

Güney Çelik



Hello there. I'm WireRO.

I will accompany you while you are revealing the secrets of Güney Çelik's success. You will see how our experienced engineers contribute the evolution of our technology.

Since beginning of our company life, we have been searching for better, working hard, caring nature, and surpassing customer expectations.

Ready to see how our R&D studies turn into high quality products beyond industry standards.

As we are approaching half century, we continue to make investments in new products to support our economy and society.

If you're ready, let's start the adventure...





wire you desire...



quality beyond the borders



since 1978

Güney Çelik is a part of Arsan Group which has investments and facilities in several fields like tourism, agriculture, natural gas distribution, infrastructure and construction in Turkey and abroad since 1978.

since 1992

Güney Çelik has achieved being one of largest wire manufacturers in Turkey in 2018. Güney Çelik has production facilities in Adana and Kocaeli. In order to meet the increasing demand for its high quality products, Güney Çelik is adding more production lines every year.

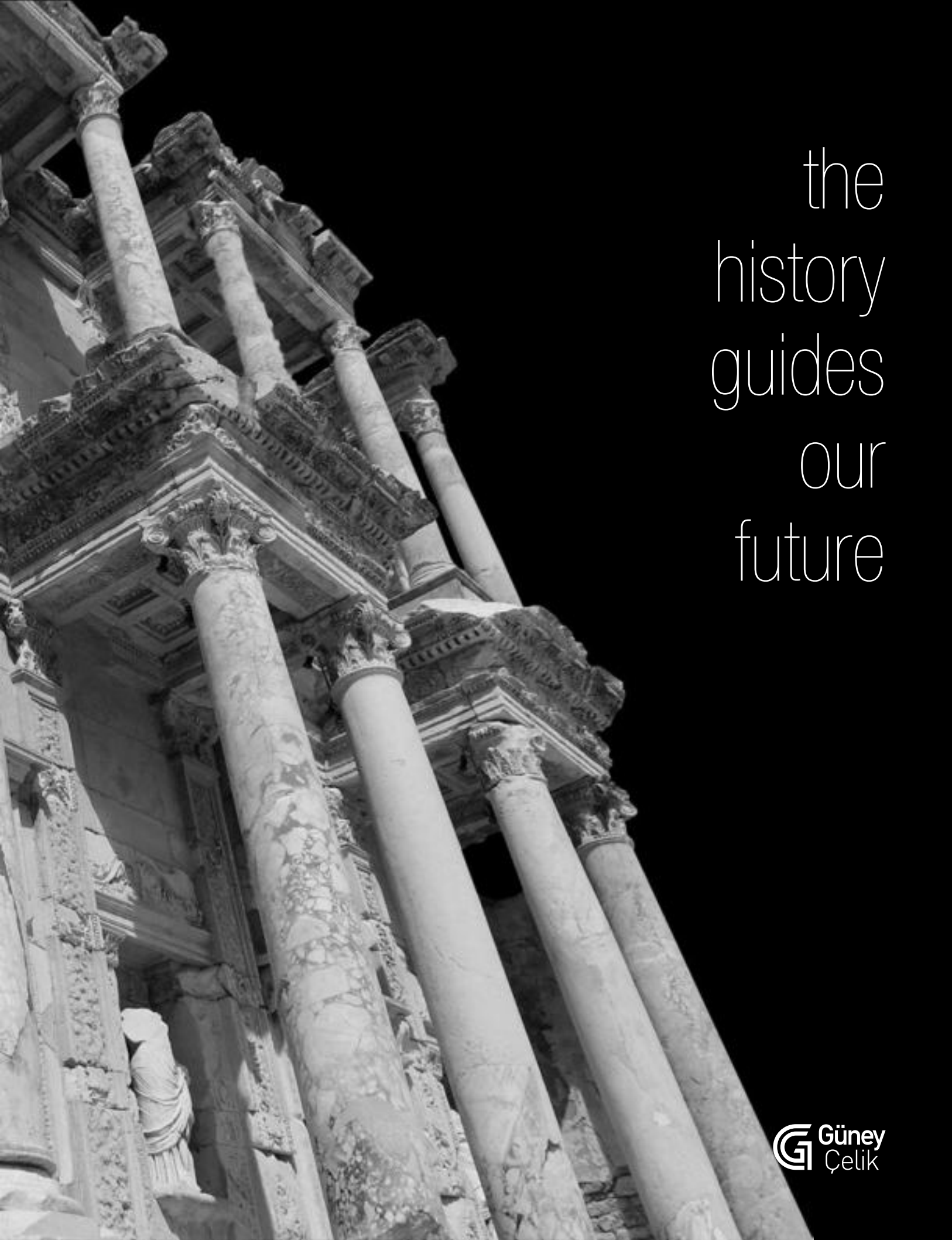
We have growing presence in Europe, North America and Africa and exporting our products over 70 countries. We rank as one of the top 250 exporting companies in Turkey in 2018.

Thanks to its location close to steel mills and seaports, Güney Çelik has low transportation cost and short delivery time.

Our core line of products includes galvanized wire for various applications like welded mesh, chain-link fence, razor and barbed wires, rockfall mesh, gabion wire, armoured electric cables, bent metal elements, bucket handles, clothes hangers, farming applications, shelving elements, temporary metal fencing elements. Also, we manufacture and distribute prestressed concrete strand and prestressed concrete wire, spring wire, nails and screws.

We treat all customers and vendors with respect and provide consistent value in our products and services. With the mission to add value to steel and applying right policies in quality, environment and occupational safety, Güney Çelik has become a global brand in steel industry.





the
history
guides
our
future

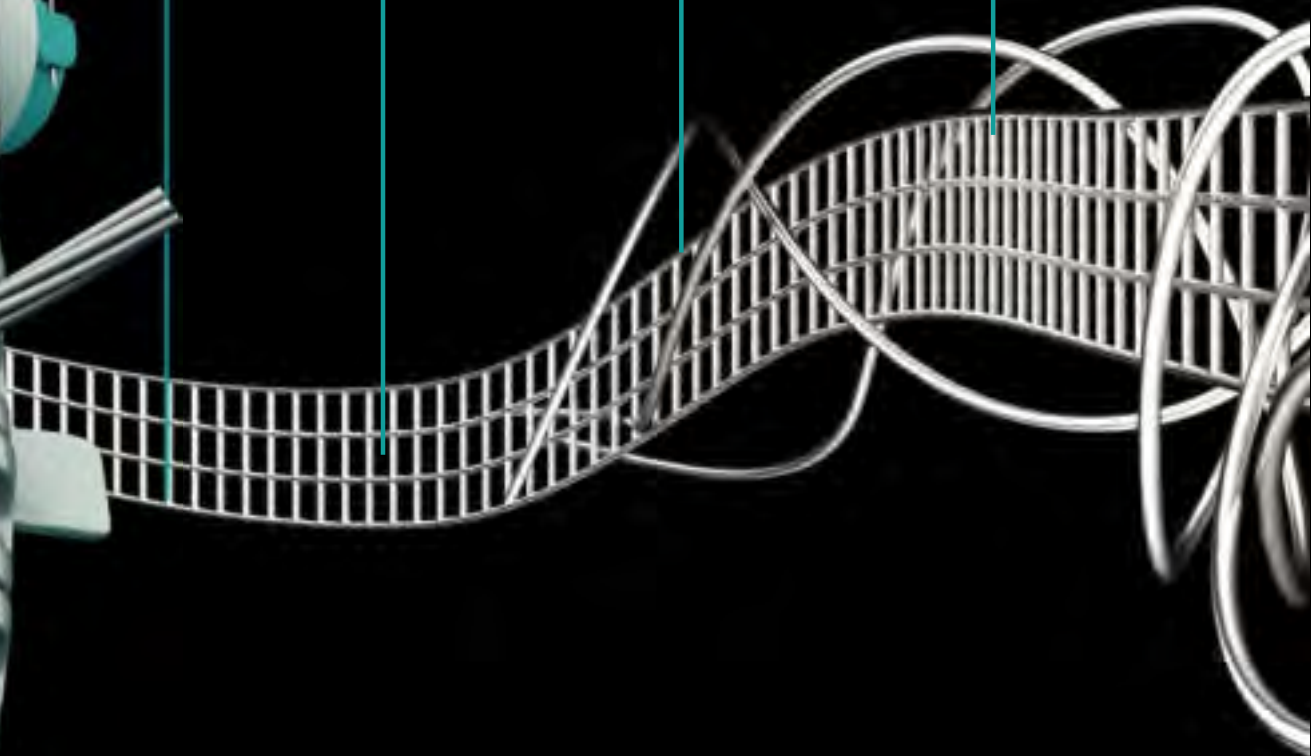


**GUNEY CELIK INC.
WAS ESTABLISHED**

WIRE MESH PRODUCTION STARTED

GALVANIZED WIRE PRODUCTION STARTED

KOCAELI DILOVASI OSB BRANCH COMMENCED OPERATIONS



2010

R & D DEPARTMENT
ESTABLISHED

2012

PC STRAND
PRODUCTION
STARTED

2014

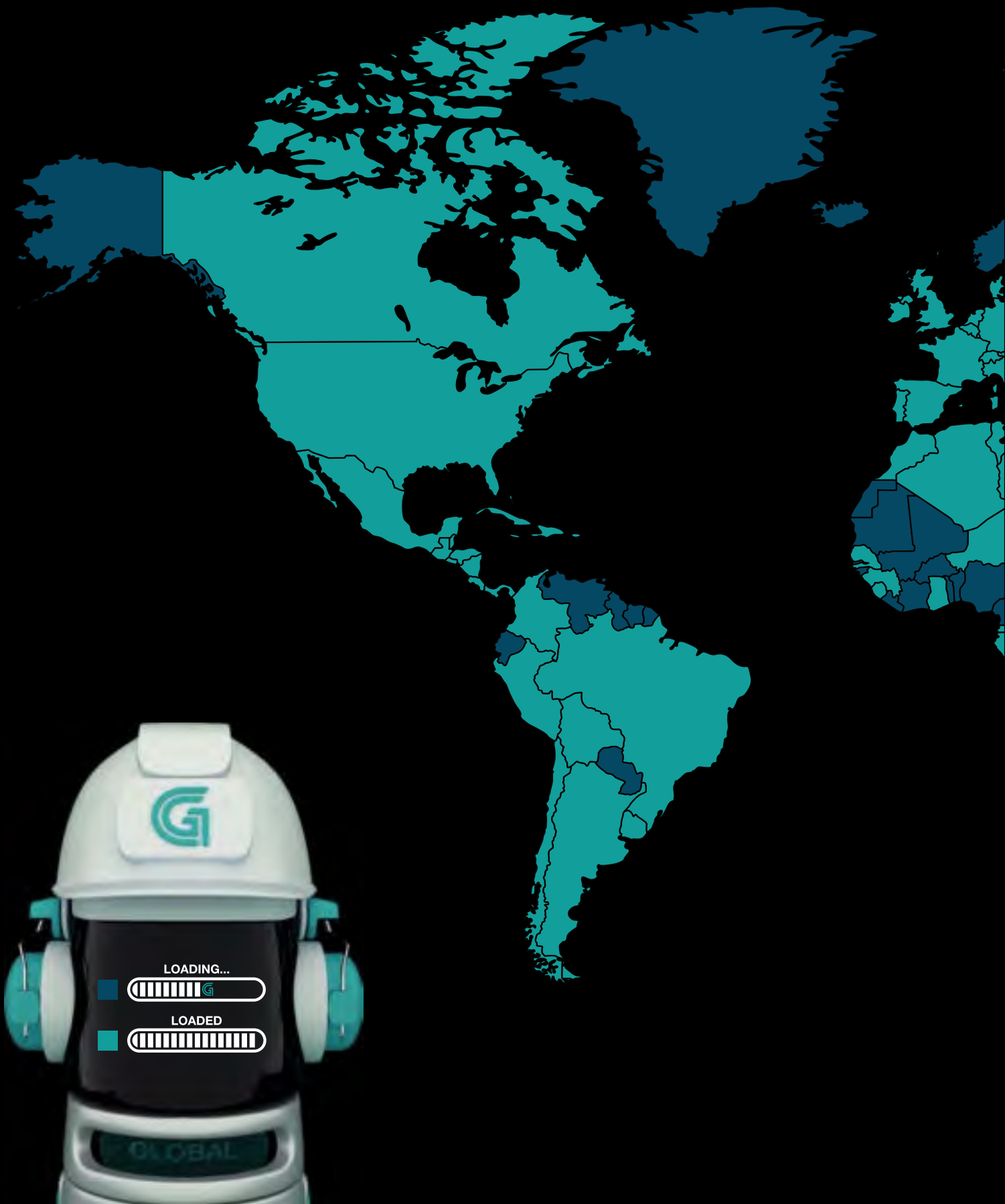
R & D
CENTER CERTIFICATE
RECEIVED

2015

PC WIRE PRODUCTION
STARTED

2019

CIVIDA BRAND
LAUNCHED



LOADING...

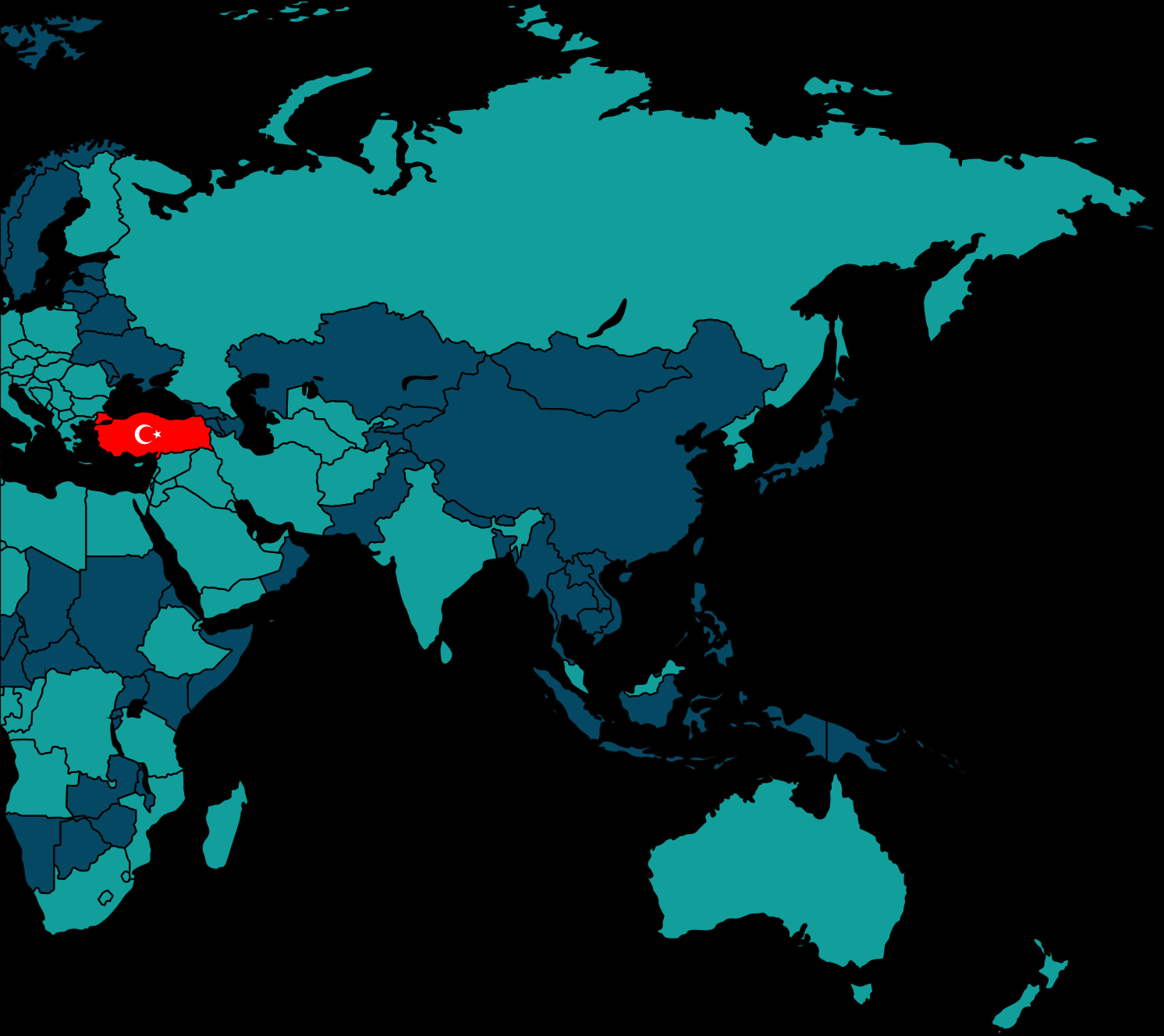


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GLOBAL

Güney Çelik exports its products to more than 70 countries in six continents



R&D

We have Research and Development Center

accredited by Turkish Standards Institute.

Having continued its R&D activities

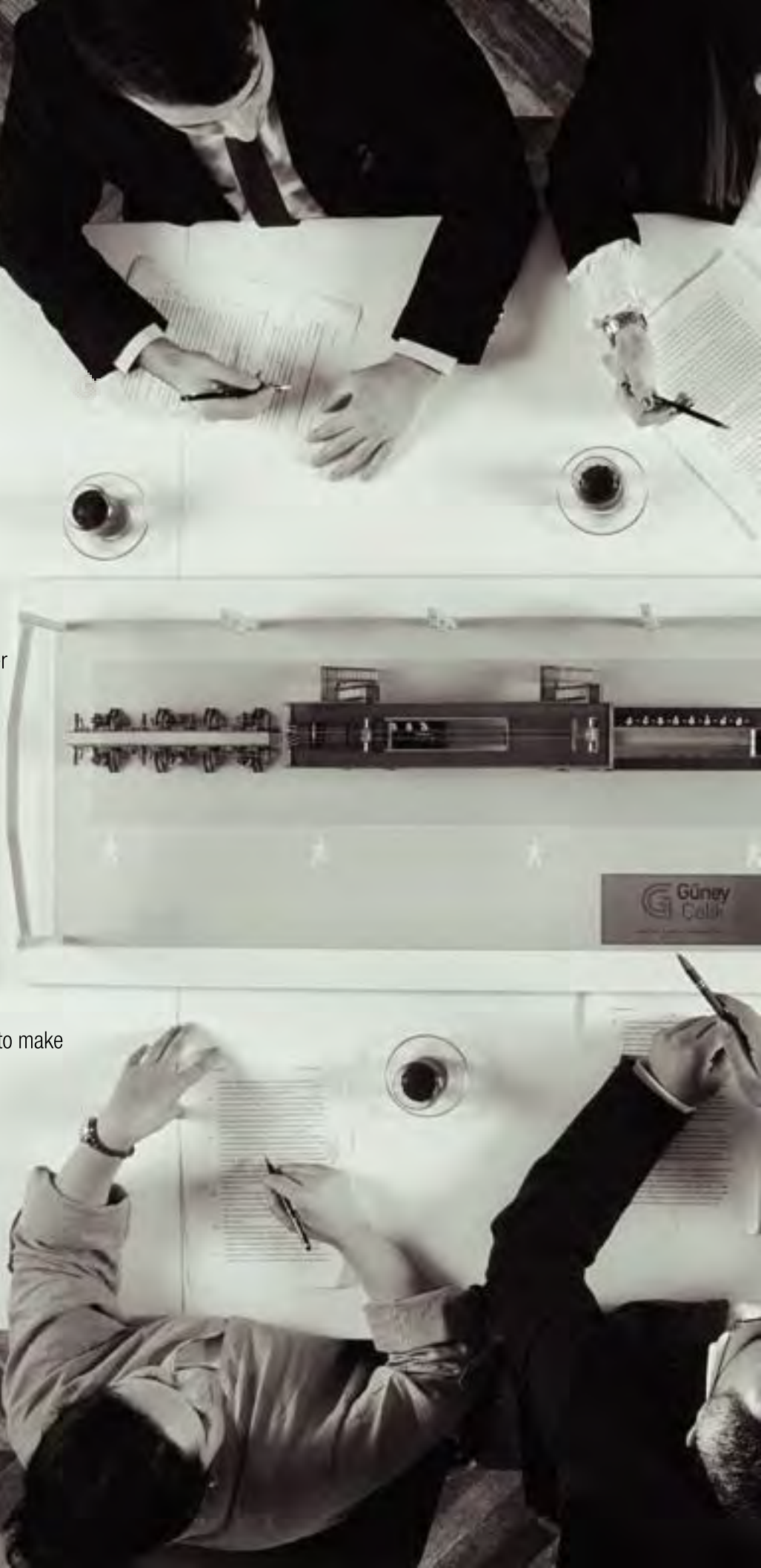
since 2010, Güney Çelik has been

a pioneer in the wire industry.

We use our researchers' expertise in steel to make

production more sustainable and

help to reduce our environmental impact.





independent testing laboratory

Güney Çelik Material Testing Laboratory is accredited according to ISO 17025 standard. Tests are being performed according to TS EN ISO 15630-3, TS 205-2 ISO 7801, ASTM A1061 / A1061, ASTM E 328, ASTM A370 standards under independent laboratory conditions.



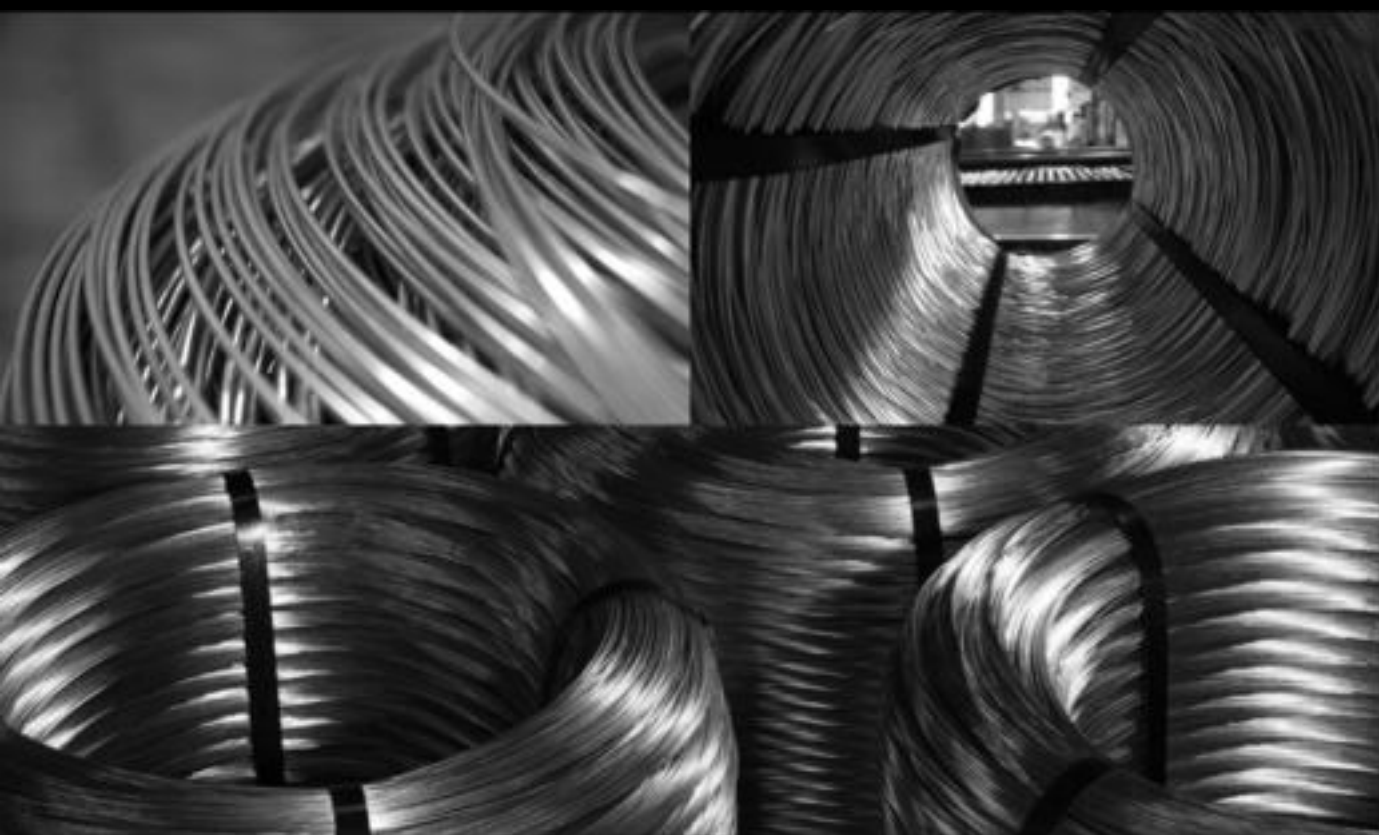
Test
TS EN ISO/IEC 17025

AB-1450-T

Date: 05.08.2019



*With its history of more than quarter century,
Güney Çelik is rightly proud of producing the
wire you desire and trust.*



PRODUCTS





A close-up, high-contrast photograph of galvanized wire strands. The strands are tightly packed and curve diagonally across the frame, creating a strong sense of depth and texture. The lighting highlights the metallic sheen and the individual wires within the bundle.

we add
value to
galvanized
wire



HOT DIPPED GALVANIZED STEEL WIRE

QUALITY



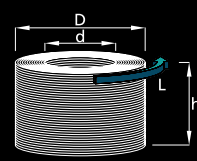
EN10244-2, ASTM A641/A 641M-03 and other international norms



TECHNICAL SPECIFICATIONS

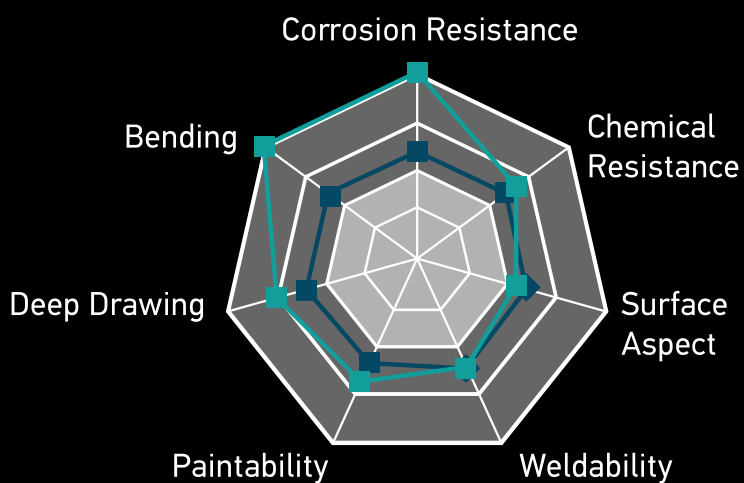
| TENSILE CLASS | DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) |
|---------------|---------------|---------------------------------------|
| SOFT | 0,80 - 5,00 | 400 - 550 |
| HARD | 1,40 - 7,50 | 500 - 850 |
| HIGH CARBON | 1,20 - 5,20 | 900 - 1750 |

PACKAGING SIZE & TYPE

| TYPE 1 | Ø 0,80 mm-Ø 1,60 mm (Midi Coil) | Ø 1,60 mm-Ø 5,00 mm (Standard Coil) | | Ø 4,00 mm-Ø 7,50 mm (Jumbo Coil) |
|--------------------------|--|--|------------|-------------------------------------|
| Inner Diameter (ID) (mm) | 330 - 350 | 430 - 470 | 480 - 520 | 530 - 570 |
| Outer Diameter (OD) (mm) | 540 - 570 | 740 - 780 | 880 - 920 | 1020 - 1070 |
| Weight (kg) | 250 | 500 - 750 | 500 - 1000 | 750 - 1000 |
| Winding Direction | <div> <div>Unwinding Anticlockwise</div>  <div>Unwinding Clockwise</div>  </div> | | | |
| TYPE 2 | Coil Dimensions | | | |
| Outer Diameter (D) (mm) | 800 - 1100 | <div>L: Unwinding Left</div>  | | |
| Inner Diameter (d) (mm) | 580 - 620 | | | |
| Height (h) (mm) | 600 or 750 | | | |
| Weight (kg) | 1000 - 2600 | | | |



we add
value to
wire with
our brand
ARZINCAL®
[Zn95Al5]



Rating: 3 = standard = Hot Dip Galvanized



Galfan

Arzincal® is a zinc-aluminium alloy coating that provides excellent corrosion protection and forming properties compared to traditional zinc coating”

ARZINCAL® Zn95Al5 HIGH CORROSION RESISTANT STEEL WIRE



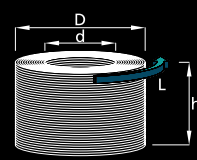
QUALITY

EN10244-2, ASTM A641/A 641M-03 and other international norms

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| Height (h) (mm) | 600 or 750 | | | |
| Weight (kg) | 1000 - 2600 | | | |



QUALITY

EN50189, ASTM B498 and other international norms

STEEL CORE WIRE FOR ACSR

your
global
trading
partner



CABLE ARMOURING WIRE FOR LAND CABLES AND SUBMARINE CABLES





QUALITY

EN10257-1/2 and other international norms



SPRING WIRE

QUALITY

EN10270-1

TECHNICAL SPECIFICATIONS

| DIAMETER (mm) | SL (N/mm ²) | SM (N/mm ²) | SH (N/mm ²) |
|---------------|-------------------------|-------------------------|-------------------------|
| 1,20 - 3,80 | 1340 - 1900 | 1550 - 2140 | 1750 - 2380 |

COATING

| | |
|----------------|--|
| PHOSPHATING | The wire is treated in a solution so that a layer of posphated metal forms on its surface. |
| GALVANISING | The surface is coated in a layer of zinc. |
| ZINC-ALUMINIUM | The surface is coated in a layer of ZN 95 / Al 5(%) |



Right choice
good results



SOME END USE OF GALVANIZED WIRE

*GALVANIZED
PANELS*

BARBED WIRE

RAZOR WIRE

*CHAINLINK
FENCES*

*BRIDGE CABLE
WIRE*



BIKE WHEELS

GALVANIZED
HANDLES



SPRING
WIRE



GABION



*and
wire
you
desire...*

BLACK ANNEALED WIRE

QUALITY

SAE 1006, TS EN 10218-1-2

TECHNICAL SPECIFICATIONS

| DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) |
|---------------|---------------------------------------|
| 0,90 - 8,00 | max. 450 |



OILED BAILING WIRE

QUALITY

SAE 1006, TS EN 10218-1-2

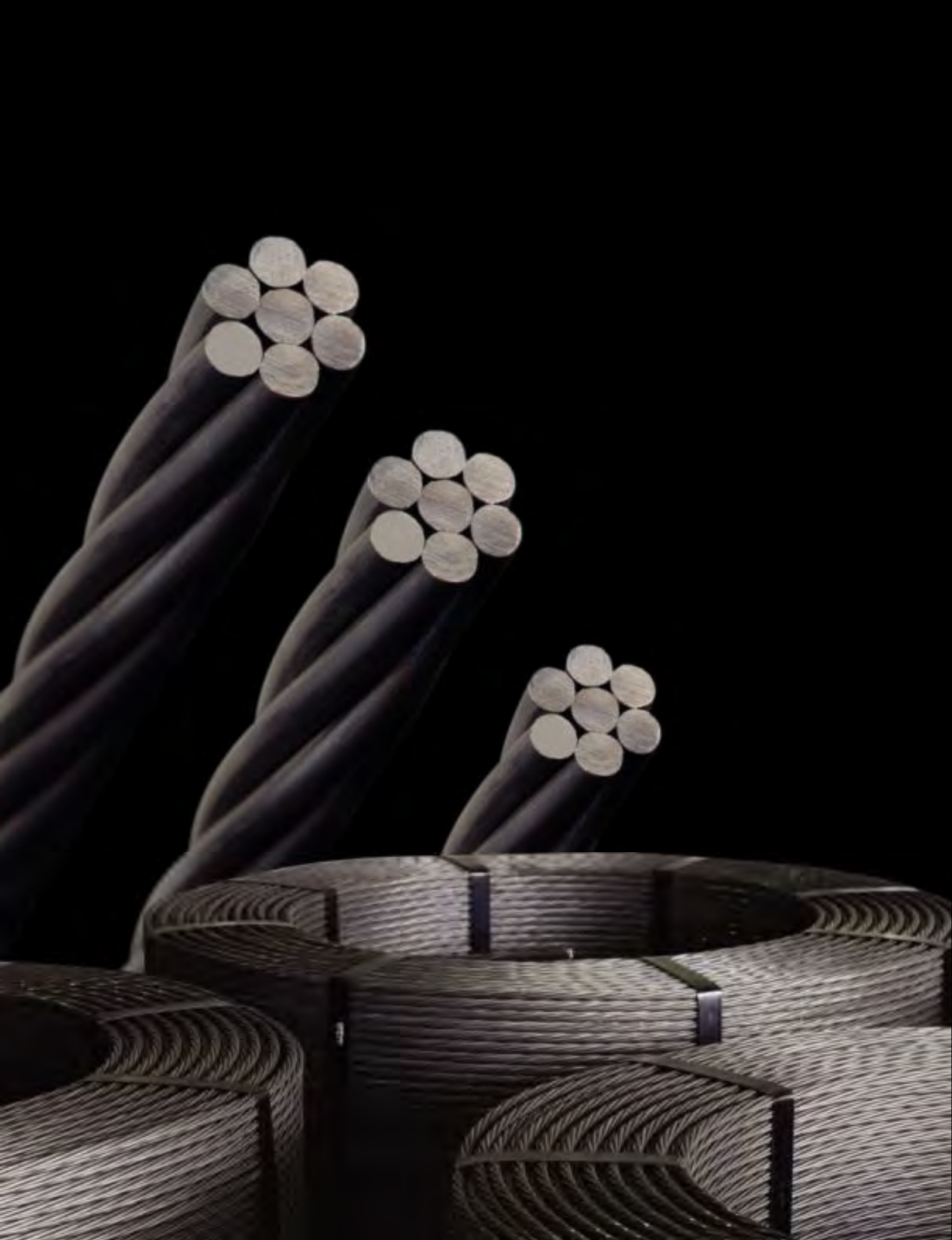
TECHNICAL SPECIFICATIONS

| DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) |
|---------------|---------------------------------------|
| 1,70 - 3,50 | max. 450 |





harmony of wires



PC STRAND: PRESTRESSED CONCRETE STRAND

QUALITY

EN10138-3, ASTM A416A / 416M, BS 5896, ABNT NBR 7483, TS 5680

TECHNICAL SPECIFICATION

| DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) |
|---------------------------------|---------------------------------------|
| 3/8" (9.3 mm) - 7/10" (17.8 mm) | 1860 |

PACKAGING SIZE & TYPE

| PACKAGE SPECIFICATION | COIL SIZE |
|--------------------------|-------------|
| Inner Diameter (ID) (mm) | 800 or 900 |
| Traverse (mm) | 750 |
| Weight (kg) | 2500 - 4000 |
| Lay Direction | S or Z |





SOME APPLICATIONS FIELDS OF PC STRAND



PREFABRICATED STRUCTURE ELEMENTS

Rafter



PC BEAM BRIDGE

Slabs of small-scale bridges



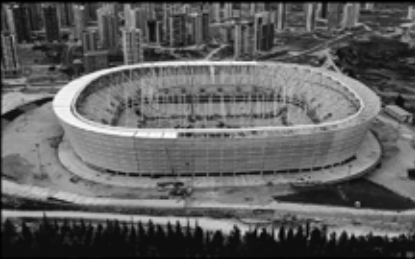
SLAB AND BEAM REINFORCEMENT

Places where large spaces are required with less pillars such as airport, library and department store



NUCLEAR POWER PLANT

Domes of nuclear power plants



STADIUM

Stands and floor reinforcement of stadiums
PC Strands are also used for supporting roof structures



SILLO

adding
power to wire





PC WIRE: PRESTRESSED CONCRETE WIRE

QUALITY

EN10138-2, TS 3721, ASTM A421/A421M, BS 5896

TECHNICAL SPECIFICATION

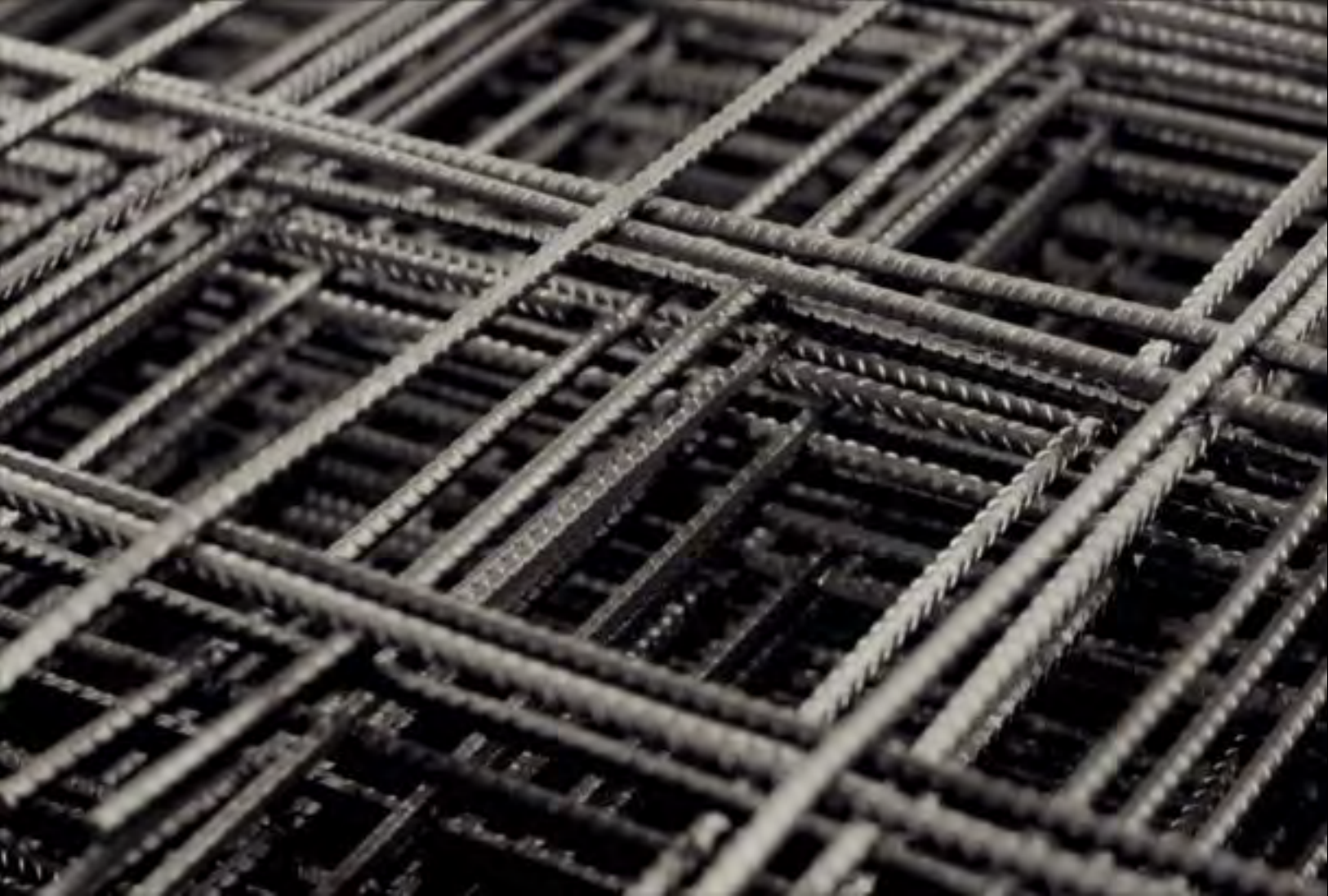
| DIAMETER (mm) | TENSILE STRENGTH (N/mm²) |
|---------------|--------------------------|
| 3-5 | 1860 |
| 5-6 | 1770 |
| 7 - 8 | 1670 |
| 9,4-10 | 1570 |

PACKAGING SIZE & TYPE

| PACKAGE SPECIFICATION | COIL SIZE | BAR |
|-----------------------------|-------------|-------------|
| Inner Diameter (ID) (mm) | 1500 - 1800 | - |
| Outer Diameter (OD)/L. (mm) | 1900 - 2200 | 2000 - 5000 |
| Weight (kg) | 1200 - 1500 | 2000 - 5000 |







WELDED WIRE MESH

QUALITY

TS 4559, DIN 488, BS 4483, ASTM 185 and other international norms

TECHNICAL SPECIFICATION

| DIAMETER (mm) | MESH SIZE (mm) | TENSILE STRENGTH (N/mm ²) |
|---------------|----------------|---------------------------------------|
| 3,80 - 11,00 | 50 - 400 | min. 550 |



PANEL MESH

QUALITY

TS EN 10223-4 and other international norms

TECHNICAL SPECIFICATION

| DIAMETER (mm) | MESH SIZE (mm) | TENSILE STRENGTH (N/mm ²) |
|---------------|---|---------------------------------------|
| 3,50 - 10,00 | 50 x 50, 75 x 75, 75 x 100, 75 x 150, 100 x 100, 100 x 150 | 450 - 650 |

DEFORMED BARS

QUALITY

DIN 488, ASTM 185 and other international norms

DIMENSION and PROPERTIES

| WIRE DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) |
|--------------------|---------------------------------------|
| 3,80 - 11,00 | 550 |



BRIGHT WIRE

QUALITY

EN 10263-1 and other international norms

DIMENSION and PROPERTIES

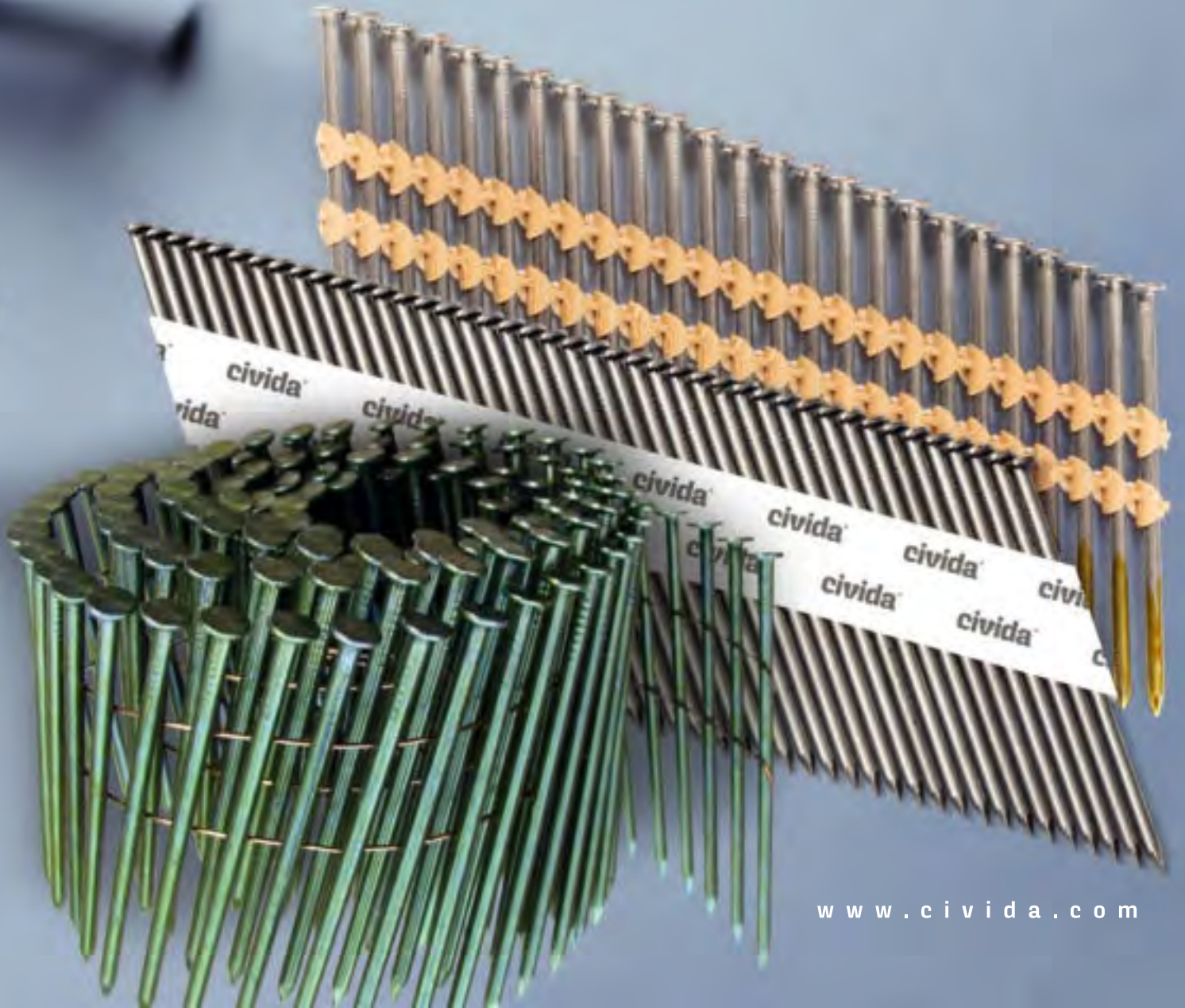
| WIRE DIAMETER (mm) | TENSILE STRENGTH (N/mm ²) |
|--------------------|---------------------------------------|
| 2,00 - 5,00 | 500 - 850 |



civida®

After more than 25 years of experience in wire industry,
Güney Çelik made investment in fastener industry
with new brand, civida.

Civida is starting with collated nails and machine quality bulk
nails. In coming years, screws, brads and packaged nails are
to be added to our products.



www.civida.com

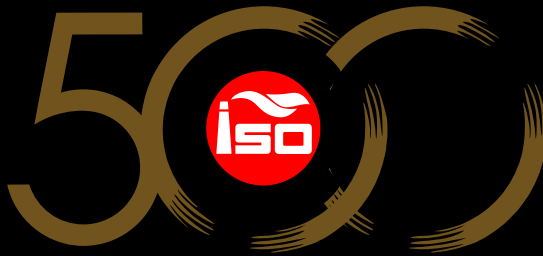


Test
TS EN ISO/IEC 17025
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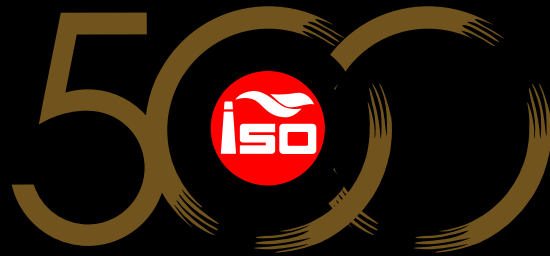


TURKEY'S



TOP ENTERPRISES

TÜRKİYE'NİN



BÜYÜK SANAYİ KURULUŞU





the wire you trust







arsan

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