

# Korea Forging Co., LTD.

ISO9001:2015, ISO14001:2015  
(Quality / Environmental Management System)



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# Your Forging Solution

## Company that You Can Trust

We, Korea Forging Co., Ltd, are Professional Company that manufacturing HOT FORGING products with Customer Satisfaction guarantee.

We are practicing Management Philosophy with Customer Oriented Management, Corporate Differentiation through Continual Research and Development, and Management for protecting Human Race and Environment. We are manufacturing and supplied Flanges, Piping Materials, Auto Parts, Heavy Equipment Parts, and Industrial Machinery Parts in the best qualities.

Since 2004, we are provided BEST SERVICE and CUSTOMER SATISFACTION GURANTEE.

The company equips various facilities to product small and large products and the company will provides best quality base on ISO 9001 Quality system, and ISO 14001 Environment Management System.

## Company History

2004	December 23	Korea Forging Co., Ltd Established.
2005	January 1	Manufacturing Forged Products for KOFCO.
2006	August 21	Installed 150 Ton Billet Shear.
2007	Nov 21	Certified ISO/TS 16949 for Quality Management System
2008	January 17	Selected by Korea Labor Department as CLEAN WORK Place
	May 23	Certified ISO 9001 for Quality Management System
	June 19	Certified ISO 14001 for Environmental Management System
2009	May 25	R & D Team Approved by Korea Industrial Technology Association.
	June 24	Specialized Components Material Certified Company by Ministry of Knowledge Economic Department, Korea
2010	Sept 30	Selected as Participating Company for Eco - Innovation in Korea
2012	Sept 26	Certified by Ministry of Knowledge Economy Department, Korea as Parts & Materials Specialist.
	Oct 16	Selected as Participating Company for Eco - Innovation Project, Ulsan, Korea
2013	Nov 25	Obtain Certification of KVER (Korea Emission Reduction) by Korea Energy Management Corporation.
2014	March 18	Join Reduction Donation Agreement with Ulsan, Korea
	April 23	Join Work and Education System with Human Resources Department.
	Aug 1	Duplex Forging Technology R & D
2015	July 31	Installed High Efficiency Rotating Type of Furnace System.
2016	Jan 15	Invented Charging Device for Forging Furnace Obtain Patent
	Oct 26	Improving CRANK SHAFT Hear treatment for Energy Retionalization (Investment by Government).
2018	July 16	Obtain Certification of 'Promising Export Small and Medium Enterprise' by Ministry of SMEs and Startups(MSS), Republic of Korea.
2019	Feb 12	Obtain Certification of 'KICOX Global Leading Company' by Korea Industrial Complex Corporation.



# Manufacturing Process

1 Material Receiving



2 Shearing



3 Heating



4 Free Forging



5 Transferring



6 Die Forging



7 Transferring



8 Trimming



9 Transferring



10 Heat Treatment



(Solution & Tempering., ETC)

11 Shot & M/T



12 Packing





# High Efficiency Rotating Type of Furnace System

(Capacities: 4 Ton per Hour, LNG)



- Rotating Type, Easy Input and Withdraw of Material.
- Less Restrictive of Input Material, Less Restrictive of Shape, and able to convert to Automatic System.
- Minimized the Heat Loss and Oxidation when Material in and out.
- Installation of Recuperator, Ventilated to heat up and giving Preheat (350 ° C) to System and It will save fuel to heat up.



# 6 Ton Hydraulic Drop Hammer (6 Ton / Hydraulic)

- Forge ability to use free fall Kinetic Energy
- Consistent power makes high density and Strength
- Fast Forming, High productivity and Excellent Formability.





# Line of Products



All Types of Flanges, Flange dimensions for pipes ranging 1/2" to 12" in classes ranging 150 to 2500. (mm can be converted) Standardized ASME / API/MSS



Integral Gate & Global Body Any Size & Thickness



Ball Valve Body (Forged) Any Size Available when drawing provided



Gate Bonne Any Size & Thickness



Flow Tee Any Size & Thickness



Elbows 45°/ 90° Any Thickness Available



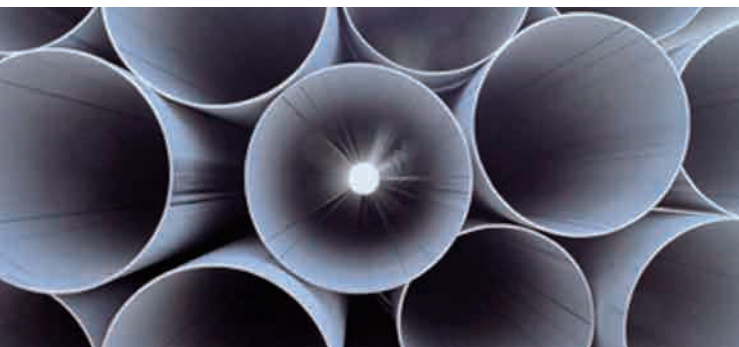
• Cam Shaft / • Crank Shaft / • Inner Shaft - Any Types of Vehicle



• Hub / • Ring Gear / • Connecting Rod / • Fly Wheel - Any Types of Vehicle



## Pipe – Seamless, Stainless, Alloy, Carbon



- Outstanding corrosion-resistance, heat-resistance, and uniform.
- quality Improving refined structure of welding zone by completely eliminating inner bead with cold rolling method
- Sequential production system from raw materials to complete products and strict quality control.



## Buttweld Fittings Nickel & Copper Alloy

### RANGE

15 NB UP TO 1200 NB IN SCH 5S, 10S, 10, 20, 40S, 40, STD, 60, 80S, 80, XS, 100, 120, 140, 160 & XXS

### FORM

SEAMLESS & WELDED LONG RADIUS & SHORT RADIUS ELBOW 90 DEG, LONG RADIUS ELBOW 45 DEG, Long Radius & Short Radius Elbow 90 Deg, Long Radius Elbow 45 Deg, Long Radius & Short Radius Elbow 180 Deg (Return Bend), Reducing Elbow, Equal Tee, Un Equal Tee, Crosses, Concentric Reducer, Eccentric Reducer, Long Stubend, Short Stubend, Collar, Pipe Cap, Long Radius Bends R =3D, 5D, 6D, 8D, 10D & 20D In 15 Deg, 30 Deg, 60 Deg & 90 Deg And Drawing Based Butt Weld Fitting (Customised).



## Nickel Alloy, Copper Alloy, Stainless Steel, Duplex Steel, Carbon Steel and Alloy Steel

### Types

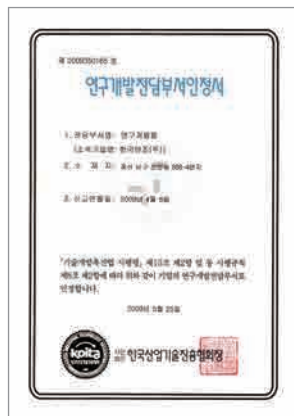
Elbow, Tee, Reducer, Return Bends, Cap, Collar, Cross, Insert etc.

### Size

1/4" NB to 32" NB (Seamless & Welded) Wall Thickness Schedule 5S to Shedule XXS



# Certificates



# Major Equipments

Equipment	Capacity / Specification
Rotary Type Heat Treatment (Q/T)	1.2Ton / Hr
MPI -Deep'g	Crack Detector
MPI -Spray	Crack Detector
NOR. Heat Treatment	1.2 Ton / Hr
Heat Treatment Solution Reactor	4 Ton / Batch
Hydraulic Drop Hammer	6 Ton
1000 Ton T/Press	440 V / 75 KW
500 Ton T/Press	440V / 55 KW
300 Ton T/Press	440 V / 37KW
Continuous Type Heating Furnace	4 Ton / Hr
Biller Shear	150 Ton
Biller Shear	350 Ton

Equipment	Capacity / Specification
Shot Blast M/C	1.5 Ton / Batch
Shot Blast M/C	1.5 Ton / Batch
Shot Blast M/C	1.2 Ton / Batch
Air Drop Hammer	3 Ton
Air Drop Hammer	1.5 Ton
Air Hammer	2 Ton / 3.3 KV / 150 KW
Rotating Type Heating Furnace	4 Ton / Hr
Induction Heater	700 KW / 580 V
Induction Heater	1000 KW / 580 V
Straightening Press	80 Ton
Band Saw	HA-400



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