

DILER HOLDING

- 1949** – Yazıcı Demir Çelik Karabük'te kuruldu.
- 1954** – Diler Demir Çelik Karabük'te haddehane açtı ve üretime başladı.
- 1978** – Diler Demir Çelik Gebze Dilovası'na çelikhane ve çubuk haddehanesi açtı. 108.000m² toplam alan içine, 63.500m² kapalı alana fabrika kuruldu.
- 1984** – İhracata yönelik olarak, İstanbul'da Diler Dış Ticaret A.Ş. açıldı.
- 1993** – Yazıcı Demir Çelik İskenderun – Sarıseki bölgesine çelikhane ve çubuk haddehanesi açtı. Fabrika 500.000m² toplam alan içinde 70.000m² kapalı alana kuruldu.
- 1998** – Diler Yatırım Bankası açıldı.
- 2002** – Belek / Antalya'da Cornelia De Luxe Resort oteli açıldı.
- 2003** – Faruk Denizcilik Sanayi ve Ticaret A.Ş. açıldı.
- 2005** – Diler Elektrik Üretim A.Ş. açıldı.
- 2008** – Atlas Enerji Üretim A.Ş. kuruldu.
- 2008** – Diler Demir Çelik Dilovası'na ilave yatırımla filmaşın çubuk haddehanesi açtı. 112.000m² toplam içine, 40.000m² kapalı alan olarak fabrika kuruldu.
- 2008** – Belek / Antalya'da Cornelia Diamond Golf Resort & Spa Hotel açıldı.
- 2010** – Antalya'da DİM Hidroelektrik Santrali açıldı.
- 2014** – Atlas Enerji Üretim A.Ş. İskenderun Termik santrali devreye girdi.
- 2014** – Dilek Denizcilik Sanayi ve Ticaret A.Ş. açıldı.
- 2016** – Diler Demir Çelik Filmaşın Çubuk Haddehanesi Modernizasyonu yapıldı.
- 2018** – Çan Tipi Filmaşın Tavlama Fırınları devreye alındı.

- 1949** – Yazıcı Demir Çelik was established in Karabük.
- 1954** – Diler Iron Steel established a rolling mill in Karabük and the production was begun.
- 1978** – Diler Iron Steel established steel mill and bar rolling mill for Gebze Dilovasi. The factory was established in a closed area of 63.500m², into a total area of 108.000m².
- 1984** – For export, Diler Foreign Trade INC. was established.
- 1993** – Yazıcı Iron Steel has established steel mill and bar rolling mill in Iskenderun-Sarıseki district. The factory was established in a closed area of 70.000m² in a total area of 500.000m².
- 1998** – Diler Investment Bank was established.
- 2002** – Cornelia De Luxe Resort hotel was established in Belek / Antalya.
- 2003** – Faruk Shipping Industry and Trade Inc was established.
- 2005** – Diler Electricity Generation Inc. was established.
- 2008** – Atlas Energy Production INC. was established.
- 2008** – Diler Iron and Steel has established a wire rod rolling mill with additional investment in Dilovasi. The factory was established as a closed area of 40.000m², into a total of 112.000m².
- 2008** – Cornelia Diamond Golf Resort & Spa Hotel was established in Belek / Antalya.
- 2010** – DİM Hydroelectric Power Plant was established in Antalya.
- 2014** – Atlas Energy Production INC. Iskenderun Thermal power plant 2x600MWatt was established.
- 2014** – Dilek Shipping Industry and Trade Inc. was established.
- 2016** – Modernization of Diler Iron Steel Wire Rod Bar Mill.
- 2018** – Bell Type Wire Rod Annealing Furnaces was established.



DİLER Çelikhane / DILER Steel Making Plant – KOCAELİ Dilovası

- Kapasite / Capacity: 1.300.000 t/y
- Kütük Kesit / Billet Section: 100x100-180x180mm
- Kütük Boy / Billet Length: 4,5-14m
- Ocak Tipi / Furnace Type: FUCHS Finger Shaft Elektrik Ark Ocağı (100 MVA) / FUCHS Finger Shaft Electrical Arc Furnace (100 MVA)
- Pota Ocağı / Ladle Furnace: BBC (20 MVA)
- Sürekli Döküm Makinesi / Continuous Casting Machine: 6 yollu-DANIELLI / 6 stands-DANIELLI
- Kapalı Döküm Sistemi / Submerged casting system
- Manyetik Karıştırıcı / Magnetic stirring

DİLER Çubuk Haddehane / DILER Rebar Rolling Mill – KOCAELİ Dilovası

- Kapasite / Capacity: 800.000 t/y
- Çap / Diameter: 8-40mm Nervürlü ve Düz yüzeyli Çubuk / Deformed and Plain Steel Bar
- Boy / Length: 6-18m
- Yürüyen Kirişli Tavlama Fırını / Type of Walking Beam Reheating Furnace: FIVE STEIN: 180 t/h
- Kütük Ebat / Billet Size: 130x130 – 150x150mm
- Kütük Boy / Billet Length: 12m
- Tufal Temizleme Ünitesi / Descaler Unit: 250 bar su ile (250 bars with water)
- 10 yatay tezgah-Hazırlama Grubu + 3 yatay tezgah-Orta Grup Hadde + 5 yatay tezgah-Finiş Grubu 2 soğutma platformu ve 2 Paketleme alanı
- 10 Horizontal stands Roughing Mill Group + 3 Horizontal stands Middle Mill Group + 5 Horizontal stands Finishing Mill Group 2 Cooling beds and 2 Packing area
- Sıcak Haddeleme ve Havada Soğuma / Hot rolled air cooling
- Sıcak haddeleme esnasında ısıl işlem uygulaması (Tempcore Sistem) / Quenching Self Tempering Application (Tempcore System)

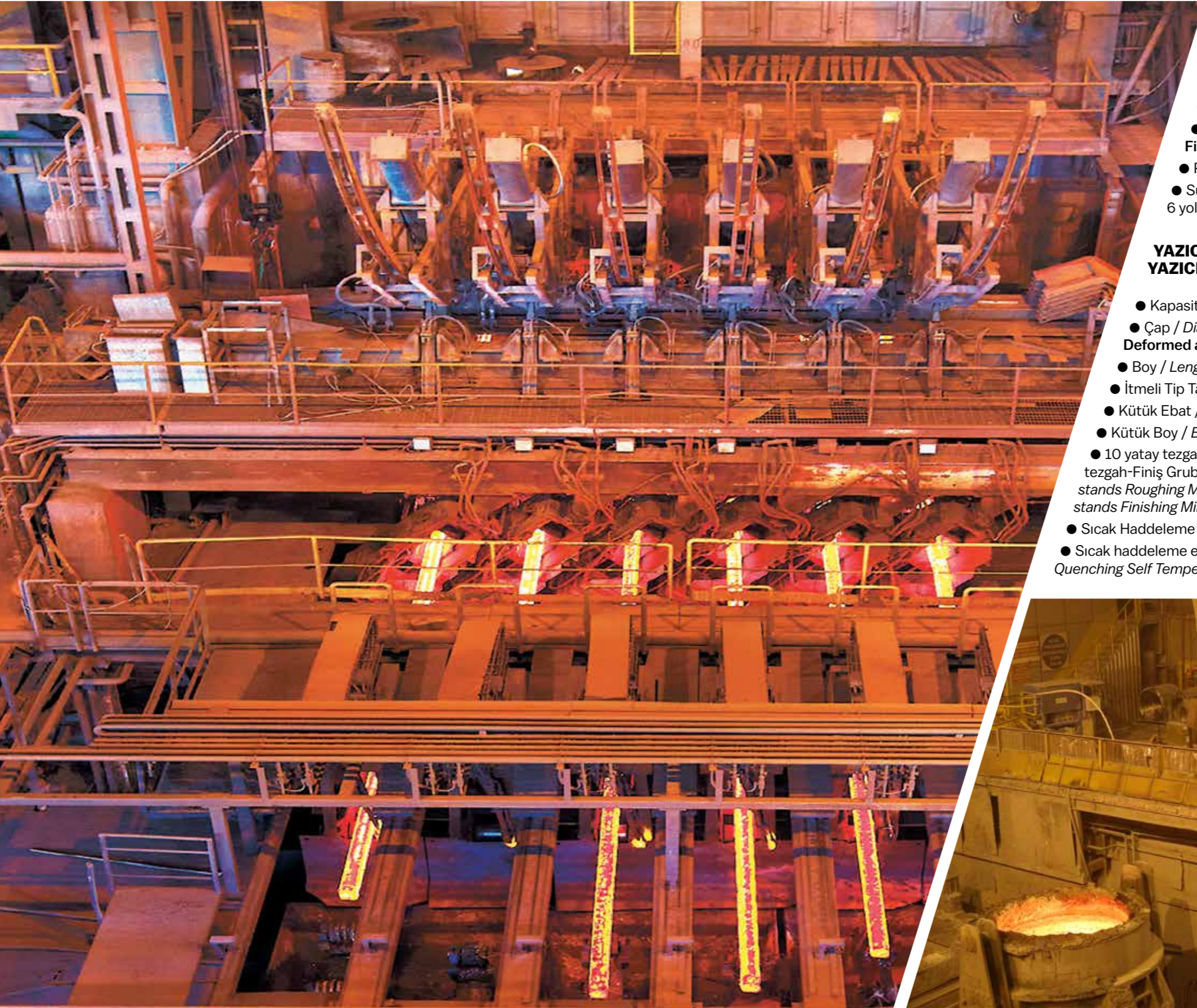




DİLER Filmaşın Haddehane / DILER Wire Rod Rolling Mill - KOCAELİ Dilovası

- Kapasite / Capacity: 450.000 t/y
- Çap / Diameter: 4,5-27mm Düz Yüzeyle Filmaşın / Plain Round Wire Rod
6-16mm Nervürlü Filmaşın / Debar in Coil
- Yürüyen Kirişli Tavlama Fırını / Type of Walking Beam Reheating Furnace: 100 t/h DANIELLI
- Kütük Ebat / Billet Size: 130x130 - 160x160mm
- Kütük Boy / Billet Length: 9,5-12m
- Tufal Temizleme Ünitesi / Descaler Unit: 300 bar su ile (300 bar with water)
- 32 Hadde Tezgaah (18 Dikey-Yatay Hadde Tezgaahı + 10 lu Monoblok + 4 lü Twinblok) /
32 Rolling Stand Mill (18 Horizontal & Vertical Rolling Stands + 10 Monoblock + 4 Twinblock) DANIELLI
- Termomekanik Haddeleme / Thermomechanical Rolling DANIELLI
- 2 tip serme kafa (4,5-27mm / özel 4,5-7,5mm) /
2 type Laying Head (4,5-27mm / special 4,5-7,5mm)
- Stelmor Kontrollü Soğutma Sistemi / Stelmor Controlled Cooling System: 90m kapalı 110m toplam uzunluk / 90m with cover, total 110m
Yüksek soğutma kapasiteli 18 adet fan /
18 blower with high cooling capacity DANIELLI
- Lazer Çap Ölçüm Sistemi / Laser Diameter Measurement System
- Yüksek Çözünürlüklü Kamera ile Hat Üstü Yüzey Kontrol Sistemi /
Surface Control System with High Definition Camera
- Sıcaklık Hat Tarayıcı / Temperature Line Scanner
- Yüksek Hız Makası / High Speed Shear
- DANIELLI Level 2 Kontrol Sistemi / DANIELLI Level 2 Control System
- İki adet bağlama makinesi / Two binding machines
- Çan Tipi Filmaşın Tavlama Fırını / Bell Type Wire Rod Annealing Furnace
DANIELLI: 23.000 t/y (2 ısıtma + 1 soğutma) / (2 heating + 1cooling) - (N₂) Azot atmosferi altında, Filmaşın Küreşleştirme Tavlama İşlemi /
Coils Spheroidizing annealing in Nitrogen (N₂) atmosphere, Wire rod Spheroidization Annealing Process





**YAZICI Çelikhane /
YAZICI Steel Making Plant – HATAY / İskenderun**

- Kapasite / Capacity: 1.050.000 t/y
- Kütük Kesit / Billet Section: 100x100 - 140x140mm²
- Kütük Boy / Billet Length: 4,5-14m
- Ocağın Tipi / Furnace Type: Finger Shaft Elektrik Ark Ocağı (78 MVA) ABB / Finger Shaft Electrical Arc Furnace (78 MVA) ABB
- Pota Ocağı / Ladle Furnace (12 MVA)
- Sürekli Döküm Makinesi / Continuous Casting Machine: 6 yollu- CONCAST / 6 stands- CONCAST

**YAZICI Çubuk Haddehane /
YAZICI Rebar Rolling Mill – HATAY / İskenderun**

- Kapasite / Capacity: 1.000.000 t/y
- Çap / Diameter: 8-50mm Nervürlü ve Düz yüzeyli Çubuk / Deformed and Plain Steel Bar
- Boy / Length: 6-18 m
- İtmeli Tip Tavlama Fırını / Pusher Type Reheating Furnace: 180 t/h
- Kütük Ebat / Billet Size: 130x130 – 140x140mm²
- Kütük Boy / Billet Length: 14m
- 10 yatay tezgah-Hazırlama Grubu + 4 yatay tezgah-Orta Grup Hadde + 4 yatay tezgah-Finiş Grubu 2 soğutma platformu ve 2 Paketleme alanı / 10 Horizontal stands Roughing Mill Group + 4 Horizontal stands Middle Mill Group + 4 Horizontal stands Finishing Mill Group 2 Cooling beds and 2 Packing area
- Sıcak Haddeleme ve Havada Soğuma / Hot rolled air cooling
- Sıcak haddeleme esnasında ısıl işlem uygulaması (Tempcore Sistem) / Quenching Self Tempering Application (Tempcore System)



WIRE ROD FEATURES / FİLMAŞIN ÖZELLİKLERİ

Biçim / Format	Ölçüler / Dimensions	Filmaşın Ağırlıklar / Coil weights	Filmaşın Boyutları / Coil diameter / height	Çap Toleransları / Size Tolerances
Düz Yüzeyle Plain Round	4.50 – 27.00mm	1,500- 2,300kg	İç Çap / Inner diameter: 800-900mm Dış Çap / Outer diameter: 1,200-1,300mm veya /or 1,100-1,170mm Yükseklik / Height: 1,000-1,800mm	EN 10108B EN 10108A EN 10017 DIN 59115A DIN 59115B
Nervürlü Debar	6.00 – 16.00mm	1,750- 2,000kg	İç Çap / Inner diameter: 850-950mm Dış Çap / Outer diameter: 1,200-1,300mm veya /or 1100-1170mm Yükseklik / Height: 1,400-1,900mm	Ulusal ve Yabancı Standartlara göre According to national and foreign standards

Paketleme / Packaging:

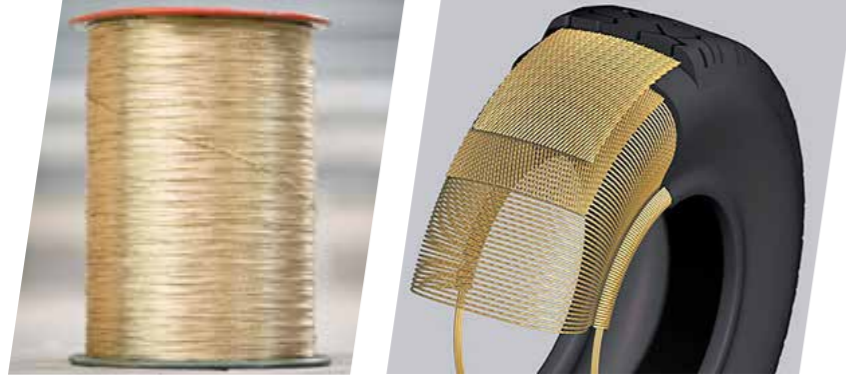
7mm Tel ile 4 noktadan tek veya çift bağlama / Single or double tying from 4 points with 7mm wire
Metalik şerit ile 4 noktadan tek veya çift bağlama / Single or double tying from 4 points with metallic strip



Kare Barkod ile Çift Etiketleme / Double Labeling with Square Barcode
Asit ve hava koşullarına dayanıklı plastik etiket / Acid and weather resistant plastic label



Kord Teli / Steel Cord



**KORD TELİ İÇİN YÜKSEK KARBONLU ÇELİKLER
HIGH CARBON STEEL FOR STEEL CORD**

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo
SAE 1072	JIS G 3506 SWRH 72A	0.70-0.75	0.30 max	0.45-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.10 max	0.03 max
SAE 1080	JIS G 3506 SWRH 82A	0.80-0.85	0.30 max	0.45-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.10 max	0.03 max

Ön Gerimeli Beton Demeti için Çelikler / Wire Rod for PC Strand Steels



**ÖN GERİLMELİ BETON DEMETİ İÇİN ÇELİKLER
WIRE ROD FOR PC STRANDS STEELS**

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo	%N	%Al
SAE 1080 PC (*)	ISO 16120-4 C82D2	1.1262	0.80-0.84	0.10-0.30	0.50-0.70	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	0.0070 max	0.010 max

(*) Cr+V alaşımı üretilebilmektedir. Cr+V alloy can be produced.

Soğuk Şekillendirme İçin Çelikler / Cold Forming Steels



**SOĞUK ŞEKLİLENDİRME İÇİN ÇELİKLER
WIRE ROD FOR COLD FORMING STEELS**

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Al	%B
17MNB3	JIS G 3507-1 SWRCH22A		0.17-0.23	0.10 max	0.80-1.10	0.025 max	0.025 max	0.10 max	0.10-0.20	0.10 max	0.020-0.050	0.0020-0.0050
20MNB4	ASTM A29/29M AISI 10B20	1.553	0.18-0.23	0.10 max 0.15-0.25	0.90-1.10	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
23MNB4		1.554	0.20-0.25	0.10 max 0.15-0.25	0.90-1.20	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
27MNB4	ASTM A29/29M AISI 10B26	1.554	0.25-0.30	0.10 max 0.15-0.25	0.90-1.20	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
30MNB4	ASTM A29/29M AISI 10B30	1.553	0.27-0.32	0.10 max 0.15-0.25	0.80-1.10	0.025 max	0.025 max	0.10 max	0.30 max	0.25 max	0.020-0.050	0.0020-0.0050
C35B	35B2	1.551	0.32-0.38	0.10 max	0.60-0.80	0.025 max	0.025 max	0.10 max	0.30 max	0.10 max	0.020-0.050	0.0020-0.0050
37Cr4		1.703	0.34-0.41	0.10 max	0.60-0.90	0.025 max	0.025 max	0.10 max	0.90-1.20	0.10 max	-	-
41Cr4	ASTM A29/29M AISI 5140	1.704	0.38-0.45	0.10 max	0.60-0.90	0.025 max	0.025 max	0.10 max	0.90-1.20	0.10 max	-	-
SAE 1006 C	JIS G 3507-1 SWRCH6A EN 10263-2 C7C	1.031	0.08 max	0.10 max	0.25-0.45	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-
SAE 1008 C	JIS G 3507-1 SWRCH8A EN 10263-2 C8C	1.021	0.10 max	0.10 max	0.30-0.50	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-
SAE 1010 C	JIS G 3507-1 SWRCH10A EN 10263-2 C10C	1.021	0.08-0.13	0.10 max	0.30-0.50	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-
SAE 1018 C	JIS G 3507-1 SWRCH18A EN 10263-2 C17C	1.021	0.15-0.20	0.10 max 0.15-0.25	0.60-0.90	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.020-0.050	-

Orta ve Yüksek Karbonlu Çelikler / Medium and High Carbon Steels



ORTA VE YÜKSEK KARBONLU TRANSMİSYON MİLİ, YATAK YAYI VE ENDÜSTRİYEL YAY İÇİN ÇELİKLER
WIRE ROD FOR MEDIUM AND HIGH CARBON STEELS

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo	%Cr+Mo+Ni
SAE 1035	ISO 16120-2 C38D EN 10083-2 C35	1.0501	0.32-0.38	0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
C35R		1.1180	0.32-0.39	0.30 max	0.60-0.90	0.030 max	0.020-0.040	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1040	ISO 16120-2 C40D EN 10083-2 C40	1.0511	0.37-0.44	0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1045	JIS G 3506 SWRH 47B ISO 16120-2 C42D EN 10083-2 C45	1.0503	0.43-0.48	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1045 Y	JIS G 3506 SWRH 47A ISO 16120-4 C46D2	1.1162	0.44-0.48	0.10-0.30	0.50-0.60	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	
C45R		1.1201	0.43-0.48	0.30 max	0.60-0.90	0.030 max	0.020-0.040	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1055	JIS G 3506 SWRH 57B ISO 16120-2 C56D	1.0535	0.54-0.58	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1055 Y	JIS G 3506 SWRH 57A ISO 16120-4 C56D2	1.1220	0.54-0.58	0.10-0.30	0.50-0.60	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	
SAE 1065	JIS G 3506 SWRH 67B ISO 16120-2 C66D	1.1230	0.64-0.68	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1065 Y	JIS G 3506 SWRH 67A ISO 16120-2 C66D2	1.2222	0.64-0.68	0.10-0.30	0.50-0.60	0.020 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max	
SAE 1070	JIS G 3506 SWRH 72B ISO 16120-2 C70D	1.1231	0.70-0.75	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1075 (*)	JIS G 3506 SWRH 77B ISO 16120-2 C76D	1.1248	0.74-0.77	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max
SAE 1080	JIS G 3506 SWRH 82B ISO 16120-2 C82D		0.80-0.85	0.15-0.30 0.30 max	0.60-0.90	0.030 max	0.030 max	0.40 max	0.40 max	0.30 max	0.05 max	0.63 max

(*) Cr+V alaşımli üretilebilmektedir. Cr+V alloy can be produced.

Otomat Çelikleri / Free Cutting Steels



OTOMAT ÇELİKLERİ
FREE CUTTING STEELS

Kalite Quality	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Pb
11SMNPB30	1.0718	0.14 max	0.05 max	0.90-1.30	0.11 max	0.27-0.33	0.20-0.35
11SMN30	1.0715	0.14 max	0.05 max	0.90-1.30	0.11 max	0.27-0.33	
12L14	1.0737	0.15 max	0.03 max	0.85-1.15	0.04-0.09	0.26-0.35	0.15-0.35
10S20	1.0721	0.07-0.13	0.40 max	0.70-1.10	0.06 max	0.15-0.25	0.20-0.35
44SMN28	1.0762	0.40-0.48	0.40 max	1.30-1.70	0.06 max	0.24-0.33	



Kaynak Elektrod Teli İçin Çelikler / Wire Rod For Welding Steels



Düşük Karbonlu Çelikler / Low Carbon Steels



**KAYNAK ELEKTROD TELİ İÇİN ÇELİKLER
WIRE ROD FOR WELDING STEELS**

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo	%B	%Ti
S1	AWS A5.17 EL 12 JIS 3503 SWRY 11 DIN 17145 RRSD10	1.0323 1.0351	0.06-0.12	0.05 max	0.35- 0.60	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S2	AWS A5.17 EM 12 DIN 17145 11Mn4	1.0494	0.07-0.15	0.10 max	0.80- 1.20	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S3	DIN 17145 11Mn6	1.0496	0.08-0.14	0.08- 0.22	1.35- 1.65	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S2Si	AWS A5.17 EM 12K DIN 17145 11Mn4	1.0492	0.07-0.15	0.20- 0.30	0.80- 1.20	0.030 max	0.030 max	0.15 max	0.15 max	0.20 max	-	-	-
S2Mo	AWS A5.23 EA2 DIN 17145 11MnMo45	1.5425	0.08-0.15	0.05- 0.25	0.80- 1.20	0.025 max	0.025 max	0.15 max	0.15 max	0.20 max	0.45- 0.65	-	-
S2MoTiB			0.05-0.15	0.10- 0.30	1.00- 1.20	0.025 max	0.025 max	0.10 max	0.10 max	0.12 max	0.45- 0.65	0.010- 0.020	0.10- 0.20
SG2	AWS A5.18 ER70S-6 EN 440 G3Si1 DIN 17145 11MnSi6	1.5125	0.07-0.14	0.70- 1.00	1.30- 1.60	0.025 max	0.025 max	0.15 max	0.15 max	0.20 max	0.15 max	-	-
SG3	AWS A5.18 ER70S-6 EN 440 G4Si1 DIN 17145 11MnSi7	1.5130	0.07-0.14	0.80- 1.20	1.60- 1.90	0.025 max	0.025 max	0.15 max	0.15 max	0.20 max	0.15 max	-	-
ER110SG			0.10 max	0.80 max	1.60 max	0.010 max	0.010 max	1.90- 2.00	0.30- 0.40	0.25- 0.35	0.30- 0.50	-	0.10 max

**DÜŞÜK KARBONLU ÇEKME KALİTE TEL İÇİN ÇELİKLER
LOW CARBON DRAWING QUALITY WIRE ROD**

Kalite Quality	Eşdeğer Kaliteler Equivalent Qualities	Malzeme No. Material No.	%C	%Si	%Mn	%P	%S	%Ni	%Cr	%Cu	%Mo
SAE 1005	EN 16120-3 C4D1 EN 10016-2 C4D	1.0300 1.0314	0.06 max	0.10 max 0.30 max	0.25-0.45	0.025 max	0.025 max	0.10 max	0.10 max	0.15 max	0.03 max
SAE 1006	JIS G 3505 SWRM 6 EN 10016-2 C7D	1.0313	0.08 max	0.30 max	0.25-0.45	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1008	JIS G 3505 SWRM 8 EN 10016-2 C9D	1.0304 1.0318	0.10 max	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1010	JIS G 3505 SWRM 10 EN 10016-2 C10D	1.0308 1.0310	0.08-0.13	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1012	JIS G 3505 SWRM 12 EN 10016-2 C12D	1.0311	0.10-0.15	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1015	JIS G 3505 SWRM 15 EN 10016-2 C15D	1.0413	0.13-0.15	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1018			0.15-0.20	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max
SAE 1020	JIS G 3505 SWRM 20 EN 10016-2 C20D	1.0408 1.0541	0.18-0.23	0.30 max	0.30-0.60	0.025 max	0.025 max	0.10 max	0.10 max	0.30 max	0.05 max

- Çekme ve akma mukavemeti, % uzama, Agt ve kesit daralmasının hesaplanması / *Measurement of tensile properties (yield strength, tensile strength, % elongation and % Agt) of steel bar and wire rod*
- Nervür geometrisinin belirlenmesi / *Determination of rib geometry*
- Yüzey kontrolü için EN 10263-1 standardına göre şişirme testi yapılması / *Upset test according to EN 10263-1 standard for surface inspection*
- Yüzey ve İç yapı kontrolü için Bükme ve Geri bükme testlerinin yapılması / *Bending and rebending tests for surface and internal structure control*
- % Tufal miktarı tespitinin yapılması / *Determination of % scale amount*
- Mikroyapı analizi / *Microstructure analysis*
- Dekarbürizasyon derinliğinin tayini / *Determination of decarburization depth*
- Mikrotemizlik sayımı / *Micro cleaning*
- Tane büyüklüğü / *Grain size*
- Östenit tane büyüklüğü / *Austenite grain size*
- Küreselleşme Oranın Tayini / *Determination of spheroidization rate*
- Hata analizi / *Error analysis*
- Tane sınırlarında sementit çökmesi tayini / *Determination of grain boundaries cementite sedimentation*
- Numune yüzey incelemeleri / *Specimen surface controls*
- Segregasyon testi / *Segregation test*
- Merkez sertleşebilirlik testi / *Center hardenability test*
- Östenit tane büyüklüğü testi / *Austenite grain size test*
- Su analiz testleri / *Water analysis tests*
- Sertlik ölçümleri / *Hardness measurements*
- Özdirenç testi / *Electrical resistance and resistivity test*
- Çelik numunelerinin içeriğindeki elementlerin konsantrasyon tayini / *Determination of chemical analyses of steel samples*
- Kireç, Alüminyum, florit ve ferro alyajların kimyasal içeriğinin tespiti / *Analyses of incoming materials (Lime, Aluminium, Fluoride and Ferro alloys)*
- Çelik numuneleri ve ferro alyajların içeriğindeki %C ve %S oranı tespiti / *Determination of %C and %S in steel sample and ferro alloys*
- Çelik numunelerinin içeriğindeki %N ve %O ve %H oranı tespiti / *Determination of %N, %O and %H in steel samples*



DILER IRON & STEEL / DİLER DEMİR ÇELİK

- Türk Standartları Enstitüsü ISO 9001:2008 Belgesi (K-Q TSE-ISO-EN 9000)
- UK CARES ISO 9001:2008
- SGS ISO 9001: 2015
- SGS ISO/IEC 27001:2013
- UK CARES ISO 14001:2015
- UK CARES OHSAS:18001
- UK CARES CARES Sustainable Reinforcing Steel
- SGS ISO/TS 16949

Product Conformity Certification

- Türk Standartlarına Uygunluk Belgesi TSE Türkiye
- Türk Standartlarına Uygunluk Belgesi Tel Çubuk Haddehane İşletme TSE Türkiye
- El Instituto Central de Intermac (ENAC) ispanya Certificado de Homologación de Adherencia CARES İngiltere BS 4449 2005 Grade B500C Bar 8 to 40mm
- UK CARES İngiltere BS 4449 2005 Grade B500B Bar 8 to 40mm
- UK CARES İngiltere BS 4449 2005 Grade B500B Coil 8 to 12mm
- UK CARES İngiltere BS 4482 2005 Grade 250 Coil 5.5 to 16mm
- UK CARES İngiltere BS 4449 1997 Grade 460B Bar 8 to 40mm
- UK CARES İngiltere Plain round feedstock for BS4449 and BS 4482 5.5 to 16mm
- AFCAB / AFNOR Fransa Certificat NF - Aciers Pour Beton Arme
- Certificat De Conformitate Qualitas Romania
- Certificate of Conformity Bulgarkontrola S.A. Bulgaristan
- DCL Dubai Municipality Dubai DUBAI CENTRAL LAB. Certificate of Product Conformity ASTM A 615: 2008, BS 4449: 1997 with Amd.1, BS 4449: 2005
- Politecnico Di Torino İtalya Controllo In Stabilimento
- СЕРТИФИКАТ СООТВЕТСТВИЯ СТО АСЧМ 7-93, ГОСТ 52544-2006 Rusya
- THE STANDARDS THE INSTITUTION OF ISRAEL İsrail 4466 PART 3

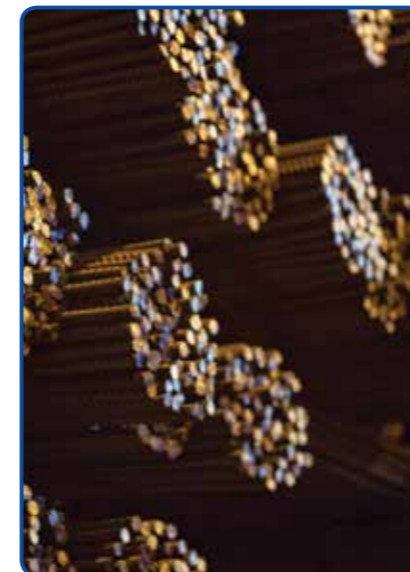
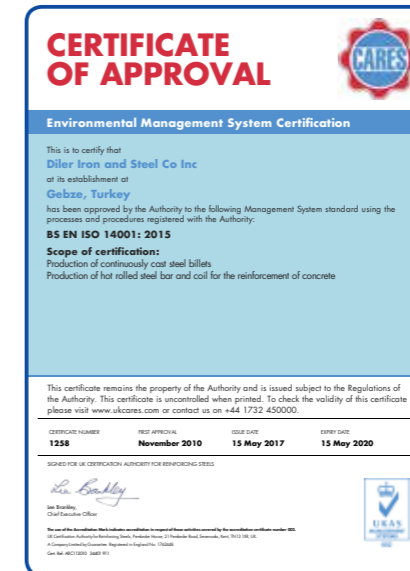
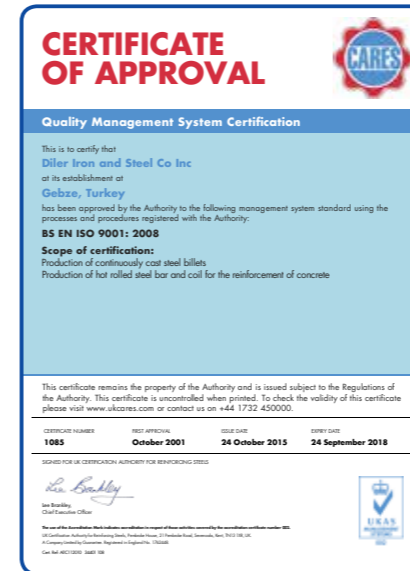
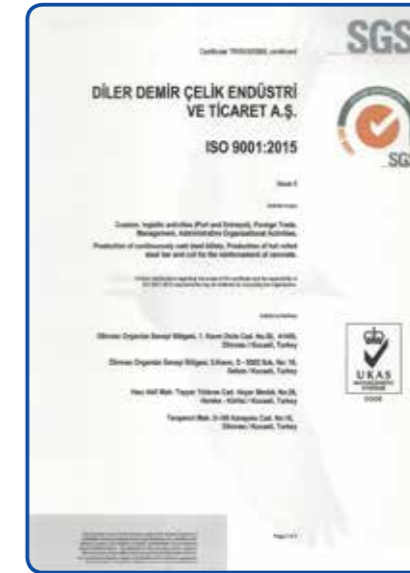
- OCAB-OCBS BELÇİKA BETONSTAAL VOLGENS NBN A 24301 TOT 304 EN GEASSOCIEERDE
- SIRIM QAS MALEZYA PTV SIRIM Product Certification Licence
- TSE Türkiye Türk Standartlarına Uygunluk Belgesi TS 13242 AGREGA
- Q.A TECHNICH Türkiye CE BELGESİ
- IFBQ FALCAU BAUER Brezilya Atestados de Conformidade Falcão Bauer - Série Extra Grossa Atestados de Conformidade Falcão Bauer - Série Fina
- IFBQ FALCAU BAUER Brezilya Atestados de Conformidade Falcão Bauer - Série Grossa
- IFBQ FALCAU BAUER Brezilya Atestados de Conformidade Falcão Bauer - Série Média

YAZICI IRON & STEEL / YAZICI DEMİR ÇELİK

- TS EN ISO 9001 – 2015
- TS EN ISO 14001 – 2015
- TS OHSAS 18001 – 2009
- CARES BS EN ISO 9001 2015
- CARES BS EN ISO 14001 2015
- CARES OHSAS 18001 2007
- CARES Sustainable Reinforcing Steel Certification
- SGS ISO 9001 2015

Product Conformity Certification

- TS 708
- CARES BS
- The Standarts Institution of Israel
- Certif A 400 / A 500 – Portugal
- Labor fur Stahl – Germany
- Komo B500B – Netherland
- DCL BS 4449:2005+A3 – Dubai
- CARES SS560 – Singapore
- MS146 – Malaysia
- OMPIC- Morocco





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YAZICI LİMANI



Tersane Caddesi Diler Han No: 96
Karakoy-Istanbul-Turkey
Tel: (+90 212) 253 66 30
Fax: (+90 212) 254 01 87
www.dilerhld.com
disticaret@dilerhld.com



DILER HOLDING