

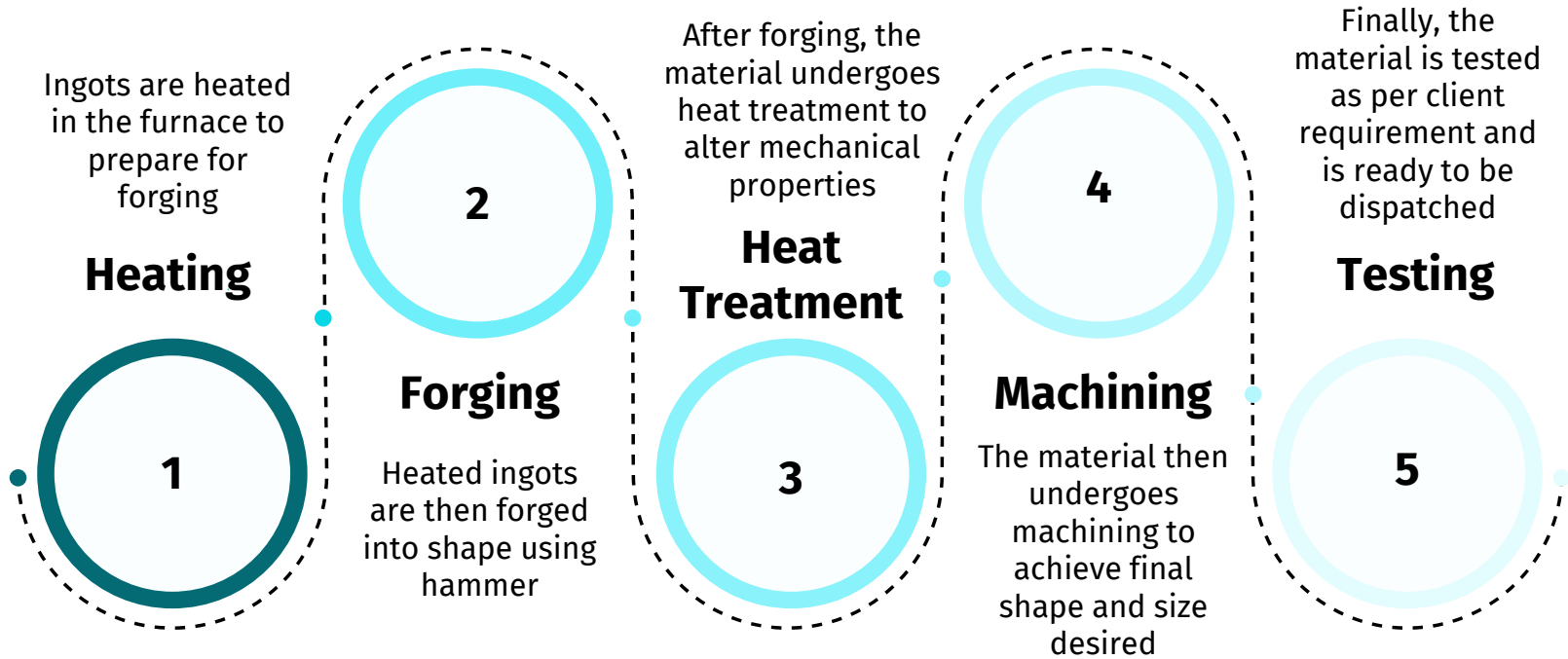
Hempel Forge Limited

Forging, Heat Treatment, Machining

Manufacturing company of Forged round bars, Square blocks, Rectangular blocks, Forged Plates and Sleeves/Rings.

Specialist in manufacturing of Alloys Steels, Austenitic Stainless Steels, Ferritic and Austenitic stainless steel, Martensitic Stainless Steels, Nickel Alloys Forgings and Low alloys Steels

Manufacturing Process



Industries Served

Power Generation

Steam & Gas,
Hydroelectric, Geothermal,
Wind, Nuclear

Oil & Gas

Upstream, Downstream,
Process Equipment

Gear, Transmissions & Bearings

Gears/Gear Boxes,
Transmission Bearings,
Ultra-Large Bearings



Mobility

Automotive, Industrial
Vehicles

Construction Equipment

Construction, Mining,
Tunneling

General Industry

Dies, Rolls, Agriculture,
Chemical Process
Equipment, Fluid Handling

Heating Facility



Oil Fired Box Type Furnace

Capacity = 10 Ton

No. of Furnace = 2

Dimension of the furnace = 3m x 3m x 3m

Heat Treatment Facility

Electrical Bogie Type Furnace

Capacity = 10 Ton- 1 No,- 1m x 1m x 6m

Capacity = 1 Ton- 1 No.- 1m x 1m x 1m



Gas Fired Furnace

Capacity = 10 Ton

No. of Furnace = 1

Dimension of the furnace = 1m x 1m x 6m



Open Die Forging Hammers



Hammer 1

Capacity = 10 Ton

Type: Steam Hammer

Maximum Stroke Height – 2000 mm

Hammer 2

Capacity = 0.5 Ton

Type: Pneumatic

Maximum Stroke Height – 500 mm



Material Handling Facility

Material Manipulator

Capacity = 10 Ton

No. of Furnace = 2

Dimension of the furnace = 3m x 3m x 3m

EOT Cranes

Capacity = 10 Ton – 6 Nos.

Capacity = 3 Ton – 1 Nos.



Machineries



Conventional Horizontal Lathe Machine

Conventional Horizontal Lathe Machine

Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 500 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 200 mm, Maximum Length - 1000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 1000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 1500 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 2000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 600 mm, Maximum Length - 2000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 300 mm, Maximum Length - 3000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 600 mm, Maximum Length - 3000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 3500 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 4500 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 400 mm, Maximum Length - 5000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 500 mm, Maximum Length - 5000 mm – 1 No

Horizontal Lathe machine – Maximum Dia – 500 mm, Maximum Length - 6000 mm – 1 No

Machineries

Vertical Turning Lathe Machine

Capacity = Max Dia 1200mm, Max Height 500mm

Nos. = 1



Vertical Machining Centre

Table Size = 1050 x 450 mm

X-axis = 800mm, Y-axis = 440mm, Z-axis = 490mm



Machineries

Cutting Machines

Cutting Machine 1 - Max Dia 770 mm

Cutting Machine 2 - Max Dia 850 mm

Cutting Machine 3 - Max Dia 220 mm

Cutting Machine 4 - Max Dia 250 mm



Machineries

Horizontal CNC 1

Swing Over Bed - 510 mm
Chuck Dia - 210 mm
Max Turning Dia - 320 mm
Max Turning Length - 690 mm



Horizontal CNC 2

Swing Over Bed - 680 mm
Chuck Dia - 300 mm
Max Turning Dia - 470 mm
Max Turning Length - 1200 mm



Certifications

ISO 9001:2015, PED, IRS for Marine Forged Components

ZERTIFIKAT ♦ CERTIFICATE ♦ CERTIFICADO ♦ CERTIFICAZIONE ♦ CERTIFICATE

CERTIFICATE



The Certification Body
of TÜV SÜD South Asia Private Limited
certifies that



HEMPEL FORGE LIMITED
Block No. 156, Village - Vasna Margiya,
Opposite, G.G.S.O.N.G.C., Near Bidaj Farm,
Taluka & District: Kheda - 387120, Gujarat, INDIA

has implemented Quality Management System
in accordance with ISO 9001:2015
for the scope of

**Manufacturer and supply of
forged and Machined components,
Marine forged Components for stainless steel, carbon steel,
titanium alloy, alloy steel, duplex steel & nickel alloy grades.**

The certificate is valid from **2022-01-12** until **2024-02-16**

Subject to successful completion of annual periodic audits
The present status of this certificate can be obtained through TÜV SÜD website by scanning below QR code and by
entering the certificate number (without spaces) on web page. Further clarifications regarding the status & scope of
this certificate may be obtained by consulting the certification body at info@tuvindia.com

Certificate Registration No. **99 100 18330**

Date of Initial certification: **2016-02-17**

Issue Date: **2022-01-12** Rev. 01

Prakash

Rahul Kale
Head of Certification Body
of TÜV SÜD South Asia Private Limited,
Mumbai
Member of TÜV SÜD Group



TÜV SÜD South Asia Pvt. Ltd. • TÜV SÜD House • Sakinaka • Andheri (East) • Mumbai - 400072 • Maharashtra • India

Certificate

Quality-Assurance System
for Manufacturer of Materials
acc. to Directive 2014/68/EU

Certificate no.: **01 2627 IN/M 1-21009.00**

Name and address
of the manufacturer:

Hempel Forge Ltd
Block. No 156, vill: Vasna Margiya, opp
G.G.S.O.N.G.C. Nr. Bidaj Farm
Tal&Dist: Kheda -38712
India

Herewith we certify that the material manufacturer has
established and applies a Quality Management System.
The system was audited according to the European
Directive 2014/68/EU, Annex I, point 4.3, with regard
to the materials as listed in the scope of approval

Tested acc. to
Directive 2014/68/EU:
Assessment report no.:

**QM System acc. to EN 764-5, Clause 4.2 and AD
2000-Merkblatt W0**
146621182 Rev 0

Area of validity:

Manufacturer of hot Forgings for Rings, Round bars and
Flanges (Weld neck & Blind flanges)
see Annex to certificate

Manufacturing plant:

Hempel Forge Ltd
Block. No 156, vill: Vasna Margiya, opp
G.G.S.O.N.G.C. Nr. Bidaj Farm
Tal&Dist: Kheda -38712

Period of validity:

27.01.2022 – 26.01.2025

Zabrze, 27.01.2022

TÜV Rheinland Polska Sp. z o.o.
Certification Body for Manufacturer/Manufacturers
ul. Wolskiej 347, 41-802 Zabrze, Poland
e-mail: post@tuv.com

Wojciech Szalek
Wojciech Szalek



TS-MS-0028204 rev. 2

www.tuv.com

TÜVRheinland
Precisely Right.



Indian Register of Shipping

Certificate No.: 2022WAQC017

WORKS APPROVAL CERTIFICATE

This is to certify that based on the existing manufacturing facilities and satisfactory assessment of manufacturing and
quality control procedures by our Surveyors, the name of

Hempel Forge Limited,
Block No. 156, Village - Vasna Margiya,
Opposite, G.G.S.O.N.G.C., Near Bidaj Farm,
Taluka & District: Kheda - 387120, Gujarat

is included in the list of approved works in accordance with the relevant requirements of rule(s)/standard(s)/code
described below:

WORKS TYPE : FORGESHOP
PRODUCT TYPE : Carbon and Alloy Steel Forgings
APPLICABLE RULE(S)/STANDARD(S)/CODE: IRS Rules and Regulations for the Construction &
Classification of Steel Ships, July 2021
SCHEDULE OF APPROVAL : SEE ANNEXURE I

This Certificate is valid until: **12/05/2027**

PLACE OF ISSUE: MUMBAI

DATE OF ISSUE: 13/05/2022

LOCAL SURVEY OFFICE: MUMBAI

FOR, INDIAN REGISTER OF SHIPPING



Prakash
Prakash Patil
Sr. Principal Surveyor

This Certificate is based upon the following terms and conditions as laid down in the Society's Regulations:
1. The Indian Register of Shipping, a Certification Society, along with its subsidiaries and associates, (hereinafter referred to as the 'Society') and its Board/Committee uses their best
endeavours to ensure that the functions of the Society are properly carried out, in providing services, information or advice under the Society nor any of its agents or experts warrants the
accuracy of any information or advice supplied. Except as set out herein neither the Society nor any of its agents or experts in behalf of whom the Society has agreed this contract
shall be liable for any loss, damage or expense whatsoever sustained by any person due to any act or omission or error of whatsoever nature and however caused of the Society, its agents
or experts or due to any inaccuracy of information received and transmitted or advice given by or on behalf of the Society, even if such loss, damage or expense is caused
in whole or in part by a breach of warranty. Nevertheless, if any person uses services of the Society, or relies on any information or advice given by or on behalf of the Society and suffers loss, damage
or expense thereby which has not been caused or contributed to by any negligence or omission on the part of the Society, its agents or experts or any negligent transmission of information or advice given
by or on behalf of the Society then the Society will accept compensation to such person for his proved loss up to but not exceeding the amount of the fee charged by the Society for that
particular service, information or advice.
2. Any notice of claim for loss, damage or expense, as referred to above, shall be made in writing to the Society's Head Office within six months of the date when the service, information or
advice was first provided, failing which the right to any such claim shall be forfeited and the Society shall be released and discharged from all liability.



Grades

We can process any kind of Carbon, Low, Medium & High Alloy Stainless Steel

General Engineering Grades:

C35/35C8, C40/EN8, EN19/42CrMo4, EN24, ASTM A182 F22, ASTM A182 F11, ASTM A182 F22, ASTM A182 F91, AISI 4130

Boiler and Pressure Vessel Grades:

ASTM A105, ASTM A350 LF2

Tool and Die Steel:

H13

Nickel, Copper and Titanium Steels

Stainless Steels:

AUSTENITIC – ASTM A182 F304, F304L, F316, F316L, F321, F321H, F347, F347H, F317, F317L

MARTENISTIC – ASTM A182 F6a, AISI 410, AISI 420

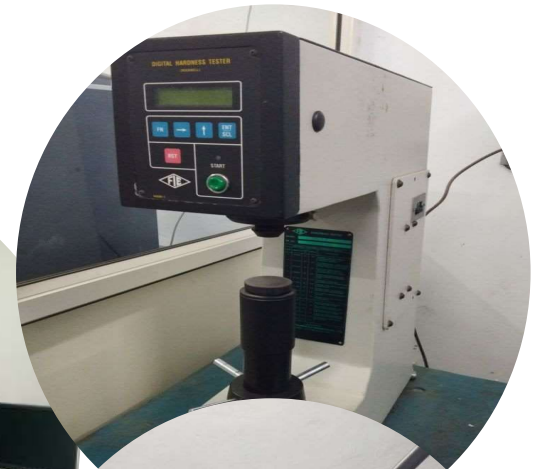
Ferritic-Austenitic – ASTM A182 F51, F53, F55, F60



Testing Lab

Complete In-house Testing

Universal Tensile Testing Machine – 0 to 400 Kn
Impact Testing Machine (Charpy) – 0 to 300 J
Broaching Machine with tools
Brinell Hardness Testing Machine
Portable Leeb Hardness Testing Machine
Digital Rockwell Hardness Testing Machine
Corrosion
Surface NDE - MPI and DP Testing facility
Volumetric NDE – UT Testing facility
Infrared Pyrometers
Temperature Gun
Lux Meter
UV Light Meter
Gauss Meter



Team Hempel Forge



Address

Factory Address

Block No. 156, Village: Vasna Margiya,
Opp.G.G.S.O.N.G.C. Nr. Bidaj Farm, Tal. & Dist.:
Kheda, Gujarat – 387120, India
Phones: +91 982 070 7917
Phones: +91 989 228 9911
Phones: +91 989 280 1138

Sales Office Address

Shop No. 6, Sanghvi Galaxy, 10th Khetwadi,
Mumbai - 400 004, INDIA
Phones: 022-6615 1866
Phones: 022-6666 6650
E-mail: exports.hempelforge@gmail.com
E-mail: info@hempelforge.com