

RUBBER BROCHURE

HIGH-PERFORMANCE
RUBBER PRODUCTS



SUPERIOR SEALING
PERFORMANCE



INJECTION AND COMPRESSION
MOULDED MANUFACTURING.



GLOBAL STANDARD
QUALITY



SUSTAINABLE MATERIAL
SOURCING



**PERFORMANCE THAT
SEALS CONFIDENCE**

MANUFACTURING EXCELLENCE



ADVANCED
MANUFACTURING



CONSISTENT
QUALITY



IN-HOUSE R&D
EXPERTISE



BACKED BY
70+ YEARS LEGACY



RIGOROUS
QUALITY CHECKS



ISO
CERTIFIED



ENGINEERING THE FUTURE OF INDUSTRY

For over seven decades, Electrosteel Castings Limited (ECL) has built a legacy of engineering and manufacturing excellence. Recognized as one of India's leading manufacturers of Ductile Iron Pipes and Fittings, ECL has continuously diversified its capabilities in metallurgy and industrial solutions. Today, with operations spanning 130 countries and five continents, the company delivers innovative, high-quality products backed by advanced technology, robust manufacturing, and an unwavering commitment to excellence.

GLOBAL CERTIFICATIONS

Electrosteel's quality systems are certified to ISO 9001 and validated by globally recognized authorities.



TOP 3

Preferred DI Pipe
Producer Globally

70+

Years of
Excellence

130

Countries
Served

RUBBER GASKET OVERVIEW

ELECTROSTEEL CASTINGS LIMITED operates a state-of-the-art Rubber Products Manufacturing Plant at Punganur, Andhra Pradesh, producing Tyton Rubber Gaskets, Railway Moulded Rubber Products, and Industrial Rubber Components for critical applications with a strong focus on import substitution.

Driven by quality, we ensure reliable products through efficient logistics, competitive pricing, and ethical business practices, delivering exceptional value and customer satisfaction.

Backed by a skilled team of professionals, our products are designed and manufactured in compliance with international standards and stringent quality specifications.



Precise Sealing Geometry

Uniform bore profile, controlled compression zones & consistent wall thickness.



High Joint Reliability

Consistent sealing performance across push-fit, restrained & flexible joint applications.



Stringent Quality Assurance

Manufactured under precise dimensional specifications with BIS-licensed EPDM/NBR compounds.



Sustainable Engineering

Durable elastomer compounds extend service life and reduce replacements.

WHY CHOOSE ECL RUBBER

Backed by over **70 years** of engineering excellence, Electrosteel Industrial Rubber deliver world-class protection, and performance across diverse industrial applications.



INTERNATIONAL QUALITY STANDARDS

Consistent quality engineered to meet global industrial benchmarks.



ASSURED QUALITY. PROVEN RELIABILITY

Tested through advanced quality assurance systems and world-class testing equipment.



ADVANCED R&D & MANUFACTURING

Innovation-driven solutions supported by modern manufacturing infrastructure and technical expertise.



PREMIUM RAW MATERIALS

Carefully sourced, high-grade raw materials for enhanced durability and long-term performance.



EXCELLENT PERFORMANCE

Superior usage, and reliable performance across demanding environments.



TRUSTED GLOBAL APPROVALS

Approved by internationally recognized bodies, including WRAS (UK).



INNOVATION
DRIVEN



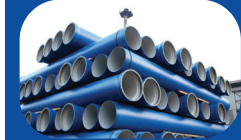
TRUSTED
WORLDWIDE



SUSTAINABLE
SOLUTIONS

MADE TO RESIST DESIGNED TO LAST

APPLICATION SECTOR



DI Pipe for Drinking Water and Sewage Application.



CI Pipe for Drinking Water and Sewage Application.



Railway Rubber Products

- Vestibule
- Elastomeric Pad

TESTING LABORATORIES

RAW MATERIAL TESTING FACILITIES

- Hot air Oven
- Muffle Furnace
- Sieve Analyser
- Kinematic Viscometer
- Melting Point Apparatus
- Microscope

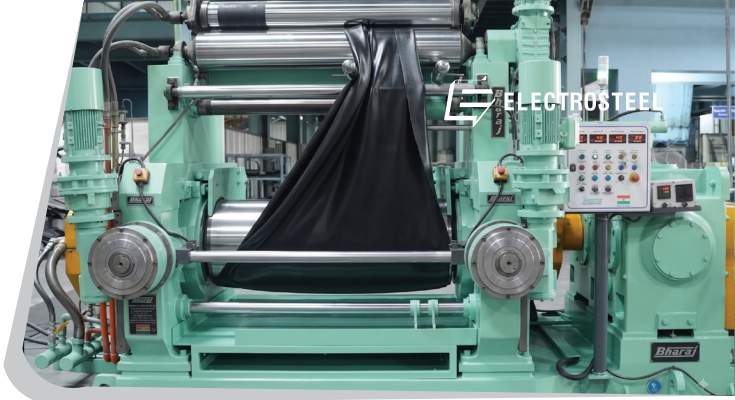


OTHER TESTING FACILITIES

- Mooney Viscometer
- Oscillating Disc Rheometer
- Universal Testing Machine
- Hardness tester
- IRHD Hardness tester
- Stress Relaxation Apparatus
- Specific Gravity Apparatus
- Abrasion Testing
- Flame Testing
- Lab Mixing Mill
- Lab Hydraulic Press
- Ageing Oven
- Cold Chamber
- Soxhlet & Distillation apparatus
- Ozone Chamber
- Extensometer
- Toxicity Testing
- Fatigue Testing
- Limiting Oxygen Index (LOI) Testing



RUBBER PRODUCTS



RUBBER PUSH-ON GASKETS		Our plant specializes in manufacturing high-quality rubber push-on gaskets designed to prevent leakage and ensure effective sealing in Ductile Iron (DI) Pipe joints fittings. Manufactured using premium-grade rubber materials, these gaskets are available in sizes ranging from 80 mm to 1200 mm, suitable for corresponding pipe diameters. Our products conform to leading industry standards such as IS 5382 and WRAS and our facility is ISO 9001 certified, ensuring consistent quality and performance.
MECHANICAL JOINT GASKETS (EPDM & NBR)		Our plant manufactures high-quality Mechanical Joint (MJ) Gaskets ranging from 50 mm to 1200 mm, suitable for DI Pipes and Fittings as well as CI Pipes and Fittings. The ECL-branded EPDM MJ gaskets are specifically designed for water, drainage, and sewerage pipelines, ensuring reliable performance and long service life. These gaskets are suitable for both underground and above-ground applications, providing excellent sealing and durability under varying conditions.
FLANGE GASKETS		Our plant manufactures flange Gaskets ranging from 80 mm to 1200 mm, designed for use with DI Flange Pipe. Flange gaskets are used to join, fit, and prevent leakage between two sections of a pipeline. We produce both standard and custom-designed flange gaskets, including ring type and full-face configurations, to meet diverse application requirements. These gaskets are made from EPDM rubber and are suitable for DIN Standard Flanges (PN 10, 16, 25, and 40), ensuring reliable sealing performance and long service life.

QUALITY ASSURANCE

Gaskets are made normally from EPDM rubber which has the following properties:



Heat
Resistant



Weathering
Resistant



Chloramine
Resistant



Antimicrobial
Resistant



UV
Resistant



Abrasion
Resistant

PLANT AND MACHINERY

Electrosteel Rubber Gaskets are engineered to deliver superior sealing performance, long-term durability and dimensional precision across a wide range of industrial environments and critical infrastructure applications.



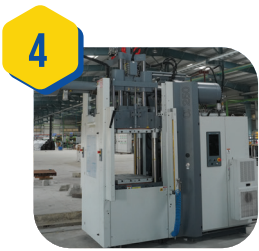
INTERMIX
Heavy-duty internal mixer that blends raw rubber, carbon black & chemicals uniformly, ensuring consistent compound quality and optimal dispersion for every batch.



DISPERSION KNEADER (75L)
High-shear kneading unit that achieves fine, uniform dispersion of fillers and additives, enhancing compound homogeneity and final product mechanical strength.



COMPRESSION MOULDING MACHINES
Precision hydraulic presses (150T-800T) that shape rubber compounds under controlled heat & pressure, delivering dimensionally accurate, defect-free gaskets across multiple sizes. The compression moulding machines are available in three platen sizes: 150T (750mm x 750mm), 400T (1000mm x 1000mm), and 800T (1500mm x 1500mm).



INJECTION MOULDING MACHINE
Automated high-precision moulding system that produces complex gasket profiles with tight tolerances, ensuring repeatable quality and higher production efficiency.



Our machines include



Mixing Mill
(6" x 42" up to
22" x 60")



2500 kVA
Power Supply



Chord
Auto Cutter



Bale Cutter-
Capacity-10T



Cooling
Conveyor



Cold & Hot
Feed Rubber
Extruders

REGIONAL OFFICES

SOUTH

148/150, Luz Church Road, Mylapore
Chennai - 600 004, Tamil Nadu

☎ 044 - 2467 4900

✉ swmarketing@electrosteel.com

WEST

B-707, Mahavir Icon, Plot No.89-90,
Sector 15, CBD Belapur
Navi Mumbai - 400 614

☎ 022 - 2756 1334

✉ eclmum@electrosteel.com

NORTH

B-47, Shiv Mahal Building, 2nd Floor,
Connaught Place, New Delhi - 110001

☎ 011 - 23412838

✉ ecldelhi@electrosteel.com

HEAD OFFICE

Electrosteel Castings Limited
GK Tower, 19, Camac Street,
Kolkata - 700 017, West Bengal, India

☎ +91 33 2283 9990 / +91 7103 4400

GLOBAL PRESENCE

ITALY

T.I.S. Service S.p.A.
Via Iago d'Iseo 4/6 24060 Bolgare, Italy

☎ +39- 0358354811

🌐 www.latis-service.com

CROATIA

T.I.S. ENGINEERING D.O.O.
Varaždinska Ulica, 1 - Odvojak 11 -
Jalkovec, 42000 Varaždin - Croatia

🌐 www.latis-service.com

GERMANY

Electrosteel Europe S.A.
Niederlassung Deutschland, Bruder-Kremer
Str. 665549 Limburg a.d. Lahn Germany

☎ +49 6442 9559340

🌐 www.electrosteel.de

UK

Electrosteel Castings (UK) Limited
Ambrose House, Trading Estate,
Broombank Road, Off Carrwood
Road, Chesterfield, Derbyshire,
S41,9QJ, United Kingdom

☎ +44 1246 264222

🌐 www.electrosteel.co.uk

BAHRAIN

Electrosteel Bahrain Trading WLL
Building No 966, Road 5218 Block 952,
Area Rus Zuwayed, Kingdom of Bahrain

☎ +973 17404791

🌐 www.electrosteel.com

UAE

Electrosteel Castings Gulf FZE
Office No. LB090201, Lob: 9, P.O Box 261462,
Jebel Ali Free Zone, Dubai, UAE

☎ +971 50 5928405

🌐 www.electrosteel.com

POLAND

T.I.S. POLSKA SP. Z O.O.
Ul. Oarowska, 30D 05-850 Oarów
Mazowiecki, Duchnice - Poland

☎ +48/22.483.56.00

🌐 www.latis-service.com

FRANCE

Electrosteel Europe S.A.,
Zone Industrielle Nord, 9, Rue Galilee,
F13200 Arles, France

☎ +334 90968130

🌐 www.electrosteel.fr

SPAIN

Electrosteel Sucursal En España
Calle Anabel Segura N° 11, Edificio
Albatros - A, Planta 4ª Modulo B2,
28108 Alcobendas (Madrid), Spain

☎ +34 91 564 73 29

🌐 www.electrosteel.com

USA

Electrosteel USA, LLC
421 Telfair Road, Savannah, GA-31415, USA

☎ +01 912-387-0613

🌐 www.electrosteelusa.com

QATAR

Electrosteel Doha For Trading L.L.C
P.O. Box 80368, Office No 502, 5th
Floor, AL Mansour Business Park,
Building No. 20, Zone 27, Street 950,
Umm Chuwailina, Doha, Qatar

☎ +974 50196226

🌐 www.electrosteel.com

SINGAPORE

Singardo International Pte. Ltd,
2, Kallang Avenue, #09-23 CT Hub,
Singapore - 339407

☎ +65 62945875

🌐 www.singardo.com.sg

TALK TO OUR RUBBER EXPERTS

Looking for rubber tailored to your needs?
Get in touch with our experts for product
information, technical guidance, and
business enquiries.

☎ +91 81210 24047

✉ rubber@electrosteel.com

🌐 www.electrosteel.com

PRODUCTION UNITS

Khardah

30, B. T. Road, Khardah,
P.O. - Sukchar, District.- 24 Parganas (N),
West Bengal, India. PIN - 700115

☎ +91 33 7101 4300 / 4450

BANSBERIA

VIII - Chak Bansberia, Saptagram Panchayat,
PO. - Adconagar, District - Hooghly, West
Bengal, India. PIN - 712121

☎ +91 62922 18028

HALDIA

VIII - Kasberia, P.O. - Shibramnagar, Haldia,
District- Purba Medinipur, West Bengal,
India. PIN - 721635

☎ +91 90832 80640 / +91 94340 95385

ELAVUR

12/72 GNT Road, P.O.- Elavur,
Taluk - Gummidipondi, District - Tiruvallur,
Tamil Nadu, India. PIN - 601201

☎ +91 44-67911800

PUNGANUR

27-5-114, Chowdepalli, Punganur
District- Chittoor, Andhra Pradesh,
India, PIN- 517641

☎ +91 8578 286650-55

SRIKALAHASTHI

VIII - Rachagunneri, Mandal-Srikalahasthi
District - Tirupati, Andhra Pradesh,
India, PIN 517641

☎ +91 8578 286650 - 55

ITALY

T.I.S. NUOVAL S.r.l.: Via Broletti,
20 - 38050 Castelnuovo (TN)

TURKEY

T.I.S. TURKEY SU TEKNOLOJLER
SAN. VE TC. A.:. 75. Yil OSB Mah. 2001 Cad.
Ofis Ve Iyeri No:22 Odunpazari/Eskiehird

UK

Electrosteel Castings (UK) Limited
Ambrose House, Trading Estate,
Broombank Road, Off Carrwood
Road, Chesterfield, Derbyshire, S41,9QJ,
United Kingdom

☎ +44 1246 264222

BAHRAIN

Electrosteel Bahrain Trading WLL
Building No 966, Road 5218, Block 952,
Area Rus Zuwayed, Kingdom of Bahrain

☎ +973 17404791



ONE SOURCE. ENDLESS SOLUTIONS.

Electrosteel Castings Limited offers a wide range of industrial solutions engineered for performance, protection and aesthetics across diverse industries and environments.

OUR PRODUCTS



DUCTILE
IRON PIPES



DUCTILE
IRON FITTINGS



VALVES



RUBBER
PRODUCTS



INOCULANT



CEMENT



PAINTS

...and more

Head Office

Electrosteel Castings Limited
GK Tower, 19, Camac Street, Kolkata - 700017,
West Bengal, India

+91 33 2283 9990 / 7103 4400

info@electrosteel.com

www.electrosteel.com

Punganur Rubber Unit

27-5-114, Chowdepalli, Punganur,
District- Chittoor, Andhra Pradesh,
India, PIN- 517641

+91 8578 286650-55

rubber@electrosteel.com

