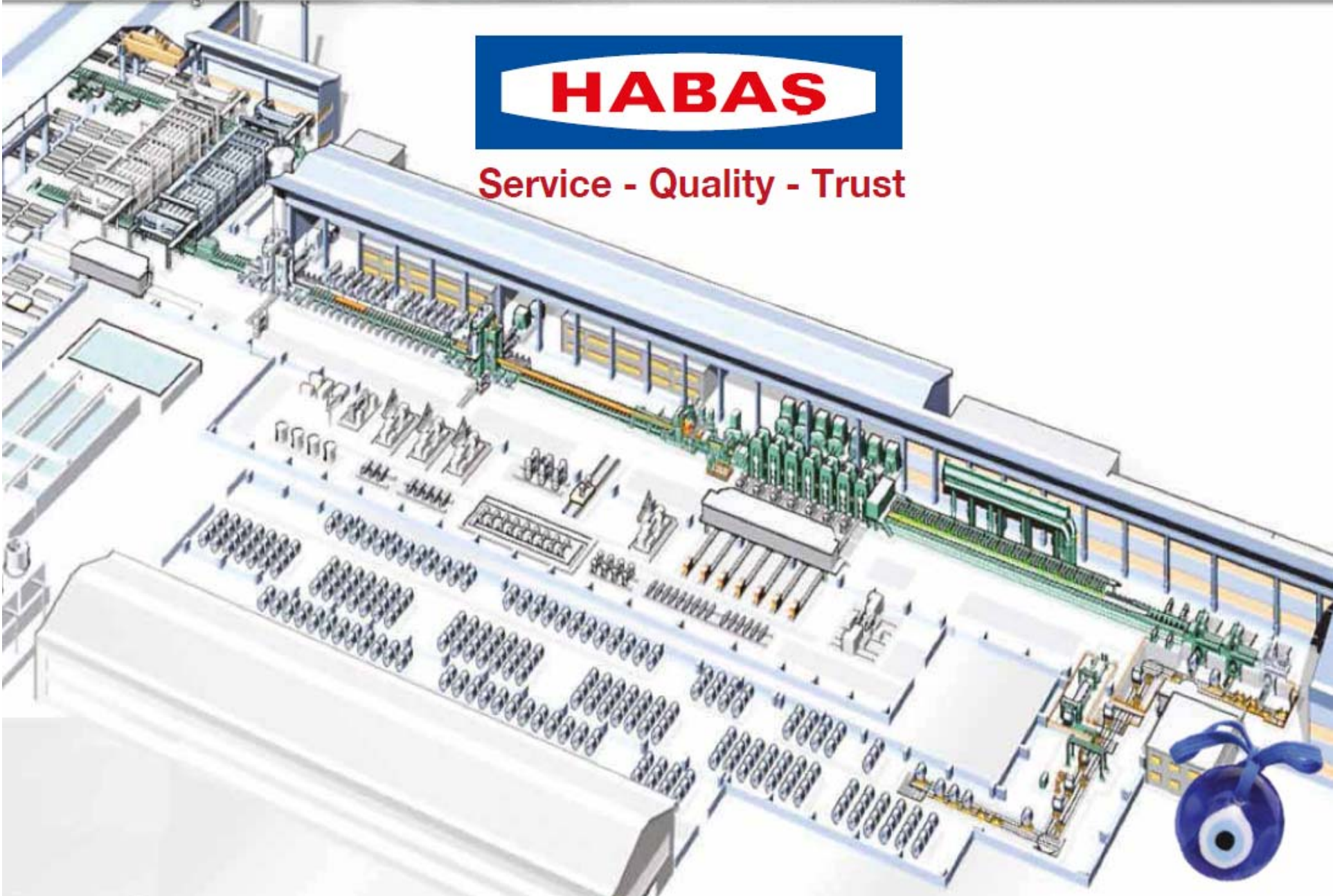


HABAŞ HOT ROLLED COIL PRODUCT CATALOUGE

A detailed 3D architectural rendering of a large industrial steel mill. The facility features a long, multi-story main building with a series of large, open bays. In the foreground, there are extensive storage areas filled with numerous large, cylindrical coils of hot-rolled steel, arranged in neat rows. Various conveyor systems, cranes, and other industrial machinery are visible throughout the complex. The overall scene is presented in a clean, illustrative style with a light blue and grey color palette for the buildings and ground.

HABAŞ

Service - Quality - Trust



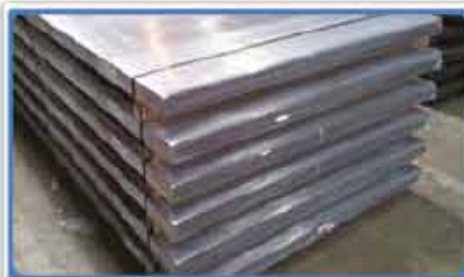
Dear Customers,

We are so thrilled to deliver our steel, produced at our mill in Aliaga-İzmir, under the brand name of HABAŞ to all around the World. We have built a new Hot Strip Mill (SMS Siemag) with the latest technology with a capacity of 2.500.000 mtons / annual. We will be producing our Hot Rolled Coil Products with the highest quality with our motto "Service-Quality-Trust" and will be delivering to yourselves.

HABAŞ will continue to apply the same quality oriented service and highest customer satisfaction for Hot Rolled Products as applied to all other products since the establishment on 1956. We have the pride to supply all the international grades such as EN, DIN, ASTM, JIS, ISO to all our customers at home and abroad.

With my kindest regards,
Mehmet Rüştü Başaran



**STEEL SCRAP FROM HABAS PORT****MELTING OF STEEL SCRAP IN EAF****LADLE FURNACE****SLAB CASTING****ROLLING SLAB AT HSM****HOT ROLLED COILS****SLITTED COILS****CUT TO LENGTH PLATES FROM HRC****PICKLING AND OILING COILS**

- Our privately owned pier as the first pier lies on the south mouth of NEMRUT bay, 7 km away from our plant
- Main raw material of our production process is iron and steel scraps.





- We achieve the aimed liquid steel quality by adding some alloyed materials into the ladle furnace after the scrap is melted in the EAF.
- Liquid steel ladle is transferred to slab casting machine.

PROCESS FLOW - HABAŞ SLAB CASTING

HABAS

Semi-product slab is produced by using continues casting method.





- Thickness: 200 - 225 mm
- Width: 700 - 2,100 mm
- Length : 4 - 16m (max 40 ton)
- Quality : IF, DD11, S235, St 37-2, S275
- S355, S355V, J55
- API X42-X80;
- DUAL PHASE Dp600
- SAE J403 1006 - 1025;
- JIS G 3106, SS400 & SM490 etc...



- 1(2) 450 mton/walking beam furnace
- High-pressure water descaler
- 1 (2) High reversing roughing stand with attached edger stand
- 1 Coil box (without mandrel)
- 1 Crop shear
- 7 Stand finishing mill
- Laminar strip cooling
- 2 (3) Down-coiler
- Strip conveyor system



Plant layout





- Thickness : 1.2 – 25.4 mm
- Width : 700 – 2,100 mm
- Coil weight : 10 – 40 mt
- Coil inner diameter : 760 mm
- Coil outer diameter max: 2,150 mm
- Spec. Coil weight: 22 kg/mm
- Telescopicity..... 60 mm
- Capacity:..... 2,500,000 ton/year

Steel grades

- Ultra-low carbon steels (IF)
- Low-carbon structure steels
- Medium carbon structure steels
- Unalloyed steels suitable to cold rolling
- High pressure tank steels
- Ship built structure steels
- Pipe, profil manufacturing steels
- Micro alloyed HSLA steels
- Machine manufacturing steels
- Multi phase steels

- Cutting type:

Acc. to customer's request, rectangular

- Thickness: 1,2 - 25,4 mm

- Length: 1,000 - 20,000 mm

- Width: 700 - 2,100 mm

- Edge trimming: 1,2 - 16 mm

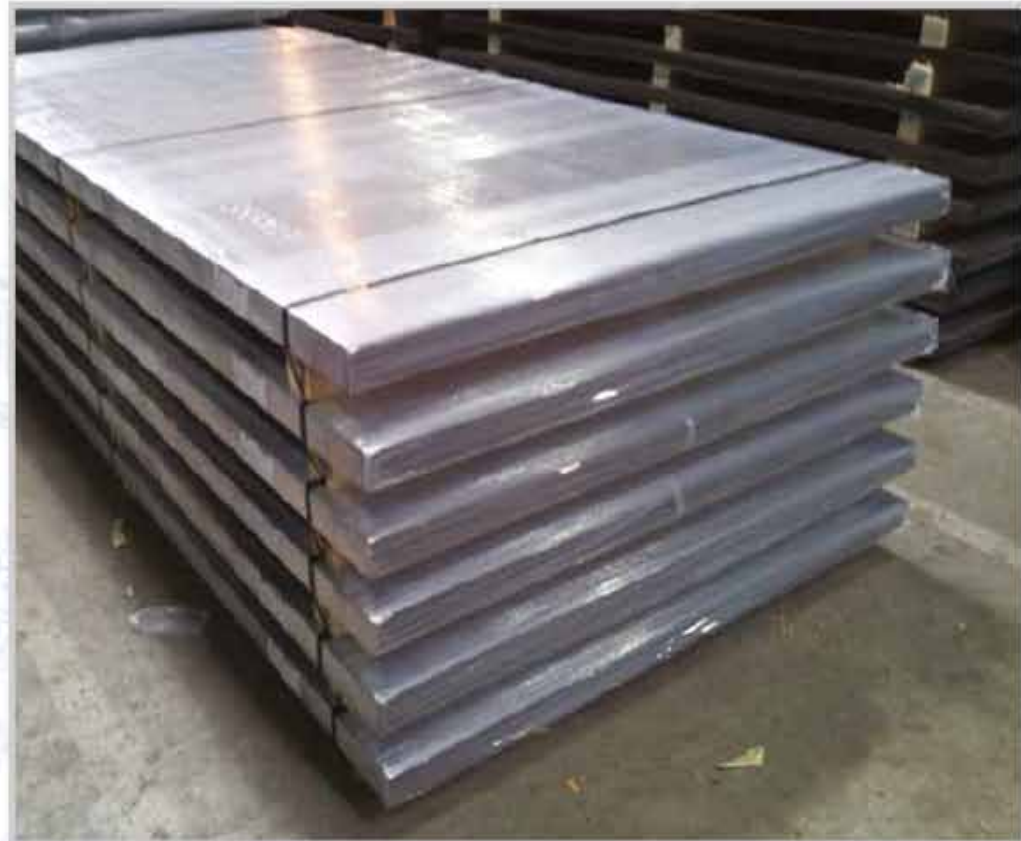
- Package weight: 15 ton max

- Package type:

Export Packing

- AUTOMATIC CROSS BANDING MACHINE FOR BUNDLES. TIMBER'S APPLICATOR

- Package height: 500 mm max



- Thickness: 1,2 - 12,7 mm
- Slitting Width: 70-2,100 mm
- Coil inner dia: 610 mm
- Coil outer dia: 1,000-2,200 mm



HOT ROLLED PICKLING (HRP)

HABAS

- Thickness: 1,2 - 16 mm
- Coil Width: 700-2,100 mm
- Cut edge: 1,2-12 mm
- Coil inner dia: 610 mm
- Coil Weight: 10-40 mt



Ship built**LPG tank manufacturing****Bridges****Automotive/machine****Pipelines****Construction/Cranes**

USAGE AREA	STANDARD	QUALITY/GRADE
SOFT STEELS SUITABLE TO COLD ROLLING	SAE J403-95 DIN 1614-P1-86	HB3006,HB 3008 HB 5111 HB 6111 HB 6222 HB6223 HB6224
STEELS SUITABLE FOR COLD ROLLING AND DEEP DRAWING	DIN EN 10111-98	HB 6111 HB 6222 HB6223 HB6224 HB6624
LOW & MEDIUM STRENGTH CARBON STEELS (AUTOMOTIVE SECTOR, PIPE, PROFIL, VARIOUS MACHINERY EQUIPMENTS MANUFACTURING)	SAE J403-95 DIN EN 10025-94	HB 3006,HB3008 HB3012,HB3012,HB 3015 HB 5185
STEELS FOR SUITABLE TO PIPE & PROFIL MANUFACTURING	ASTM A 53-99B	HB 5009
HIGH STRENGTH STEELS SUITABLE TO COLD ROLLING	DIN EN 10149-P2-95	HB4932,HB4936,HB4920, HB4960

USAGE AREAS	STANDARD	QUALITY/GRADES
LPG TANK MANUFACTURING	DIN EN 10120-97	HB6837,HB6842, HB6847,HB6852
TANK STEELS SUITABLE TO BE USED UNDER HIGH PRESSURE AND TEMPERATURE	DIN EN 10028-P2-93	HB6335, HB6341, HB6347, HB6352
CONSTRUCTION MACHINE MANUFACTURING, HEAVY INDUSTRY MACHINE MANUFACTURING, GENERAL CONSTRUCTION PLATES, VARIOUS MACHINE EQUIPMENT MANUFACTURING, GENERAL CONSTRUCTIONAL STEELS FOR HEAVY INDUSTRY AND RAILWAY VEHICLE MANUFACTURING	DIN EN 10025-94 ASTM A283-98 SAE J403-95 JIS G 3101-95	HB 6235, HB6275 HB5020, HB5030, HB5040, HB5045, HB 6741
RIM STEELS	DIN EN 10111-98, DIN EN 10025-94, DIN EN 10149-P2-95	HB6111, HB6222, HB3937,HB3944, HB3955 HB4936, HB4942
STEELS FOR MANUFACTURING AUTOMOTIVE SPARE PARTS & CHASSIS	JIS G 3113-90 ASTM A 36-97A DIN EN 10113-P2-93	HB6275 HB3741 HB9355

HOT ROLLED COILS USAGE AREAS

HABAS

USAGE AREAS	STANDARD	QUALITY/GRADES
STRUCTURE STEEL SUITABLE FOR FOLDING	DIN EN 10025-94 JIS G 3106-99	HB6037,HB6044 HB6050,HB6052
MEDIUM STRENGTH STEELS SUITABLE FOR PRESSURISED USAGE	ASTM A 285-96	HB6838, HB6850
MEDIUM STRENGTH STEELS SUITABLE FOR SHIP-BUILT	ABS-P2-00	HB3701,HB3702 HB6704,HB6705
VARIOUS MACHINERY EQUIPMENTS AND HIGH STRENGTH STRUCTURE STEELS FOR GENERAL CONSTRUCTION	DIN EN 10025-94, ASTM A 656-98	HB3355, HB3250,HB3260 HB5270
STEELS, WITH VARIOUS STRENGTH RATES, RESISTANT TO ATMOSPHERE AND GAS CORROSION	DIN EN 10025-94 DIN EN 10111-98	HB3281 (Cu) HB6284 (Cu) HB6282 (Cu)

USAGE AREAS	STANDARD	QUALITY/GRADES
PETROLEUM DRILLING PIPE STEELS	API 5CT-99	HB9256
BORON ADDED / SUITABLE TO THERMEX PROCESS STEELS FOR AGRICULTURE EQUIPMENTS AND SPECIAL USAGES	DIN EN 10083-P3-96	HB5620, HB5630
PETROLEUM PIPE STEELS	API 5L-00	HB9035, HB9042, HB9046, HB9052, HB9056, HB9060, HB9065, HB9070, HB9080
DUAL PHASE STEELS	DP 600	HB3660

Thickness & Width Tolerances

THICKNESS TOLERANCES FOR DIN EN 10111:2008 DD11

THICKNESS - T (mm)	WIDTH - W (mm)			
	W ≤ 1200	1200 < W ≤ 1500	1500 < W ≤ 1800	W > 1800
T ≤ 2,00	± 0,13	± 0,14	± 0,16	-
2,00 < T ≤ 2,50	± 0,14	± 0,16	± 0,17	± 0,19
2,50 < T ≤ 3,00	± 0,15	± 0,17	± 0,18	± 0,20
3,00 < T ≤ 4,00	± 0,17	± 0,18	± 0,20	± 0,20
4,00 < T ≤ 5,00	± 0,18	± 0,20	± 0,21	± 0,22
5,00 < T ≤ 6,00	± 0,20	± 0,21	± 0,22	± 0,23
6,00 < T ≤ 8,00	± 0,22	± 0,23	± 0,23	± 0,26
8,00 < T ≤ 11,00	± 0,24	± 0,25	± 0,25	± 0,28

THICKNESS TOLERANCES FOR DIN EN 10025-2:2004 S235 VE S275

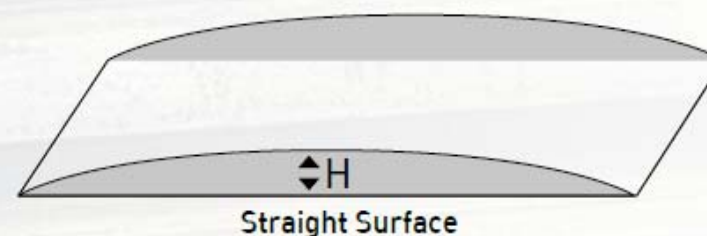
THICKNESS - T (mm)	WIDTH - W (mm)			
	W ≤ 1200	1200 < W ≤ 1500	1500 < W ≤ 1800	W > 1800
T ≤ 2,00	± 0,17	± 0,19	± 0,21	-
2,00 < T ≤ 2,50	± 0,18	± 0,21	± 0,23	± 0,25
2,50 < T ≤ 3,00	± 0,20	± 0,22	± 0,24	± 0,26
3,00 < T ≤ 4,00	± 0,22	± 0,24	± 0,26	± 0,27
4,00 < T ≤ 5,00	± 0,24	± 0,26	± 0,28	± 0,29
5,00 < T ≤ 6,00	± 0,26	± 0,28	± 0,29	± 0,31
6,00 < T ≤ 8,00	± 0,29	± 0,30	± 0,31	± 0,35
8,00 < T ≤ 10,00	± 0,32	± 0,33	± 0,34	± 0,40
10,00 < T ≤ 12,50	± 0,35	± 0,36	± 0,37	± 0,43
12,50 < T ≤ 15,00	± 0,37	± 0,38	± 0,40	± 0,46
15,00 < T ≤ 25,00	± 0,40	± 0,42	± 0,45	± 0,50

THICKNESS TOLERANCES FOR DIN EN 10025-2:2004 S355

THICKNESS - T (mm)	WIDTH - W (mm)			
	W ≤ 1200	1200 < W ≤ 1500	1500 < W ≤ 1800	W > 1800
T ≤ 2,00	± 0,22	± 0,25	± 0,27	-
2,00 < T ≤ 2,50	± 0,23	± 0,27	± 0,30	± 0,33
2,50 < T ≤ 3,00	± 0,26	± 0,29	± 0,31	± 0,34
3,00 < T ≤ 4,00	± 0,29	± 0,31	± 0,34	± 0,35
4,00 < T ≤ 5,00	± 0,31	± 0,34	± 0,36	± 0,38
5,00 < T ≤ 6,00	± 0,34	± 0,36	± 0,38	± 0,40
6,00 < T ≤ 8,00	± 0,38	± 0,39	± 0,40	± 0,46
8,00 < T ≤ 10,00	± 0,42	± 0,43	± 0,44	± 0,52
10,00 < T ≤ 12,50	± 0,46	± 0,47	± 0,48	± 0,56
12,50 < T ≤ 15,00	± 0,48	± 0,49	± 0,52	± 0,60
15,00 < T ≤ 25,00	± 0,52	± 0,55	± 0,59	± 0,65

“Tolerances on flatness for steels with a specified minimum yield strength $Re \leq 300 \text{ N/mm}^2$ ”

		WIDTH - W (mm)		
		H (mm)		
THICKNESS - T (mm)		W ≤ 1200	1200 < W ≤ 1500	1500 < W
T ≤ 2,00	Standard	18	20	25
2,00 < T ≤ 25	Standard	15	18	23
T ≤ 2,00	Special	9	10	13
2,00 < T ≤ 25	Special	8	9	12



HABAŞ FLAT STEEL QUALITY GRADE

HABAS

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
1		HABAŞ SPECIAL	HB 5111 t<11mm	Low Carbon Drawing Quality Steel For Cold Forming
2	DIN 1614 -1	St 22	6022 HB	Low Carbon Drawing Quality Steel For Cold Rolling
			t<11mm	
			Batch Annealing	
			Suitable for Galvanizing"Class 1"	
3	DIN 1614 -1	St 22	6122 HB	
			t<11mm	
			Continuous Annealing	
			Suitable for Galvanizing"Class 1"	
4	DIN EN 10111	DD11	6111 HB	Low Carbon Drawing Quality Steel For Cold Forming
			t<11mm	
			Suitable for Galvanizing"Class 1"	
5	DIN EN 10111	DD12	6112 HB	
			t<11mm	
			Suitable for Galvanizing"Class 1"	
6	DIN EN 10111	DD13	6113 HB	
			t<11mm	
			Suitable for Galvanizing"Class 1"	
7	DIN EN 10111	DD14	6114 HB	
			t<11mm	
			Suitable for Galvanizing"Class 1"	
8	DIN EN 10025-2	S235JR	5234 HB	Non Alloyed Carbon steel of Structural Quality for General Applications
			5235 HB	
			5236 HB	
			4234 HB	
			4235 HB	
			4236 HB	
			Suitable for Galvanizing"Class 1"	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
9	DIN EN 10025-2	S235J0	5037 HB	Non Alloyed Carbon steel of Structural Quality for General Applications
			5038 HB	
			5039 HB	
			4037 HB	
			4038 HB	
			4039 HB	
			Suitable for Galvanizing"Class 1"	
10	DIN EN 10025-2	S235J2	5237 HB	
			5238 HB	
			5239 HB	
			4237 HB	
			4238 HB	
			4239 HB	
			Suitable for Galvanizing"Class 1"	
11	DIN EN 10025-2	S275JR	5274 HB	
			5275 HB	
			5276 HB	
			4274 HB	
			4275 HB	
			4276 HB	
			Suitable for Galvanizing"Class 1"	
12	DIN EN 10025-2	S275J0	5044 HB	
			5045 HB	
			5046 HB	
			4044 HB	
			4045 HB	
			4046 HB	
			Suitable for Galvanizing"Class 1"	

HABAŞ FLAT STEEL QUALITY GRADE

HABAS

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
13	DIN EN 10025-2	S275J2	5244 HB	Non Alloyed Carbon steel of Structural Quality for General Applications
			5245 HB	
			5246 HB	
			4244 HB	
			4245 HB	
			4246 HB	
			Suitable for Galvanizing"Class 1"	
14	DIN EN 10025-2	S355JR	HB 6355	
			HB 6356	
			Suitable for Galvanizing"Class 3"	
			4355 HB	
			4356 HB	
15	DIN EN 10025-2	S355JO	Suitable for Galvanizing"Class 1"	
			HB 5052	
			HB 5053	
			Suitable for Galvanizing"Class 3"	
			4052 HB	
16	DIN EN 10025-2	S355J2	4053 HB	
			Suitable for Galvanizing"Class 1"	
			HB 5252	
			HB 5253	
			Suitable for Galvanizing"Class 3"	
17	DIN EN 10025-2	S355K2	4252 HB	
			4253 HB	
			Suitable for Galvanizing"Class 1"	
			HB 5452	
			HB 5453	
			Suitable for Galvanizing"Class 3"	
			4452 HB	
			4453 HB	
			Suitable for Galvanizing"Class 1"	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
18	DIN EN 10025-2	S235JRC	3924 HB	Hot Rolled Structural Steel For Cold Bending and Flanging
			3925 HB	
			3926 HB	
			4924 HB	
			4925 HB	
			4926 HB	
			Suitable for Galvanizing"Class 1"	
19	DIN EN 10025-2	S275JRC	3927 HB	
			3928 HB	
			3929 HB	
			4927 HB	
			4928 HB	
			4929 HB	
			Suitable for Galvanizing"Class 1"	
20	DIN EN 10025-2	S355JRC	HB3952	
			HB3953	
			Suitable for Galvanizing"Class 3"	
			4952 HB	
			4953 HB	
			Suitable for Galvanizing"Class 1"	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
21	DIN EN 10025-2	S235JRC +N	3924 HB	Hot Rolled Structural Steel For Cold Bending and Flanging
			3925 HB	
			3926 HB	
			4924 HB	
			4925 HB	
			4926 HB	
			Suitable for Galvanizing"Class 1"	
22	DIN EN 10025-2	S275JRC +N	3927 HB	
			3928 HB	
			3929 HB	
			4927 HB	
			4928 HB	
			4929 HB	
			Suitable for Galvanizing"Class 1"	
23	DIN EN 10025-2	S355JRC+ N	H83952	
			H83953	
			Suitable for Galvanizing"Class 3"	
			4952 HB	
			4953 HB	
			Suitable for Galvanizing"Class 1"	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
24	DIN EN 10025-2	S235J2C +N	5137 HB	Hot Rolled Structural Steel For Cold Bending and Flanging
			5138 HB	
			5139 HB	
			4137 HB	
			4138 HB	
			4139 HB	
			Suitable for Galvanizing"Class 1"	
25	DIN EN 10025-2	S275J2C +N	5144 HB	
			5145 HB	
			5146 HB	
			4144 HB	
			4145 HB	
			4146 HB	
			Suitable for Galvanizing"Class 1"	
26	DIN EN 10025-2	S355J2C+ N	HB5152	
			HB5153	
			Suitable for Galvanizing"Class 3"	
			4152 HB	
			4153 HB	
			Suitable for Galvanizing"Class 1"	

HABAŞ FLAT STEEL QUALITY GRADE

HABAS

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
27	DIN EN 10025-4	S275M	3227 HB	Termo Mechanically Rolled Fine Grain Weldable Medium and High Strength Steel Grades
			3228 HB	
			3229 HB	
			Suitable for Galvanizing"Class 3"	
			6227 HB	
			6228 HB	
			6229 HB	
			Suitable for Galvanizing"Class 1"	
28	DIN EN 10025-4	S 355M	HB 3235	
			HB 3236	
			Suitable for Galvanizing"Class 3"	
			6235 HB	
			6236 HB	
			Suitable for Galvanizing"Class 1"	
29	DIN EN 10025-4	S 420M	HB 3241	
			HB 3242	
			Suitable for Galvanizing"Class 3"	
			6241 HB	
			6242 HB	
			Suitable for Galvanizing"Class 1"	
30	DIN EN 10025-4	S 460M	HB 3245	
			HB 3246	
			Suitable for Galvanizing"Class 3"	
			6245 HB	
			6246 HB	
			Suitable for Galvanizing"Class 1"	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
31	DIN EN 10025-4	S275ML	3527 HB	Termo Mechanically Rolled Fine Grain Weldable Medium and High Strength Steel Grades
			3528 HB	
			3529 HB	
			Suitable for Galvanizing"Class 3"	
			6527 HB	
			6528 HB	
			6529 HB	
			Suitable for Galvanizing"Class 1"	
32	DIN EN 10025-4	S 355ML	HB 3535	
			HB 3536	
			Suitable for Galvanizing"Class 3"	
			6535 HB	
			6536 HB	
			Suitable for Galvanizing"Class 1"	
33	DIN EN 10025-4	S 420ML	HB 3541	
			HB 3542	
			Suitable for Galvanizing"Class 3"	
			6541 HB	
			6542 HB	
			Suitable for Galvanizing"Class 1"	
34	DIN EN 10025-4	S 460ML	HB 3545	
			HB 3546	
			Suitable for Galvanizing"Class 3"	
			6545 HB	
			6546 HB	
			Suitable for Galvanizing"Class 1"	

HABAŞ FLAT STEEL QUALITY GRADE

HABAS

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
35	ASTM A 1011	CS Grade B	HB3321	Hot Rolled Structural Steel For Cold Bending and Flanging
36	ASTM A 1011	SS Grade 33	HB3333 t<=6 mm	
37	ASTM A 1011	Grade 36 Type 1	HB3336 t<=6 mm	
38	ASTM A 1011	Grade 36 Type 2	HB3337	
39	ASTM A 1011	SS Grade 50	HB3350	
40	ASTM A 1011	SS Grade 55	HB3355	
41	ASTM A 1018	SS Grade 30	HB3430	
42	ASTM A 1018	SS Grade 33	HB 3433 HB 3434	
43	ASTM A 1018	SS Grade 36 Type 1	HB 3435 HB 3436	
44	ASTM A 1018	SS Grade 36 Type 2	HB 3437 HB3438	Structural Steel for Bending and Flanging
45	ASTM A 1018	ASTM A 1018 SS Grade 40	HB 3440 HB 3441	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
46	ASTM A 36	A 36	HB 6036	Hot Rolled Unalloyed Structural Steel
			6037 HB	
			6038 HB	
47	SAE J 403 C	1006	1006 HB	Carbon Structural Steel With Specified Chemical Composition
48	SAE J 403 C	1008	1008 HB	
49	SAE J 403 C	1010	1010 HB	
50	SAE J 403 C	1012	1012 HB	
51	SAE J 403 C	1022	HB1022	
52	API 5L	A PSL1 L 210/A	HB 9030	Steel Grades for Petroleum and Natural Gas Transportaion
			HB9031	
53	API 5L	A PSL2 L 245/BN	HB9035	
			HB 9036	
54	API 5L	A PSL2 L 290N/X42	HB9042	
			HB 9043	
55	API 5L	A PSL2 L320N/X46	HB9046	
			HB 9047	
56	API 5L	A PSL2 L360N/X52 M	HB9052	
			HB 9053	
57	API 5L	A PSL2 L390N/X56 M	HB9056	
			HB 9057	
58	API 5L	A PSL2 L415N/X60 M	HB9060	
			HB 9061	
59	API 5L	A PSL2 L450N/X65 M	HB9065	
			HB 9066	
60	API 5L	A PSL2 L485N/X70 M	HB9070	
			HB 9071	

HABAŞ FLAT STEEL QUALITY GRADE

HABAS

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
61	ASTM A 53	Grade A	HB 4008	Piping Steel For Ordinary Uses
			HB 4009	
62	ASTM A 53	Grade B	HB 4018	
			HB 4019	
63	ASTM A 572	Grade 50 Type 2	HB 9550	Hot Rolled Weldable Fine Grain Structural Steel
			HB 9551	
64	ASTM A 572	Grade 55 Type 2	HB 9555	
			HB 9556	
65	ASTM A 1011	HSLAS Gr 50 Type1	HB 9350	Soğuk şekillendirmeye uygun Orta ve Yüksek Dayanımlı Düşük alaşımlı Şasi ve vinci imalatında kullanılabilen çelikler
			t≤6 mm	
66	ASTM A 1011	HSLAS Gr 50 Type2	HB 9351	
			t≤6 mm	
67	ASTM A 1011	HSLAS Gr 55 Type1	HB 9355	
			t≤6 mm	
68	ASTM A 1011	HSLAS Gr 55 Type2	HB 9356	
			t≤6 mm	
69	ASTM A 1018	HSLAS Gr 50 Type1	HB 9450	
			HB 9451	
70	ASTM A 1018	HSLAS Gr 50 Type2	HB 9452	
			HB 9453	
71	ASTM A 1018	HSLAS Gr 55 Type1	HB 9455	
			HB 9456	
72	ASTM A 1018	HSLAS Gr 55 Type2	HB 9457	
			HB 9458	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
73	ABS Part 2	Gr A	HB 1720	Ordinary - Strength Hull Structural Steel For Shipbuilding
74	ABS Part 2	Gr B	HB 1700	
75	ABS Part 2	Gr D	HB 1702	
76	ABS Part 2	Gr E	1704 HB	
77	ABS Part 2	Gr AH 32	HB 0732	Low Alloy High Strength Hull Structural Steel For Shipbuilding
78	ABS Part 2	Gr DH 32	HB 2732	
79	ABS Part 2	Gr EH 32	HB 4732	
80	ABS Part 2	Gr FH 32	HB 6732	
81	ABS Part 2	Gr AH 36	HB 0736	
82	ABS Part 2	Gr DH 36	HB 2736	
83	ABS Part 2	Gr EH 36	HB 4736	
84	ABS Part 2	Gr FH 36	HB 6736	
85	AS/NZS 1594	HA 250	HB 5250	Non Alloyed Structural steels
			HB 5251	
			4250 HB	
			4251 HB	
86	ASTM A 283	Gr C	Suitable for Galvanizing"Class 1"	Medium Tensile Strength Carbon Steel Of Structural Quality
			HB 2021	
			HB 2022	
			4021 HB	
			Suitable for Galvanizing"Class 1"	

HABAŞ FLAT STEEL QUALITY GRADE

HABAS

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
87	EN 10149-2	S 315MC	5931 HB	Thermomechanically Rolled, High Strength Low Alloy, Suitable for Bending and Flanging used for automotive Manufacturing Industry
			5932 HB	
			5933 HB	
			Suitable for Galvanizing"Class 3"	
			4931 HB	
			4932 HB	
			4933 HB	
			Suitable for Galvanizing"Class 1"	
88	EN 10149-2	EN 10149-2 S 355MC	HB 5935	
			HB 5936	
			Suitable for Galvanizing"Class 3"	
			4935 HB	
			4936 HB	
			Suitable for Galvanizing"Class 1"	
89	EN 10149-2	EN 10149-2 S 420MC	HB 5941	Thermomechanically Rolled, High Strength Low Alloy, Suitable for Bending and Flanging used for automotive Manufacturing Industry
			HB 5942	
			Suitable for Galvanizing"Class 3"	
			4941 HB	
			4942 HB	
90	EN 10149-2	EN 10149-2 S 460MC	Suitable for Galvanizing"Class 1"	
			HB 5945	
			HB 5946	
			Suitable for Galvanizing"Class 3"	
			4945 HB	
			4946 HB	
91	EN 10149-2	EN 10149-2 S 500MC	Suitable for Galvanizing"Class 1"	Thermomechanically Rolled, High Strength Low Alloy, Suitable for Bending and Flanging used for automotive Manufacturing Industry
			HB 5949	
			HB 5950	
			Suitable for Galvanizing"Class 3"	
			4949 HB	
			4950 HB	
			Suitable for Galvanizing"Class 1"	
			Galv. uygun"Class 3"	

Item	INTERNATIONAL		HABAŞ STEEL GRADE	SCOPE OF MAIN PROPERTIES & APPLICATIONS
	STANDART	STEEL GRADE		
92	EN 10028	P 235 GH	HB 6337 HB 6338	Hot Rolled Steel With Elevated Temperature Properties For Pressure Wessels
93	EN 10028	P 265 GH	6341 HB 6342 HB	
94	EN 10028	P 295 GH	6347 HB 6348 HB	
95	EN 10028	P 355 GH	HB 6351 HB 6352	
96	EN 10120	P 235 NB	HB 6837	
97	EN 10120	P 265 NB	HB 6842	
98	EN 10120	P 310 NB	HB 6847	LPG tube manufactured steel grades
99	EN 10120	P 355 NB	HB 6852	
100	DIN EN 10111	DD12	3922 HB	Wheel Steel With Low Strength
101	EN 10025-2	S235JRC	3936 HB HB 3937	Wheel Steel With Medium Strength
102	EN 10025-2	S275JRC	HB 3943 3944 HB	
103	EN 10149-2	S 420MC	HB 3957 3958 HB	
				Wheel Steel With High Strength Low AllotSteel

HABAŞ PRODUCT CODES		
101	HBRKK	Hot Rolled Mill Edge Coil
102	HBR	Hot Rolled Edge Trimmed Coil
201	HBLRKK	Hot Rolled Mill Edge Cut To Length Sheet
202	HBLR	Hot Rolled Edge Trimmed Cut To Length Sheet
301	HBRD	Hot Rolled Slitted Coil
302	HBRPD	Hot Rolled Pickled&Oiled Slitted Coil
401	HBRPKK	Hot Rolled Pickled&Oiled Mill Edge Coil
402	HBRP	Hot Rolled Pickled&Oiled Edge Trimmed Coil
405	HBPLRKK	Hot Rolled Pickled and Oiled Mill Edge Cut To Length Sheet
406	HBPLR	Hot Rolled Pickled and Oiled Edge Trimmed Cut To Length Sheet



HABAŞ SİNAİ ve TIBBİ GAZLAR İSTİHSAL ENDÜSTRİSİ A.Ş.

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