.500	70.800
220*220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.800	-	33.400	41.800	47.000	52.800	65.500	78.000





## Industrial and Construction Rectangular Hollow sections

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DIN 2395

Technical Standard EN 10219 – 2

17003-2

## Rectangular hollow section

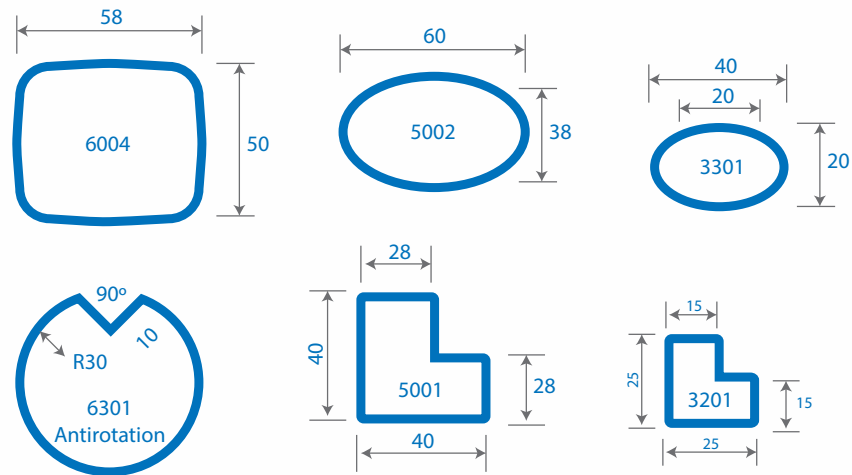
Dim. (mm)	Thickness (mm) and weight of per meter length (kg)																									
	0.9	1	1.25	1.4	1.5	1.6	1.75	1.8	2	2.3	2.5	2.6	2.9	3	3.2	3.5	3.6	3.7	3.8	4	4.5	5	5.6	5.8	6	
10*20	0.415	0.460	0.567	0.628	0.670	0.710	0.770	0.790	0.868	0.980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14*20	0.475	0.526	0.649	0.722	0.770	0.817	0.887	0.910	1.001	1.133	1.219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10*25	0.485	0.537	0.662	0.737	0.785	0.833	0.905	0.928	1.022	1.157	1.245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15*25	0.553	0.613	0.758	0.843	0.900	0.955	1.038	1.067	1.173	1.333	1.435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20*25	0.623	0.688	0.853	0.950	1.015	1.078	1.172	1.203	1.327	1.508	1.627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10*30	0.553	0.613	0.758	0.843	0.900	0.955	1.038	1.067	1.173	1.333	1.435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15*30	0.623	0.688	0.853	0.950	1.015	1.078	1.172	1.203	1.327	1.508	1.627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20*30	0.715	0.792	0.982	1.093	1.168	1.242	1.352	1.387	1.532	1.743	1.882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10*35	0.623	0.688	0.853	0.950	1.015	1.078	1.172	1.203	1.327	1.508	1.627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15*35	0.715	0.792	0.982	1.093	1.168	1.242	1.352	1.387	1.532	1.743	1.882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10*40	0.715	0.792	0.982	1.093	1.168	1.242	1.352	1.387	1.532	1.743	1.882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
15*40	0.783	0.868	1.077	1.201	1.283	1.364	1.485	1.525	1.685	1.920	2.074	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20*40	0.868	0.962	1.195	1.333	1.425	1.515	1.650	1.695	1.873	2.137	2.310	2.395	2.650	2.733	2.900	3.145	3.225	3.305	3.385	3.543	-	-	-	-	-	
25*40	0.898	0.995	1.237	1.380	1.473	1.568	1.708	1.755	1.940	2.213	2.393	2.482	2.747	2.833	3.005	3.260	3.345	3.428	3.512	3.675	-	-	-	-	-	
30*40	1.007	1.117	1.388	1.548	1.655	1.762	1.920	1.973	2.182	2.492	2.697	2.797	3.098	3.197	3.393	3.685	3.782	3.877	3.972	4.160	-	-	-	-	-	
35*40	1.088	1.207	1.500	1.673	1.790	1.905	2.077	2.133	2.362	2.697	2.920	3.030	3.357	3.465	3.680	3.998	4.103	4.207	4.312	4.518	-	-	-	-	-	
10*50	0.868	0.962	1.195	1.333	1.425	1.515	1.650	1.695	1.873	2.137	2.310	2.395	2.650	2.733	2.900	3.145	3.225	3.305	3.385	3.543	-	-	-	-	-	
15*50	0.898	0.995	1.237	1.380	1.473	1.568	1.708	1.755	1.940	2.213	2.393	2.482	2.747	2.833	3.005	3.260	3.345	3.428	3.512	3.675	-	-	-	-	-	
20*50	1.007	1.117	1.388	1.548	1.655	1.762	1.920	1.973	2.182	2.492	2.697	2.797	3.098	3.197	3.393	3.685	3.782	3.877	3.972	4.160	-	-	-	-	-	
25*50	1.088	1.207	1.500	1.673	1.790	1.905	2.077	2.133	2.362	2.697	2.920	3.030	3.357	3.465	3.680	3.998	4.103	4.207	4.312	4.518	-	-	-	-	-	
30*50	1.125	1.250	1.555	1.737	1.857	1.977	2.155	2.215	2.450	2.800	3.032	3.145	3.487	3.598	3.822	4.153	4.263	4.372	4.482	4.697	-	-	-	-	-	
40*50	1.288	1.428	1.780	1.987	2.123	2.262	2.467	2.535	2.807	3.210	3.477	3.608	4.133	4.300	4.393	4.778	4.905	5.033	5.158	5.410	-	-	-	-	-	
45*50	-	1.507	1.995	2.093	2.240	2.385	2.602	2.673	2.960	3.387	3.668	3.808	4.227	4.365	4.638	5.047	5.182	5.317	5.450	5.717	6.375	7.018	7.775	8.024	8.270	
35*55	1.228	1.428	1.780	1.987	2.123	2.262	2.467	2.535	2.807	3.210	3.477	3.608	4.133	4.300	4.393	4.778	4.905	5.033	5.153	5.410	-	-	-	-	-	
40*55	-	1.507	1.995	2.093	2.240	2.385	2.602	2.673	2.960	3.387	3.668	3.808	4.227	4.365	4.638	5.047	5.182	5.317	5.450	5.717	6.375	7.018	7.775	8.024	8.270	
20*60	1.128	1.250	1.555	1.737	1.857	1.977	2.155	2.215	2.450	2.800	3.032	3.145	3.487	3.598	3.822	4.153	4.263	4.372	4.482	4.697	-	-	-	-	-	
25*60	1.220	1.353	1.683	1.880	2.100	2.140	2.333	2.398	2.655	3.035	3.287	3.412	3.782	3.905	4.148	4.600	4.632	4.750	4.878	5.105	-	-	-	-	-	
30*60	1.288	1.428	1.780	1.987	2.123	2.262	2.467	2.535	2.807	3.210	3.477	3.608	4.133	4.300	4.393	4.778	4.905	5.033	5.158	5.410	-	-	-	-	-	
40*60	-	1.595	1.987	2.218	2.373	2.528	2.758	2.835	3.140	3.593	3.892	4.042	4.485	4.632	4.925	5.360	5.503	5.647	5.790	6.075	6.777	7.465	8.275	8.542	8.805	
50*60	-	-	2.193	2.452	2.622	2.793	3.048	3.133	3.472	3.975	4.307	4.473	4.967	5.130	5.455	5.940	6.102	6.262	6.420	6.738	7.523	8.295	9.205	9.503	9.802	
20*70	1.228	1.428	1.780	1.987	2.123	2.262	2.467	2.535	2.807	3.210	3.477	3.608	4.133	4.300	4.393	4.778	4.905	5.033	5.158	5.410	-	-	-	-	-	
30*70	-	1.595	1.987	2.218	2.373	2.528	2.758	2.835	3.140	3.593	3.892	4.042	4.485	4.632	4.925	5.360	5.503	5.647	5.790	6.075	6.777	7.465	8.275	8.542	8.805	
40*70	-	-	2.193	2.452	2.622	2.793	3.048	3.133	3.472	3.975	4.307	4.473	4.967	5.130	5.455	5.940	6.102	6.262	6.420	6.738	7.523	8.295	9.205	9.503	9.802	
50*70	-	-	2.388	2.670	2.857	3.042	3.322	3.413	3.783	4.332	4.697	4.877	5.418	5.597	5.953	6.485	6.662	6.837	7.012	7.362	8.223	9.073	10.077	10.407	10.735	
20*80	-	1.595	1.987	2.218	2.373	2.528	2.758	2.835	3.140	3.593	3.892	4.042	4.485	4.632	4.925	5.360	5.503	5.647	5.790	6.075	6.777	7.465	8.275	8.542	8.805	
30*80	-	-	2.193	2.452	2.622	2.793	3.048	3.133	3.472	3.975	4.307	4.473	4.967	5.130	5.455	5.940	6.102	6.262	6.420	6.738	7.523	8.295	9.205	9.503	9.802	
40*80	-	-	2.388	2.670	2.857	3.042	3.322	3.413	3.783	4.332	4.697	4.877	5.418	5.597	5.953	6.485	6.662	6.837	7.012	7.362	8.223	9.073	10.077	10.407	10.735	
60*80	-	-	-	-	3.347	3.565	3.893	4.002	4.437	5.083	5.513	5.727	6.365	6.577	7.000	7.628	7.838	8.047	8.253	8.668	9.693	10.707	11.907	12.302	12.695	
20*90	-	-	2.193	2.453	2.622	2.793	3.028	3.133	3.472	3.975	4.307	4.473	4.967	5.130	5.455	5.940	6.102	6.262	6.420	6.738	7.523	8.295	9.205	9.503	9.802	
30*90	-	-	2.388	2.670	2.857	3.042	3.322	3.413	3.783	4.332	4.697	4.877	5.418	5.597	5.953	6.485	6.662	6.837	7.012	7.362	8.223	9.073	10.077	10.407	10.735	
50*90	-	-	-	-	3.347	3.565	3.893	4.002	4.437	5.083	5.513	5.727	6.365	6.577	7.000	7.628	7.838	8.047	8.253	8.668	9.693	10.707	11.907	12.302	12.695	
70*90	-	-	-	-	3.848	4.100	4.478	4.603	5.105	5.853	6.348	6.597	7.335	7.580	8.070	8.798	9.042	9.283	9.525	10.005	11.198	12.378	13.778	14.242	14.702	
40*100	-	-	-	-	3.347	3.565	3.893	4.002	4.437	5.083	5.513	5.727	6.365	6.577	7.000	7.628	7.838	8.047	8.253	8.668	9.693	10.707	11.907	12.302	12.685	
50*100	-	-	-	-	3.580	3.815	4.165	4.282	4.747	5.442	5.902	6.132	6.8													



# Profile

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### Industrial formed profile

Hirbod Steel produce formed profile according to customer's order as below table:

Profile No	Thickness (mm)		Weight of per meter length kg		
	1	1.5	2	2.5	3
6004	1.474	2.199	2.917	3.635	4.352
5002	1.221	1.825	2.425	3.023	3.603
3301	0.807	1.205	1.599	1.989	2.375
6301		2.352	3.120	3.871	4.480
3201	0.780	1.158	1.536	1.830	2.200
5001	1.247	1.868	2.480	3.080	3.674





# Window and Door Profiles

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Group	Profile No	Dimension (mm)				Weight of per meter length						
		A	B	C	D	T=0.8mm	T=0.9mm	T=1.0mm	T=1.25mm	T=1.5mm	T=1.8mm	T=2.0mm
1	4591	30	29	25.5	40	-	1.01	1.12	-	1.655	1.973	-
	456	22	29	25.5	42	-	1.01	1.12	-	1.655	1.973	-
	457	32	29	25.5	32	-	1.01	1.12	-	1.655	1.973	-
	458	20	33.5	25.5	40	-	-	-	-	1.655	1.973	-
	459	30	33.5	25.5	30	-	-	-	-	1.655	1.973	-
	191	22	10	6		-	-	-	-	0.660	0.840	-
2	94	21	10	6		-	-	-	-	0.660	0.840	-
	509	38	29	25	51	-	1.140	1.250	1.556	1.856	2.220	2.450
	507	25	29	25	51	-	1.140	1.250	1.556	1.856	2.220	2.450
	508	38	29	25	38	-	1.140	1.250	1.556	1.856	2.220	2.450
	554	29	33	25	55	-	-	-	-	-	2.398	2.655
	555	42	33	25	42	-	-	-	-	-	2.398	2.655
3	222	25	11	7		-	-	-	-	-	0.910	1.000
	95	25	11	7		-	-	-	-	-	0.842	0.937
	501	31	34	30	46	-	-	-	-	-	2.215	2.450
	552	23	34	30	53	-	-	-	-	-	2.398	2.655
	576	41	34	30	41	-	-	-	-	-	2.537	2.808
	577	23	38	30	53	-	-	-	-	-	2.537	2.808
4	579	38	38	30	38	-	-	-	-	-	2.537	2.808
	252	27	15	8		-	-	-	-	-	1.040	1.159
	87	28	15	11		-	-	-	-	-	1.025	1.123
	551	37	34	30	52	-	-	-	-	-	2.398	2.655
	602	31	34	30	61	-	-	-	-	-	2.688	2.977
	601	46	34	30	46	-	-	-	-	-	2.688	2.977
5	604	29	38	30	59	-	-	-	-	-	2.688	2.977
	603	44	38	30	44	-	-	-	-	-	2.688	2.977
	252	27	15	8		-	-	-	-	-	1.040	1.150
	87	28	15	11		-	-	-	-	-	1.025	1.123
	571	40	34	30	55	-	-	-	-	-	-	2.808
	638	36	34	30	66	-	-	-	-	-	-	3.140
6	633	51	34	30	51	-	-	-	-	-	-	3.140
	635	33	38	30	63	-	-	-	-	-	-	3.140
	631	48	38	30	48	-	-	-	-	-	-	3.140
	252	27	15	8		-	-	-	-	-	-	1.150
	87	28	15	11		-	-	-	-	-	-	1.123
	606	46	34	30	61	-	-	-	-	-	-	2.977
7	702	44	34	30	74	-	-	-	-	-	-	3.390
	701	59	34	30	59	-	-	-	-	-	-	3.390
	704	42	38	30	72	-	-	-	-	-	-	3.390
	706	57	38	30	57	-	-	-	-	-	-	3.390
	252	27	15	8		-	-	-	-	-	-	1.150
	87	28	15	11		-	-	-	-	-	-	1.123
8	703	59	34	30	74	-	-	-	-	-	-	3.472
	762	55	34	30	85	-	-	-	-	-	-	3.777
	761	70	34	30	70	-	-	-	-	-	-	3.777
	764	53	38	30	83	-	-	-	-	-	-	3.777
	766	68	38	30	68	-	-	-	-	-	-	3.777
	252	27	15	8		-	-	-	-	-	-	1.150
9	87	28	15	11		-	-	-	-	-	-	1.123
	559	35	38	34	50	-	-	-	-	-	-	2.655
	604	29	34	30	59	-	-	-	-	-	-	2.977
	603	44	34	30	44	-	-	-	-	-	-	2.977
	635	33	34	30	63	-	-	-	-	-	-	3.100
	654	33	38	34	63	-	-	-	-	-	-	3.100
10	252	27	15	8		-	-	-	-	-	-	1.150
	87	28	15	11		-	-	-	-	-	-	1.123

Technical Standard

ISIRI 7336

ISIRI7338

DIN2395

ST37 - 2



## Window and Door Profiles

In addition to production of window and door profiles according to the current standard, this company produce window and door profiles in new dimensions for the export markets.

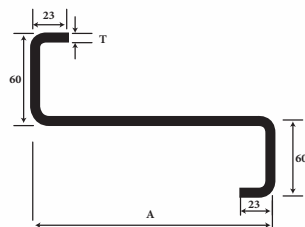


## Door Frame Profile

Profile No	Dimension (mm)								weight of per meter length kg	
	A	B	C	D	E	F	G	H	T=1.8mm	T=2mm
86_1	50	85	18	35	32	15			3.215	3.572
86_2	50	105	18	25	32	15			3.299	3.672
86_3	50	82	18	48	32	15			3.406	3.772
86_4	47	40	10	45	37	20			2.827	3.128
86_5	65	40	10	45	37	20			3.081	3.411
86_6	40	65	20	40	20	15			2.770	3.066
86_7	50	125	18	35	32	15			3.818	4.243
86_8	50	105	18	35	32	15			3.440	3.822
86_9	50	90	18	35	32	15			3.692	4.103
86_10	57.5	90	18	35	32	15			3.130	4.479
86_11	45	30	15	35	30	15	40		3.215	3.572
86_12	40	40	18	40	25	15			3.300	3.700
86_13	40	70	18	40	25	15			3.720	4.200
86_14	30	30	15	35	30	18.5	40		3.221	3.579
86_15	60	55	20	35	60	18	15	40	4.055	4.505
86_16	60	55	15	35	60	18	40	20	4.055	4.505
86_17	60	55	15	40	60	18	40	20	4.140	4.600

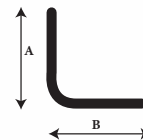
## Z Profile

Profile No	A(mm)		weight of per meter length kg
	A(mm)	t(mm)	
Z-160	160	2.0	4.852
Z-160	160	2.5	6.025
Z-160	160	3.0	7.208
Z-180	180	2.0	5.180
Z-180	180	2.5	6.454
Z-180	180	3.0	7.722
Z-200	200	2.0	5.475
Z-200	200	2.5	6.805
Z-200	200	3.0	8.143
Z-200	200	3.5	9.473
Z-220	220	2.0	5.788
Z-220	220	2.5	7.195
Z-220	220	3.0	8.612
Z-220	220	3.5	10.019



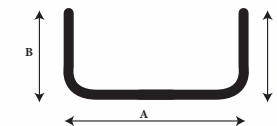
## Angle Profile

Dim. (mm)	weight of per meter length kg				
	AxB	3	4	5	6
30*30	1.25	1.67	2.03	2.28	
40*40	1.75	2.30	2.82	3.20	
50*50	2.20	2.95	3.65	4.38	
60*60	2.70	3.50	4.40	5.28	
70*70	3.15	4.13	5.08	6.00	
80*80	3.65	4.76	5.87	6.94	
90*90	4.09	5.39	6.65	7.89	

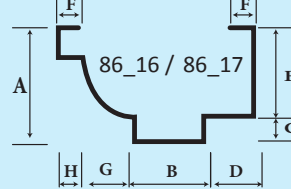
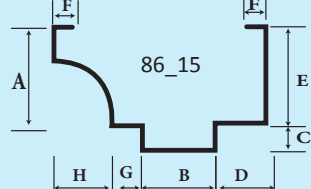
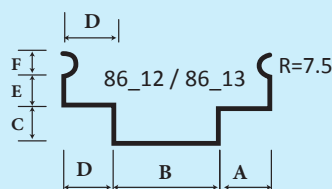
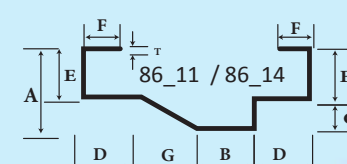
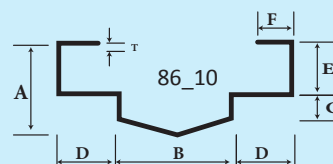
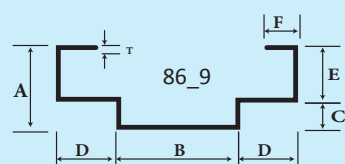
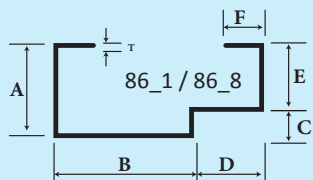


## U Profile

Dim. (mm)	weight of per meter length kg					
	AxB	2	3	4	5	6
80*10	1.46	2.16	2.71	3.26	3.76	
80*20	1.77	2.58	3.33	4.04	4.69	
80*30	2.08	3.05	3.96	4.82	5.63	
80*40	2.39	3.51	4.58	5.60	6.56	
80*50	2.71	3.98	5.21	6.38	7.50	
80*60	3.02	4.45	5.83	7.16	8.44	
80*70	3.33	4.92	6.45	7.94	9.37	
90*10	1.61	2.34	3.02	3.65	4.22	
90*20	1.93	2.81	3.65	4.43	5.16	
90*30	2.24	3.28	4.27	5.21	6.10	
90*40	2.55	3.75	4.89	5.99	7.03	
90*50	2.86	4.22	5.52	6.77	7.97	
90*60	3.17	4.68	6.14	7.55	8.90	
90*70	3.49	5.15	6.77	8.33	9.84	
100*10	1.77	2.58	3.33	4.04	4.69	
100*20	2.08	3.05	3.96	4.82	5.62	
100*30	2.39	3.51	4.58	5.60	6.56	
100*40	2.71	3.98	5.21	6.38	7.50	
100*50	3.02	4.45	5.83	7.16	8.44	
100*60	3.33	4.92	6.45	7.94	9.37	
100*70	3.64	5.39	7.08	8.72	10.31	



## Window and Door Profiles



Profile and  
Pipe Products

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### **Open sections**

Open sections include profiles with wide range of applications in construction industry. Hirbod Steel has distributed common forms of open sections including door frame, angle profile, U profile, Z profile with the best quality to the domestic and international markets.









# Profile & Rebar Machinery plant



[www.hirbodsteel.com](http://www.hirbodsteel.com)







### **Profile & Rebar Machinery plant**

Rebar machinery plant is equipped with CNC machinery, producing, packaging and assembly of the rack workshops with hydraulic robot in order to provide machinery services that make the rebar factories self-confident in terms of maintenance.

Furthermore, profile machinery plant with more than one hundred automatic milling and angle grinder machines, CNC, axes stone, magnet, plate milling stand, hub, various types of column drills, radials and band saws is among the most equipped and developed machinery plants in Iran.







### **Melting Factory**

Hirbod Steel melting factory is located at Zarandieh Omid Arian Industry complex. The production line consists of 4 induction furnaces as well as a Continuous Casting Machine (CCM) that has produced various types of steel billets (alloyed and non-alloyed) from 100×100 to 150 × 150 mm in demanded lengths with capacity of 300,000 tons per year.

Omid Arian Melting Factory is equipped with best production technology and laboratory equipment in melting industry in order to achieve the best quality products.

# Melting Factory

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# Melting Factory

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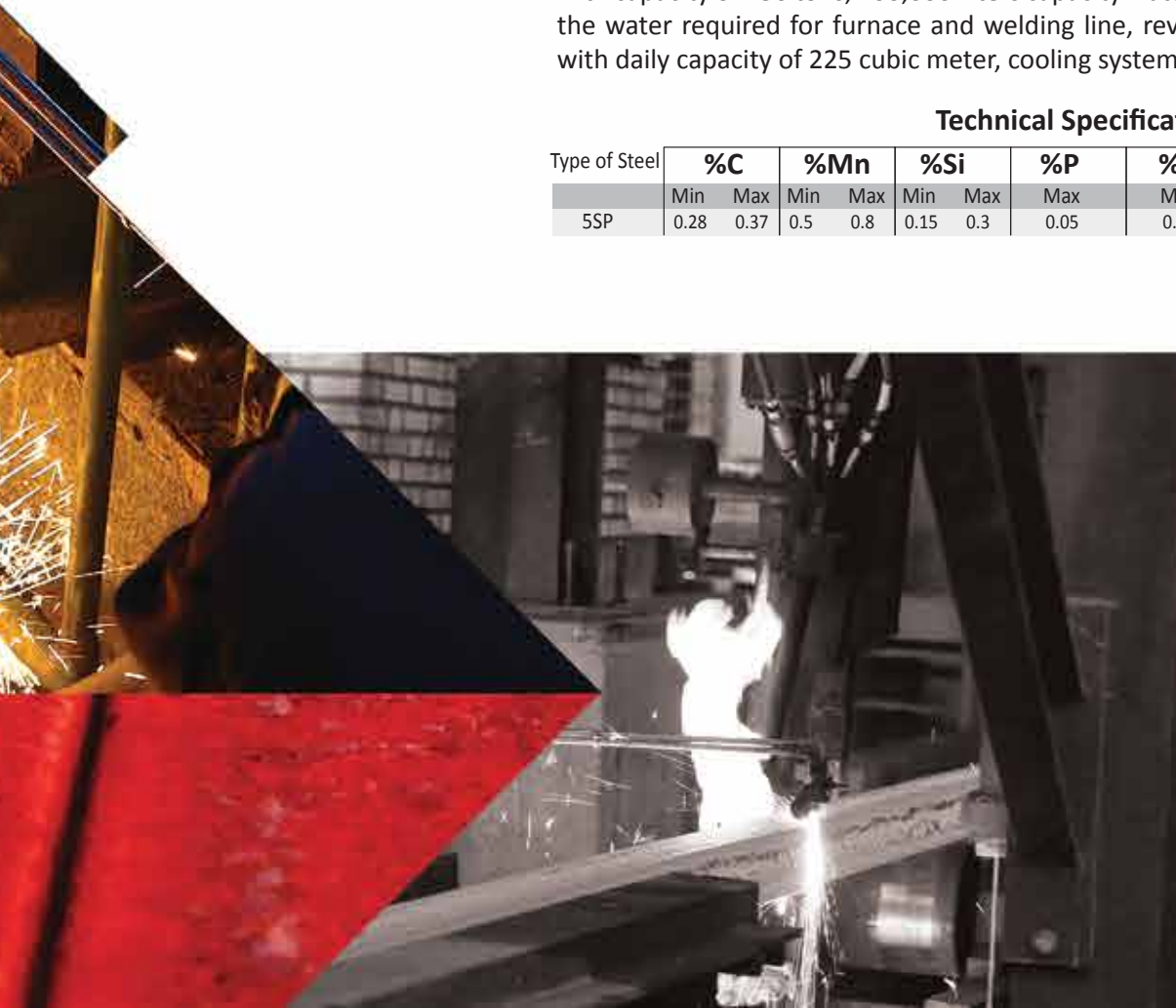


### Melting Factory

Each furnace is equipped with a hydraulic system, the rotating mechanism to discharge molten and slag, water cooled high voltage cables, Oil-Filled high voltage capacitors, furnace hanger arms and furnace holder platforms and chassis. Also the factory is equipped with different support units that some of which consist of four cooling towers with capacity of 150 tons, 100,000 Liters capacity water tank of 28m height for supplying the water required for furnace and welding line, reverse osmosis system (RO System) with daily capacity of 225 cubic meter, cooling system and inside coil water pump.

#### Technical Specifications

Type of Steel	%C		%Mn		%Si		%P	%S	%Cr	%Ni	%Cu
	Min	Max	Min	Max	Min	Max	Max	Max	Max	Max	Max
5SP	0.28	0.37	0.5	0.8	0.15	0.3	0.05	0.05	0.03	0.03	0.03



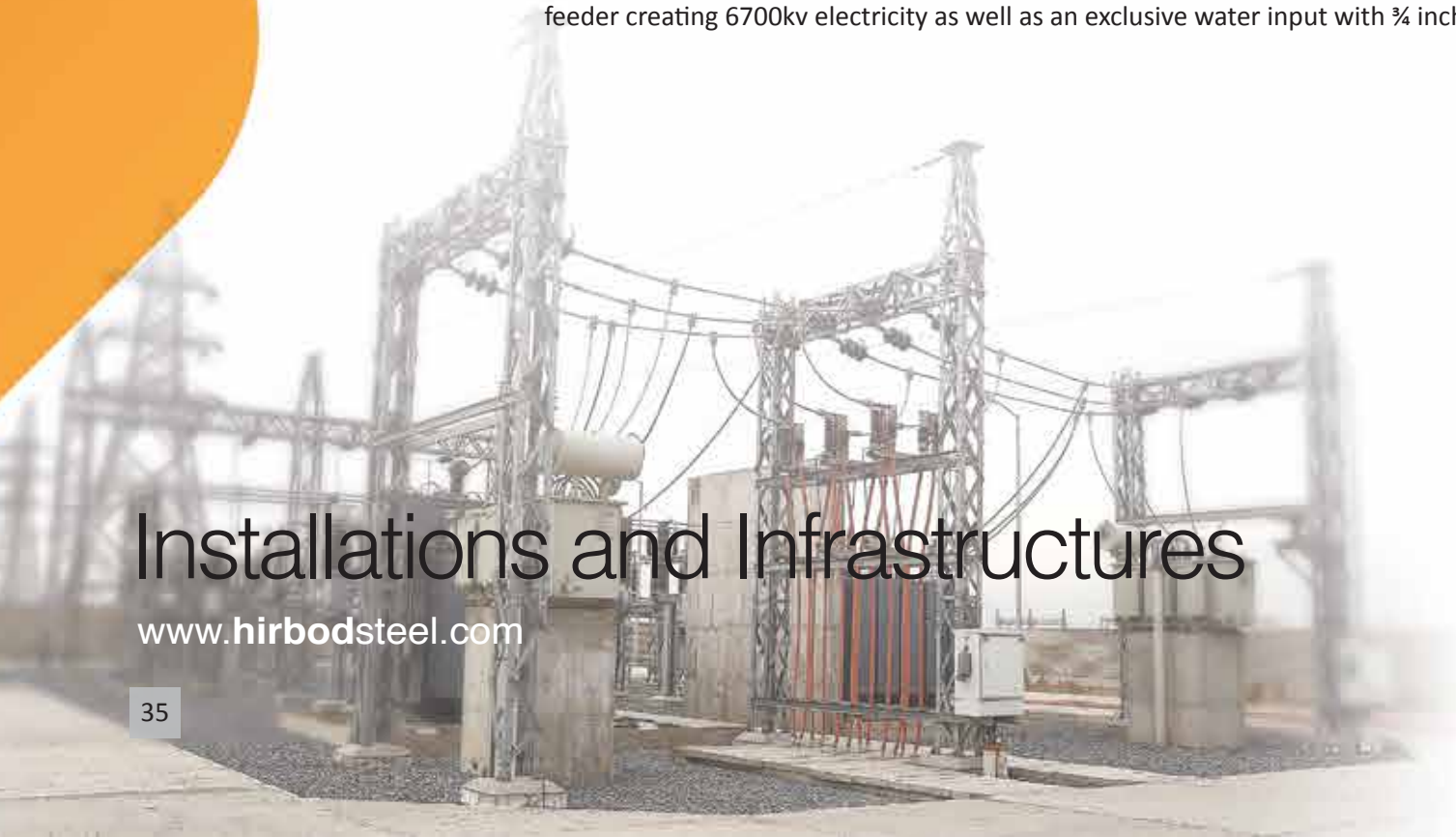


### **Installations and Infrastructures**

Hirbod Steel is unique due to its energy infrastructures and installations. Zarandieh Hirbod Steel complex has an exclusive 63kv high voltage electricity substation, two gas substations with capacity of 25000 cubic meters per hour and water storage pools. Zarandieh Omid Arian Melting Industry Complex is equipped with an exclusive 20kv feeder creating 6700kv electricity as well as an exclusive water input with  $\frac{3}{4}$  inch.


# Installations and Infrastructures

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### **Quality Control Management**

The emphasis on quality of products in accordance with national and international standards is the most important advantage of Hirbod Steel products. Whole processes would be checked by quality control management system from the beginning up to the end of production. Hirbod Steel has provided one of the best-equipped quality control laboratories consisting of devices such as tensile test machine, micro hardness accelerometer, polish, optical microscope, bending and re-bending test system, thermometer, densitometer, pH meter, sclerometer, hydraulic press, heat-treatment furnaces, spectrometer and other measurement tools consisting of coulisse, protractor, inclinometer, filter, etc. to guarantee quality of products.

### **Hirbod Quality Viewpoint**

Hirbod Steel bound itself to implement quality management system based on up to date standards as one of the most complete steel complexes in Iran. Therefore, this company has been founded all activities based on lean production. Accordingly, Hirbod Steel considers all personnel as an active member of quality management department. It undertakes to supervise quality of products in all processes and stages. We summarize them as below:

- Enhance customers' satisfaction by producing high quality products and on time delivery.
- Use standard and high quality raw materials for production.
- Give priority to quality if any disputes risen in working procedures.
- Recruit qualified, efficient and professional personnel as the main asset of the company.
- Enjoy personnel involvement in continuous improvement and promote self-control and self-evaluation culture.
- Promote customer orientation and intimacy culture in the company.



# Quality Control Management

[www.hirbodsteel.com](http://www.hirbodsteel.com)









Transportation  
[www.hirbodsteel.com](http://www.hirbodsteel.com)

### **Transportation**

Hirbod Steel tries to produce high quality and competitive products at international level and achieve long term and permanent customer satisfaction at any time and working conditions. Regarding importance of delivery time, this company can guarantee delivery of cargo at predetermined time. Continuous presence in international markets allows us to provide competitive prices with the minimum shipping time and best services. Hirbod Steel will insure the whole cargo against all associated risks from origin up to buyer's warehouse.



# Working Safety & Health

[www.hirbodsteel.com](http://www.hirbodsteel.com)





فولاد هیربد  
Hirbod Steel

### **Working Safety & Health**

Hirbod steel considers physical and mental health of its personnel as the most important priorities and basic business policy and accordingly takes attention all necessary measures to prevent any loose and damage to them.

### **Environment**

Hirbod Steel protects environmental resources. This company preserves health of employees and environment focusing on safe environment without any pollution. Water consumption optimization, green space development, monitoring and control emissions and also training the personnel in environmental knowledge are among basic policies of Hirbod Steel. Also all steel scrap remained from the production processes are collected to reuse in rebar production at melting factory, respecting to environmental rules.