



Steel Wire Ropes & End Fittings Equipments

Membrane structure systems are constructed using light membranes that act as both carrier and cover, which take shape (balance form) according to the prestretching force created by the asymmetric pulling force rather than the pressure.

The membrane used as a covering material differs according to the loads to be exposed and the external factors, thickness, fiber structure and coating properties.











### **ADVANTAGES**

Light
Flexible
Lower costs
Aesthetic
Can be disassembled,
Portable

### **USAGE AREAS**

Bar Canopies
Entrance Canopies
City Park Canopies
Walkways Canopy
Pool & Tennis Court Closures
Carparks
Market Places
Restaurant Canopies
Stage Closures
Terrace Canopies
Tribune Closures
Airports



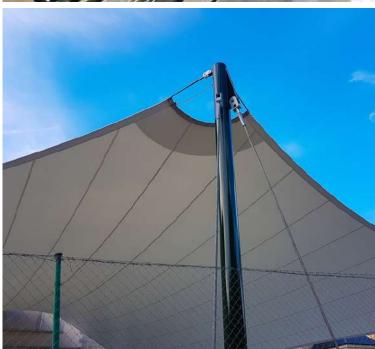


























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## **COMPANY PROFILE**

## **SNLTENSI**

SNLTensi Steel Wire Rope and Membrane Stretching Systems is a brand that was created in 2013 by blending the 40 years of manufacturing experience of the ŞENOL family and expert workforce & manufacturing ability. When implemented as a project, on sectoral basis, as well as the first of its kind in Turkey, started to serve the world market with the international certification and quality declarations it completed in a short time. At this point, it has become a direct or indirect stakeholder of more than 4000 domestic and 600 international projects, and has become a sought-after supplier of current projects.

SNLTensi has high level of experience in all areas of steel construction and membrane stretching systems, from production to design, from packaging to shipment, describes itself with an understanding of excellence. As SNLTensi, our goal is to combine production and design, technology and imagination in absolute quality point and to be at the top of the world of membrane structure systems.



## COMPANY PROFILE

We carry out our commercial activities, in own factory which in Tuzla Erdem Industrial Site with 1000 m2 area and in our logistics center and warehouse in Tuzla.

We keep standing lightweight structures with our over 40 years experiences in manufacturing industry. High quality production standarts are indispensable issues. our products are exist in 3 continent with uncountable projects done by internatinal standarts. Project based designs complete lightweight structures and huge honor for us signed by "Made In Turkey".







SENOL MAKINA brand



## CONTACT DETAILS

### **STORE**

Address: Orta Mah. Olcay Sk. No:6 Tuzla, İstanbul / TÜRKİYE 34956

Phone: +90 216 593 43 43

Fax: +90 216 304 05 39

Email: export@snltensi.com Website: www.snltensi.com

## **FACTORY**

Address : Erdem San. Sit. B4 Blok Tepeören, Tuzla, İstanbul / TÜRKİYE 34956

Phone: +90 216 304 05 40

Fax: +90 216 304 05 39

Email: factory@snltensi.com





## 1.Steel Wire Ropes





Multi-Strand Ropes (6x19)



Monotron Ropes 1x19 - 1x37 - 1x61



Locked Coil Ropes

## **Multi-Strand Ropes:**

Multi-strand steel ropes are complex products that serve to convey tensile and tensile forces in systems according to the area used. These products consist of wires of varying diameters and working in conjunction with each other, due to their geometric designs due to their construction suitable for their intended use and purpose. They work with reel and drum systems. Multi-strand steel ropes are produced as WS, Seale, Standart, Filler, Warrington class ropes, which are general purpose ropes under TS EN 12385.





### Monotron Ropes:

Monotron steel ropes are one of the hardest ropes in multi-strand steel ropes. They are galvanized covered and single strand ropes. Wires conforming to EN10264 are used in the produced monotrons and galvanized coating is made according to EN 10244. It is used in construction, architectural projects, bridges and general engineering. These ropes are used in long distance works. Rope standard is TS EN 12385-10.

## **Locked Coil Ropes:**

Compact ropes have a higher load carrying capacity than standard ropes of the same diameter. These ropes come into contact with the roller surfaces in a wider area and their wear is less and their lifetime is longer. There is no oil leakage and water or particle ingress in these ropes.





## 2. Wire Fitting Equipments



THREADED STUD



WIRE ROPE ENDING FORK



WIRE ROPE ENDING EYE



TURNBUCKLE PIPE TYPE



FORK STUD TURNBUCKLE



EYE STUD TURNBUCKLE



STUD STUD TURNBUCKLE



US TYPE
TURNBUCKLE



OPEN TYPE SOCKET



CLOSED TYPE SOCKET



U TYPE HIGH TENSILE SHACKLES



OMEGA TYPE HIGH TENSILE SHACKLES



Our products are produced accredited to European Standarts and have confirmed CE certificates by TÜV Austuria Türk.





#### CERTIFICATE OF CONFORMITY

Certificate - No.: 16-PS-0045-TAT-21-MAD-2849

Applicant SENOL MAKINA SAN, VE TIC, LTD, STI. Evliya Çelebi Mah. Ümmet Sok. No: 19 TUZLA ISTANBUL TURKEY

Product WIRE ROPE ENDINGS

Type/Model(s) # Fork Socket (10-40mm) #

# Stud(6-40mm) # # Eye socket (10-40mm) #

Standard(s) /

Certification Basis 2006/42/EC Machinery Directive

EN ISO 12100:2010

This Certificate of Conformity is issued on a voluntary basis according to Machinery Directive 2006/42/EC. It conforms that the listed equipment complies with the essential safety requirements of the directive. It refers only to the sample and its technical file submitted for conformity assessment

**Test Report No** 16-PS-0045-IR-003

First Issue Date 15.04.2016-16-PS-0045-TAT-16-MAD-0360

Renewal Date **Expiry Date** 09.07.2022

After preparation of the necessary technical documentation as well as the declaration of conformity the required CE marking can be affixed on the product. Other relevant

This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TÜV Austria Turk. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid.

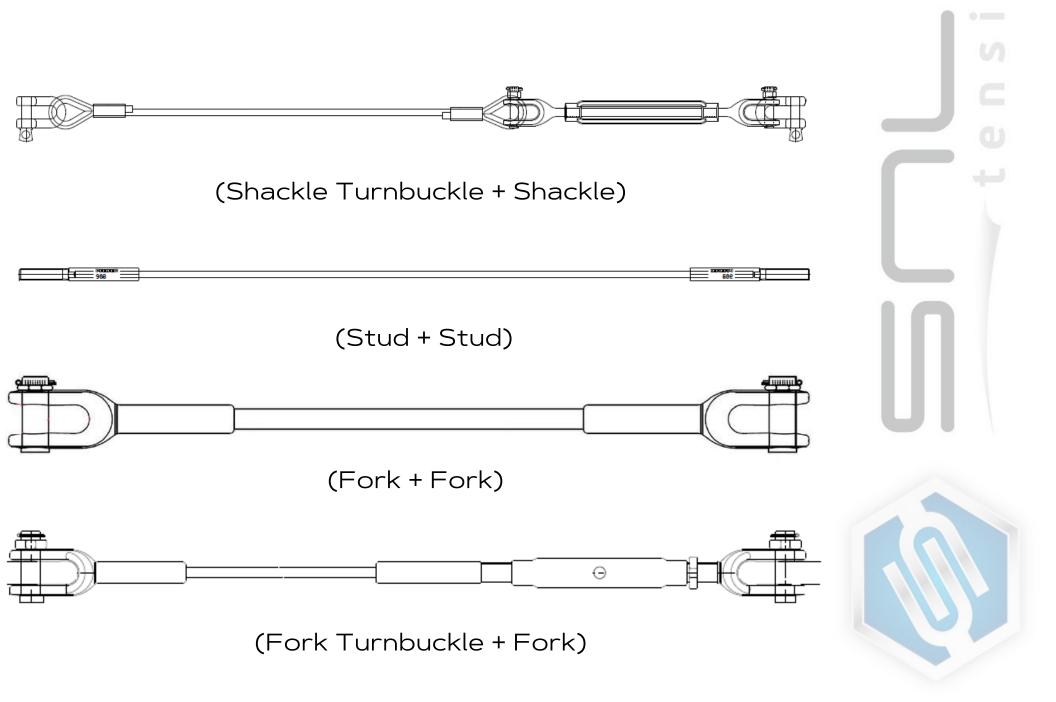
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TOW AUSTRIA TURK







## 3. Special Solutions for Special Needs

Additionally to our standard productions, we serve the industry with our special manufacturing solutions made considering customer demands or project requirements.













## 4.Design and Drawing

All actions that solve a problem for the future and a purpose, planning and shaping for the desired goal are included in our design process.











## 5.Production



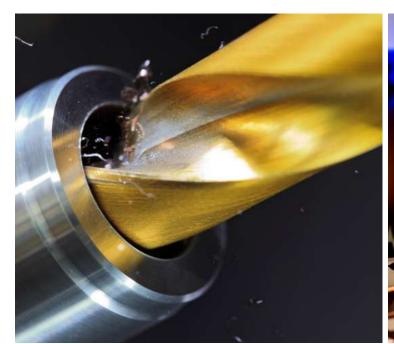












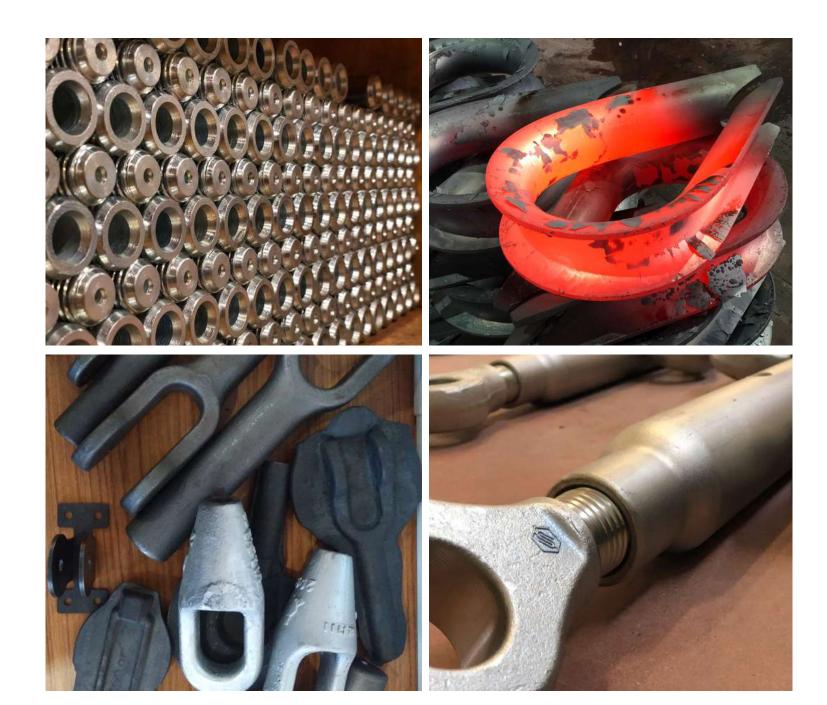




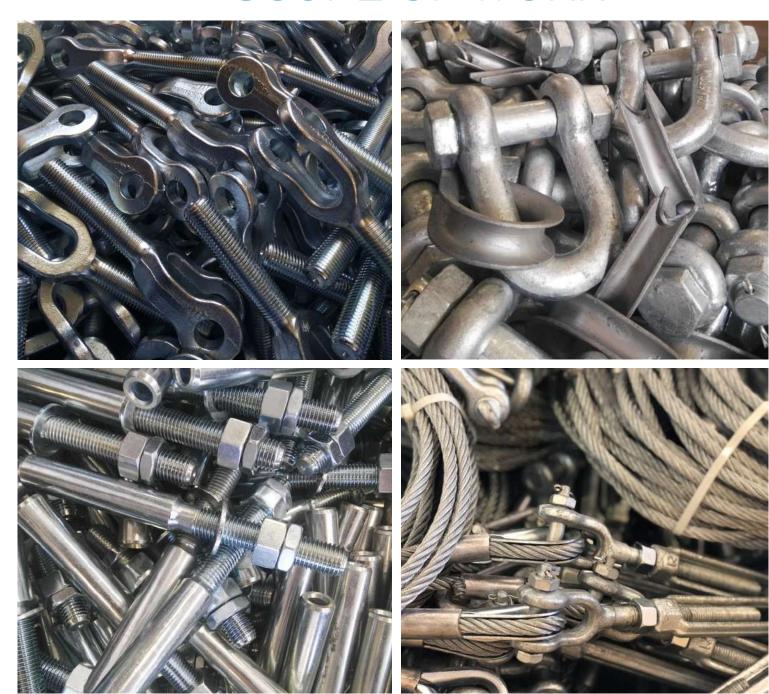














### 6.End Fittings Operations

#### TS EN 13411-3

Terminations for steel wire ropes - Safety - Part 3: Ferrules and ferrulesecuring

This European Standard specifies the minimum requirements for ferrulesecured eye terminations for steel wire ropes using ferrules made of steel or aluminium.

#### TS EN 13411-4

Terminations for steel wire ropes - Safety - Part 4: Metal and resin socketing

This standard covers minimum rules for molten metal and resin bonded steel wire ropes according to EN 12385 Part 4 to Part 10.

### TS EN 13411-8

Terminations for steel wire ropes - Safety - Part 8: Swage terminals and swaging

This European Standard covers the manufacturing and type test requirements for swage terminals and the securing of such terminals to carbon and stainless steel wire ropes by a swaging process.



















## 6.Pre-Strecthing and Load Test Operations

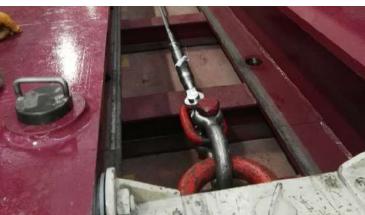
### 6.1.Pre-Strecthing

Pre-stretching is the bring of permanent stresses on a structure before or at the same time as external loads are applied.

A pre-stretching should be applied in order to give carrier feature to the membrane systems. Thus, membrane system structures become easy before assembly.













### 6.2.Load Test Operations

In our own manufacturing TSE calibrated 450t capacity test bench, our test machine has 450 t max. load test, calculating elongation of test sample, one touch hydraulic control covers, reach by online, touchscreen control system.



















### 7. Applied Standarts

#### FERRULE SECURED FOR WIRE ROPE

2006/42/EC Machinery Directive EN ISO 12100:2010 EN 13411-1+A1:2008 EN 13411-2:2001+A1:2008 EN 13411-3+A1:2008 EN 13411-4:2011

#### HYDRAULIC SWAGING MACHINE

2006/42/EC Machinery Directive 2014/30/EU Electromagnetic Compatibility Directive EN ISO 16092-1:2018

EN ISO 13849-1:2015

EN ISO 4413:2010

EN 60204-1:2018

EN 61000-6-2:2019

EN 61000-6-4:2007/A1:2011

#### WIRE ROPE ENDINGS

2006/42/EC Machinery Directive EN ISO 12100:2010 EN 13411-8:2011

#### **CLOSSED BODY RIGGING SCREWS**

2006/42/EC Machinery Directive EN ISO 12100:2010 EN 1677-1:2000+A1:2008





## ORGANIZATION CHART





ASSISTANT GENERAL MANAGER

**FACTORY RESPOSIBLE** 

**FOREMAN** 

**TURNER** 

**WELDER** 

MAINTENANCE AND REPAIR

**FIELDER** 

**CNC OPERATOR** 

**CLEANING STAFF** 

GENERAL COORDINATOR

CORPORATE SALES
REPRESENTATIVE

SALES REPRESENTATIVE

PROJECTS REPRESENTATIVE

PROJECTS ENGINEER

**ACCOUNTANCY** 

FRONT ACCOUNTING

**CLEANING STAFF** 

WORKSHOP FOREMAN

METAL WORKS TECHNICIAN

METAL WORKS
TECHNICIAN

TEST OPERATOR

RESPONSIBLE FOR THE SHIPMENT





## BANK DETAILS

**COMPANY NAME: SENOL MAKINA SAN VE TIC LTD STI** 

ADRESS: ORTA MH. ERDEM SAN SIT B4 BLOK TUZLA, ISTANBUL -

**TURKIYE** 

PHONE: +90 216 593 4343 EMAIL: export@snltensi.com

BANK: TÜRKİYE İŞ BANKASI BRANCH: TUZLA TERSANE

**BRANCH CODE: 1272** 

**USD ACCOUNT NO: 0063583** 

USD IBAN: TR67 0006 4000 0021 2720 0635 83

EURO ACCOUNT NO: 0063579

EURO IBAN: TR78 0006 4000 0021 2720 0635 79

**SWIFT CODE: ISBKTRIS** 

**BANK: KUVEYT TURK KATILIM BANKASI AS** 

**BRANCH: TUZLA ICMELER** 

**BRANCH CODE: 261** 

USD ACCOUNT NUMBER: 836062-103

USD IBAN NO: TR47 0020 5000 0008 3606 2001 03

EURO ACCOUNT NUMBER: 836062 - 104

EURO IBAN NO: TR20 0020 5000 0008 3606 2001 04

**SWIFT CODE :KTEFTRIS** 





1.Manpower

### **SECTION**

PRODUCT DEPARTMENT

### **#OF EMPLOYEE**

1

FACTORY MANAGEMENT	3
PROJECT DEPARTMENT	2
FABRIC WORKS	11
SALES MARKETING DEPARTMENT	
ACCOUNTING DEPARTMENT	2





## 2. Machines & Equipments

SECTION	QUANTITY
Exantric Press	1
Friction Press	1
Rotary Stove	1
Square Stove	1
Twisting Machine	1
Grinding Machine	1
Vertical Hydraulic Press	1
Horizontal Hydraulic Press 1	





Bandsaw	2
Welding Machine	3
CNC Turning	1
Machining Centre	1
Thread Rolling Machine	1
Milling Machine	1
Tapping Machine	1
Rovelver	1
Lathe	3
Jpright Drilling Machine	3





Sleeve Guide Draving Machine	
Tensile Test Machine	1
Packaging Machine	1
Stacking Machine	1
Overhead Crane	3
Electric Chain Hoist	1
Electric Crane	2





3.Buildings

**SECTION** 

Manufacturing Area

Store

**QUANTITY** 

1000 m2

2000 m2





## **QUALITY SYSTEM**





TS EN ISO 9001:2015 Yönetim Sistemi

ŞENOL MAKİNA SAN. VE TİC. LTD. ŞTİ. Orta Mahalle Olcay Sokak No:6 TR-34956 Tuzla/İSTANBUL

Yukanda belirtilen kuruluş TÜV AUSTRIA CERT prosedürlerine göre standart şartlarını karşıladığını kanıflamıştır.

Kapsam

Çelik Halat ve Zincir İçin Bağlantı Elemanları, Yük Kaldırma ve Gerdirme Malzemelerinin Üretimi ve Satışı

Sertifika Kayıt No: 20100203010139

2022-03-21 tanhine kadar geçerlidir.

Belgelendirme Kuruluşu TÜV AUSTRIA CERT GMBH

Viyana, 2021-03-22

Belgelendirme TUV AUSTRIA CERT tetkik ve belgelendirme prosedürlerine uygun olarak gerçekleştirilmiştir ve düzenli gözetlin denetimlerine tabidir. Sertlirka geçerliik periyodu 3 yıldır. TÜV AUSTRIA CERT GMBH Deutschstraße 10 A-1230 Wen www.tuv.at







CERTIFICADO | CEPTINDUKAT | SJL 1 証书 | 20番月



Management system as per TS EN ISO 9001:2015

In accordance with TÜV AUSTRIA CERT procedures, it is hereby certified that

ŞENOL MAKİNA SAN. VE TİC. LTD. ŞTİ. Orta Mahalle Olcay Sokak No:6 TR-34956 Tuzla/İSTANBUL

applies a management system in line with the above standard for the following scope

Production and Sales of Connection & Ending Parts for Steel Wire Ropes and Chains, Lifting And Stretching Materials.

Certificate Registration No. 20100203010139

Valid until 2022-03-21

Certification Body at TÜV AUSTRIA CERT GMBH

Vienna, 2021-03-22

This certification was conducted in accordance with TUV AUSTRIA CERT auditing and certification procedures and is subject to regular surveillance audits. The certificate period is 3 years. TUV AUSTRIA CERT CMBH Deutschstraße 10 A-1230 Wien www.tuv.at





049958-20





049957-20-1

## **QUALITY SYSTEM**

#### CE DECLERATION FOR WIRE SLINGS

#### CE DECLERATION FOR WIRE ROPE ENDINGS



#### CERTIFICATE OF CONFORMITY

Certificate - No.: 16-PS-0045-TAT-21-MAD-2848

Applicant ŞENOL MAKINA SAN. VE TIC. LTD. ŞTI.

Evliya Çelebi Mah. Ümmet Sok. No: 19 TUZLA ISTANBUL TURKEY

FERRULE SECURED FOR WIPE ROPE Product

Type/Model(s) # Standard Ferrule secured for wire rope#

# Soft eye type (6-64mm) #

# Flemish eye ferrule secured# # Soft eye type, thimble type (6-64mm) #

# Endless loop ferrule secured#

# Flemish eye type, endless loop ferrule secured type (6-64mm) #

# Metal and resin socketing wire pore type (6-64mm) #

Standard(s) /

Certification Basis

2006/42/EC Machinery Directive EN ISO 12100:2010 EN 13411-1+A1:2008 EN 13411-2:2001+A1:2008

EN 13411-3+A1:2008 EN 13411-4-2011

This Certificate of Conformity is issued on a voluntary basis according to Machinery Directive 2006/42/EC. It conforms that the listed equipment complies with the essential safety requirements of the directive. It refers only to the sample and its technical file submitted for conformity assessment.

Test Report No

First Issue Date 15.04.2016-16-PS-0045-TAT-16-MAD-0360

Renewal Date 09.07.2021 **Expiry Date** 09.07.2022

After preparation of the necessary technical documentation as well as the declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TÜV Austria Turk. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid.

TOV AUSTRIA TURK

Conformity\_MD Revision: 00 Date 26 08 2019

Excerpt pupilization only with permission of TÜV AUSTRIA TURK All testing inspection and surveillance activities were carried out in accordance with the GM system of TOV AUSTRIA TURK

Camin Man, likber Cert. Ding Sk. No 28 PK:34T74 (Imraniyo Islanbul / Yurkey Yel +90 SS7 06 11 E-Mait Infotunkay@tuv at



推樹



#### CERTIFICATE OF CONFORMITY

Certificate - No.: 16-PS-0045-TAT-21-MAD-2849

Applicant ŞENOL MAKİNA SAN. VE TIC. LTD. STI.

Evliya Çelebi Mah. Ümmet Sok. No: 19 TUZLA ISTANBUL TURKEY

Product WIRE ROPE ENDINGS

Type/Model(s) # Fork Socket (10-40mm) # # Stud(6-40mm) #

Standard(s) /

Certification Basis 2006/42/EC Machinery Directive

EN ISO 12100:2010

# Eye socket (10-40mm) #

This Certificate of Conformity is issued on a voluntary basis according to Machinery Directive 2006/42/EC. It conforms that the illade causiment complete with the essential safety requirements of the directive. It refers only to the sample and as bethincial file submitted for conforming assessment.

**Test Report No** 16-PS-0045-IR-003

First Issue Date 15.04.2016-16-PS-0045-TAT-16-MAD-0360

Renewal Date 09.07.2021 Expiry Date 09.07.2022

After preparation of the necessary technical documentation as well as the declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

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Carrole Main. Noor Call: Ding Sk. No.29 PK 34774 Day only 1 Tel +90 537 08 11 E-Mail inforcing



## **QUALITY SYSTEM**

#### CE DECLERATION FOR **TURNBUCKLES**

#### CE DECLERATION FOR **SWAGING MACHINES**



#### CERTIFICATE OF CONFORMITY

Certificate - No.: 16-PS-0045-TAT-21-MAD-2846

Applicant ŞENOL MAKINA SAN. VE TIC. LTD. ŞTI.

Evliva Celebi Mah. Ümmet Sok. No: 19 TUZLA ISTANBUL TURKEY

Product CLOSED BODY RIGGING SCREWS

Type/Model(s) # FORK&FORK (M18-M60) #

# FORK&STUD (M18-M60) # # EYE&EYE (M18-M60) #

Standard(s) / Certification Basis

2006/42/EC Machinery Directive

EN ISO 12100:2010 EN 1677-1:2000+A1:2008

This Certificate of Conformity is issued on a voluntary basis according to Machinery Directive 2006/42/EC. It conforms that the listed equipment complies with the essential safety requirements of the directive. It refers only to the sample and its technical file submitted for conformity assessment.

Test Report No 16-PS-0045-IR-002

First Issue Date 15.04.2016-16-PS-0045-TAT-16-MAD-0359

Renewal Date 09.07.2021 09.07.2022 **Expiry Date** 



After preparation of the necessary technical documentation as well as the declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TDV Austria Turk. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid.

TOV AUSTRIA TURK

CRT-AUD-101 Centrose of Excerpt duplication only with permission of TUs AUSTRIA TURK Conformity\_MD Revision: 00 Date 28:08:2019 ion and surveillance activities were accordance with the QM system of TOV AUSTRIA TURK





#### CERTIFICATE OF CONFORMITY

Certificate - No.: 16-PS-0045-TAT-21-MAD-2847

SENOL MAKINA SAN. VE TIC. LTD. \$TI. Applicant

Evliva Celebi Mah. Ummet Sok. No: 19 TUZLA ISTANBUL TURKEY

Product C-TYPE HYDRAULIC SWAGING MACHINE

Type/Model(s) # Crescent 150 # # Crescent 300 #

# Crescent 600 #

Standard(s) /

2006/42/EC Machinery Directive

2014/30/EU Electromagnetic Compatibility Directive EN ISO 12100:2010

EN 16092-1:2018 EN ISO 13849-1:2015 EN ISO 4413:2010 EN 60204-1:2018 EN IEC 61000-6-2:2019 EN IEC 61000-6-4:2019

This Certificate of Conformity is issued on a voluntary basis according to Machinery Directive 2006/42/EC. It conforms that the listed equipment complies with the essential safety requirements of the directive. It refers only to the sample and its technical file submitted for conformity assessment.

Test Report No 16-PS-0045-IR-004

15.04.2016-16-PS-0045-TAT-16-MAD-0361 First Issue Date

Renewal Date 09.07.2021 09.07.2022 **Expiry Date** 



After preparation of the necessary technical documentation as well as the declaration of conformity the required CE marking can be affixed on the product. Other relevant directives have to be observed.

This Certificate of Conformity has been granted to the applicant based on the results of testing performed by the applicant/manufacturer or an accepted laboratory and the consequent review of the test report by TÜV Austria Turk. Revisions to the referenced certification basis or any change of the design, materials, components or processing may require the repetition of all or some of the qualification tests in order for the test report and therefore this associated certificate to remain valid.

Conformity\_MD Revision: 00 Date 28:08:2019 Page 1/1

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All testing inopection and survivillation activities were carried out in accordance with the QM system of TÜV AUSTRIA TURK.

Imraniya Islanbul / Turkey Tel: +90 537 08 11 E-Mwil: infoturkey@tuv st



# SOME SPESIFIC REFERENCES

NO	PROJECT NAME
1	Bursa City Stadium
2	Mersin Stadium
3	Göbeklitepe Archeology Area
4	Israel Gedera Sports Hall
5	Adana City Hospital
6	Haydar Aliyev Amphitheatre
7	Kuwait Secondary School
8	Sakarya City Stadium
9	Dap Istmarina Kartal
10	King Halid Airport





## SOME SPESIFIC REFERENCES

11 Max Royal Tavole Bar North Ankara Landscape 12 Basra Control Center 13 İzmir Optimum Outlet 14 İzmir Outlet Center 15 16 Nigeria Abeokuta Mall Haliç Metro Bridge 17 Viaport Tuzla Marine 18 İstanbul Vialand AVM 19 20 İstanbul Viaport AVM





# SOME SPESIFIC REFERENCES

21	Aydın Archaeological Museum
22	Ankara University Ampitheater
23	Adana Çomu Business Center
24	Bahçetepe
25	Bandırma Shipping Port AVM
26	Başakşehir Hayat Park
27	Bodrum Sales Office
28	Cornelia Hotel
29	Sivas Camoluk
30	Maltepe Dap Car Park



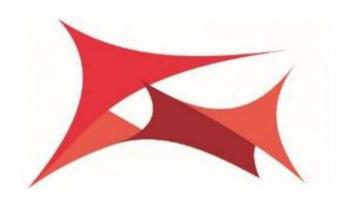


# ACADEMIC









Mitglied

IMS Bauhaus®

Archineer® Institutes e.V



# ACADEMIC











## **ACADEMIC**



Archineer ® Institutes e.V.

at Anhalt University of Applied Sciences, Germany



#### Membership Certificate Mitgliedsurkunde

The Archineer® Institutes e.V. awards the membership to

Der Archineer® Institutes e.V. verleiht die Mitgliedschaft an

#### Senol Makina San. ve Tic. Ltd. Sti.

Firma / Name, Vorname

Company / Surname, First name

and welcomes the new member in the institute.

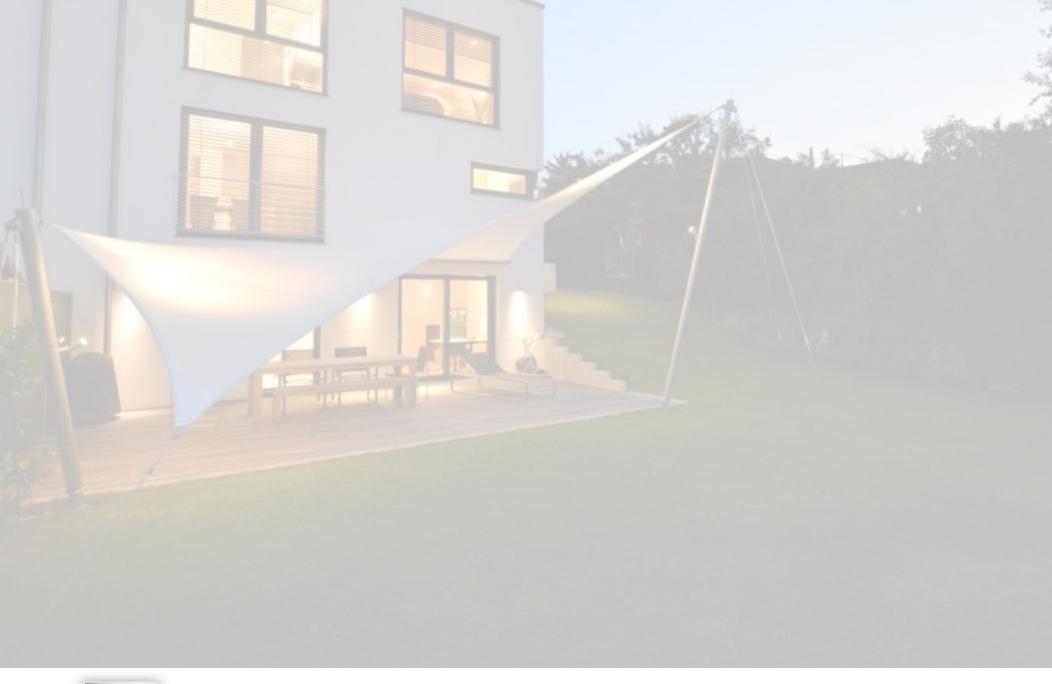
und heißt das neue Mitglied im Kreis des Institutes willkommen.

Dessau-Roßlau, 12.09.2019

Prof. Dr.-Ing. Robert Off Director Archineer® Institutes e.V.









Tel: +90 216 593 43 43 Mail: export@snltensi.com Web: www.snltensi.com