



**World Best
Fastener and Automotive Parts**

Parts

- Automotive

Fasteners

- Construction

- Petrochemical Plant

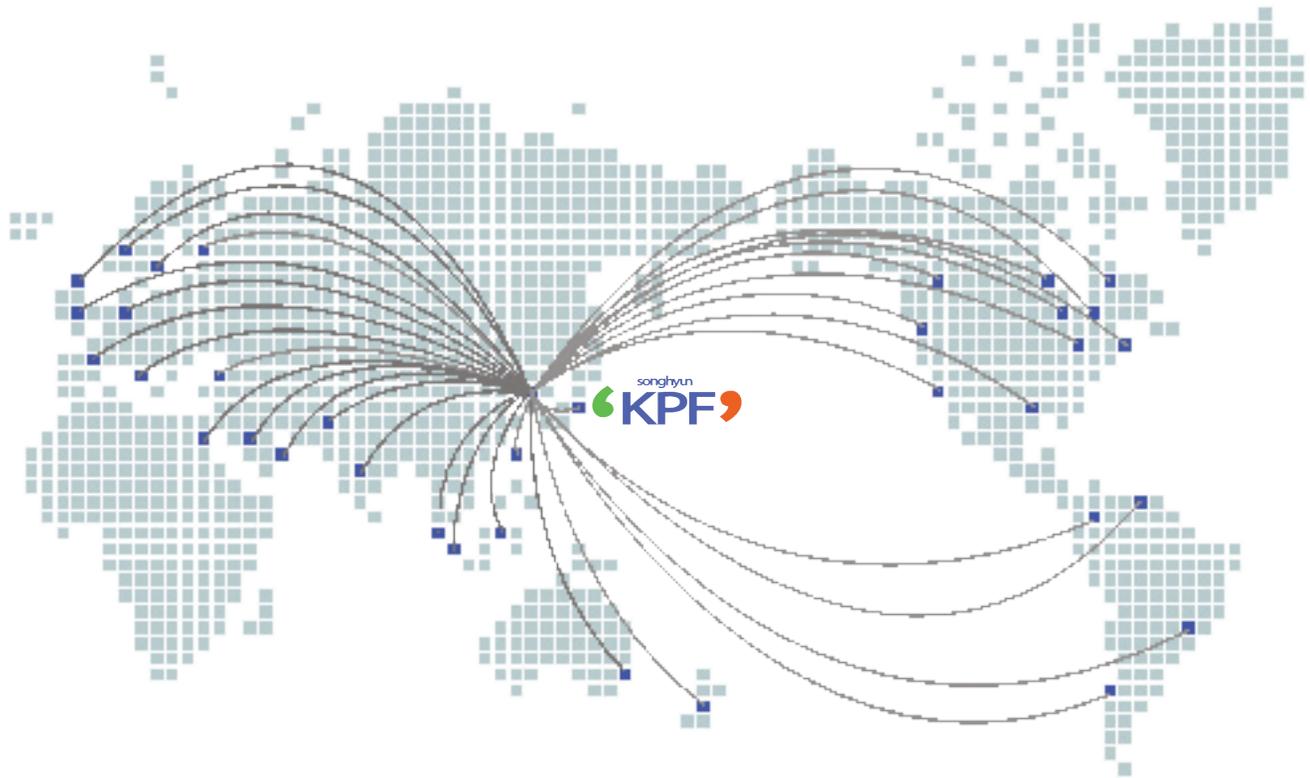
- Heavy Equipment & Machinery

- Wind Power

Korea Parts & Fasteners Co., Ltd.

www.kpf.co.kr

The World is Our Place



C·O·N·T·E·N·T·S

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Greeting



“ We are moving forward to be a Global Top Tier Parts & Fasteners company ”

KPF has grown into a global parts & fasteners manufacturer, constantly offering new technologies to our customers with passion and innovation that never stopped for more than half a century.

KPF is now preparing next 50 years to continue business for over 100 years.

We will meet customer needs and renovate to a more value-added product portfolio, and upgrade SCM to enforce competitiveness by improvement of operational excellence.

KPF will also strengthen the company's continuous value creation by pursuing value focused management.

KPF has the people, technologies and global network with customers and partners already for the realization of value focused management. By the stronger collaboration of people, technologies and network, KPF will jump up to the Global Top-tier Parts & Fasteners manufacturer with creating value for humanity.

President **Hyungnoh Kim** 

History

Foundation

- **1963.10**
Founded "Korea Bolt Corp."
(Hwiyung-Dong, Seoul)
- **1981.05**
Expanded and moved to Ansan
industrial complex
- **1994.12**
Listed on KOSDAQ

Expansion

- **1997.10**
Elected as the member of "Top Hundred
Quality Competitive Companies" by Korean
Academy for Quality
- **1999.10**
Accredited for ISO 9002
- **2006.01**
Expanded and moved to Chungju industrial
complex and changed our company name
from "KOREA BOLT" to "KPF"
- **2007.04**
Accredited for ISO/ TS 16949
- **2008.05**
Muhyun Song was inaugurated as
a President of KPF
- **2008.12**
Awarded "50 million dollars
Export Trophy"

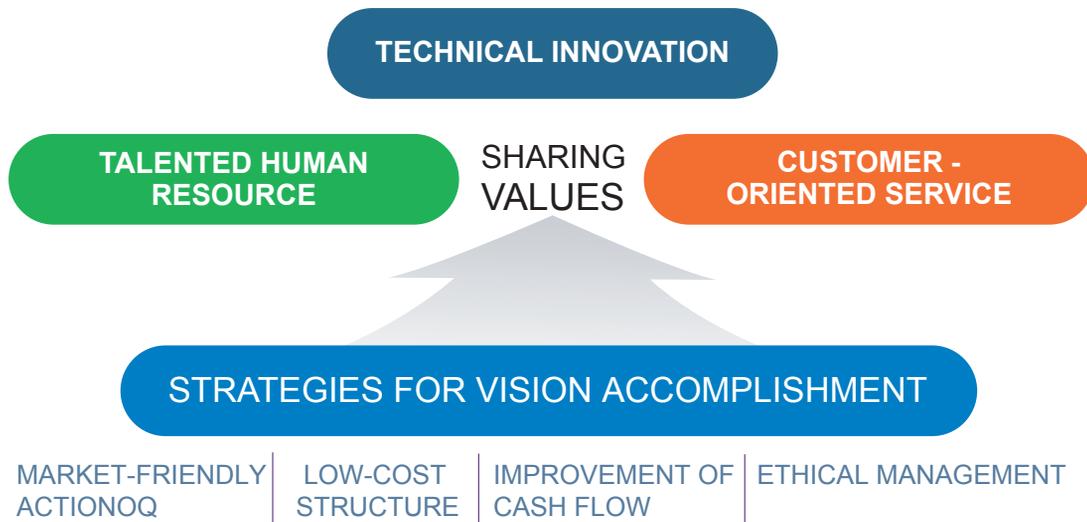
Take off

- **2009.06**
Received the best supplier award of
the process innovation from SKF
- **2010.04**
Founded KPF VINA in Hai Duong, Vietnam
- **2011.03**
Accredited for KOSHA/OHSAS 18001
- **2011.11**
Founded "KPF (Jinan) Bearings " in
Jinan, China
- **2012.12**
Awarded "100million dollars Export Trophy"
- **2014.06**
Relocated head office with completed
Songhyun Group's company building
- **2015.11**
Founded distributor "KPF Global"
- **2017.06**
Received the best supplier award
for the 1st Generation Forging part from NTN
- **2017.09**
Elected as " National Root-Tech Company "



Vision

World Best Fastener and Automotive Parts Company

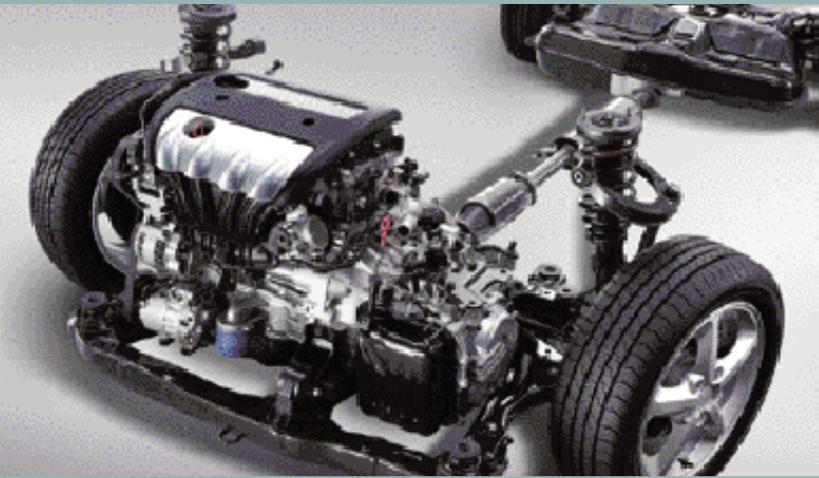


KPF VINA



KPF JINAN

www.kpf.co.kr



[Our products are used in various industries]

Business Area



Automotive

Bearing Race, Housing,
Gear Blank, Valve,
Bush, Shaft

Construction

H/T Bolt · Nut · Washer
T/S Bolt · Nut · Washer
Welding Stud



Petrochemical Plant

Stud Bolt-B7, B16, B8, L7
Heavy Hex Nut-2H, 7L

Heavy Equipment & Machinery

Hex Cap Screw, Tower Crane Bolt
Slotted Bolt · Nut, Track Bolt · Nut
Double end Stud Bolt · Nut



Wind Power

Tower flange Bolts, T-Bolts
Barrel Nut, Anchor bolts

Automotive

Parts



STEERING
 BALL JOINT CASE
 SHOULDER BOLT
 SOCKET
 TUBE



CHASSIS
 PISTON
 RING
 RING SLOT
 COLLAR
 DIFFERENTIAL PINION



TRANSMISSION
 CORE / GEAR
 HOUSING / LOCK NUT
 PINION / SHAFT
 IMPELLER HUB



ENGINE
 SLEEVE
 VALVE
 CAM LOBE



HUB
 INNER(OUTER) RACE
 WHEEL NUT
 FLG NUT / SPACER



Hot Forming

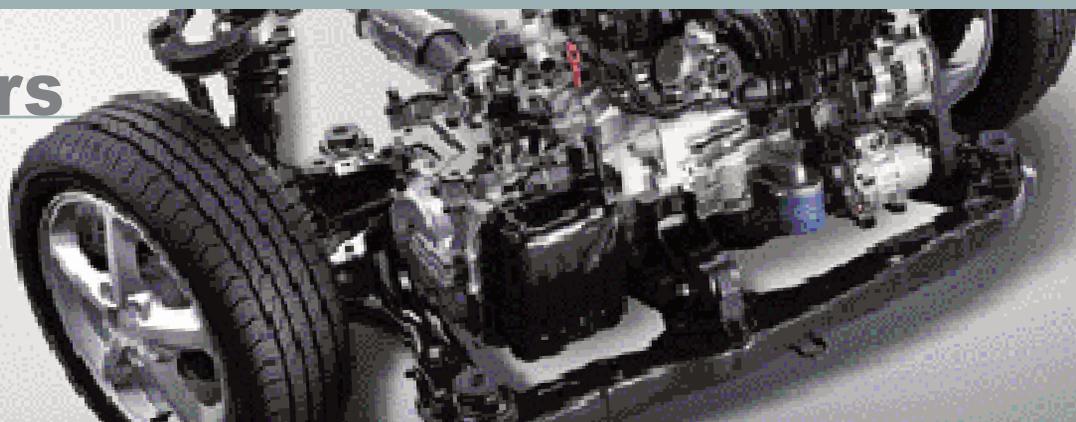


Cold Forming

[Production Range]

Hot Formed Parts	Out Dia.	35mm - 105mm
	Height	25mm - 80mm
Cold Formed Parts	Cutting Dia.	16mm - 43mm
	Cutting Length	9mm - 230mm
	Die K.O.	45mm - 250mm

Fasteners



[Production Range]

Description	Specification	Range (Nom. Dia)
Hex Flange Screws	IFI 111, IFI536	3/8" ~ 3/4" (M8 ~ M20)
Flange 12-Point Screws	IFI 115	3/8" ~ 1 1/2"
Wheel Bolts	Drawing	3/8" ~ 1"
Cylinder Head Bolts	Drawing	M10 ~ M24
Hex Socket Head Cap Screws	ANSI B18.3, DIN 912	3/8" ~ 2 1/2" (M8 ~ M64)
Flat Head Socket Cap Screws	ANSI B18.3	3/8" ~ 1 1/2"
Wheel Nuts	Drawing	5/8" ~ 2 1/2" M16 ~ M64
Two Piece Wheel Nuts	Drawing	
Flange Nuts	SAE J995, IFI 100/107	
Lock Nuts	SAE J995, IFI 100/107	
Slotted Nuts	ANSI B18.2.2	
Castle Nuts	Drawing	
12-Point Flange Nuts	Drawing	
Hex Cone Nuts	IFI 100/107	



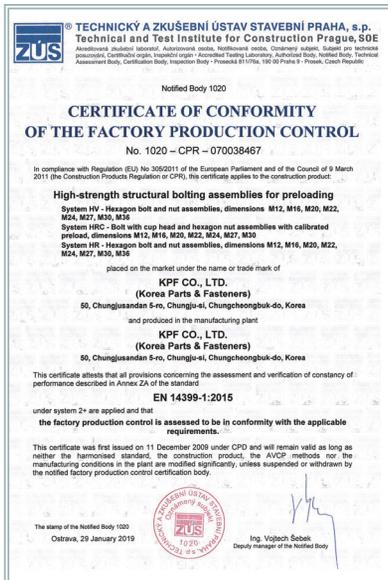
Construction



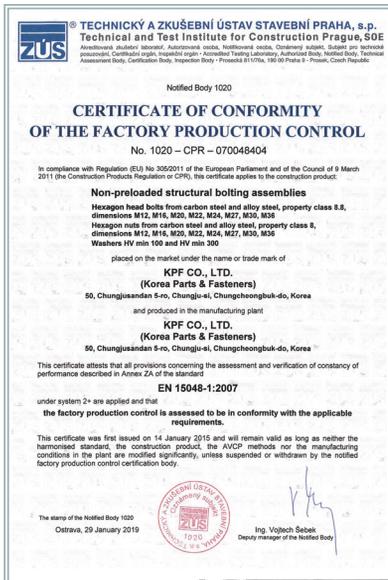
[Production Range]

Description	Specification	Range (Nom. Dia)
High Tension Bolts, Nuts & Washers	KSB1010, JIS B1186 BS 4395	M12~M36
Tension Control Bolts, Nuts & Washers (Torque Shear Bolts)	EN 14399-10 (HRC) JSS II-09 ASTM F3125 F1852 (A325) F2280 (A490)	M12 ~ M36 1/2" ~ 1 1/4"
Heavy Hex Structural Bolts, Nuts & Washers	EN 14399-3 (HR) EN 14399-4 (HV) DIN6914, AS1252 ASTM F3125 A325, A490	M12 ~ M36 1/2" ~ 1 1/2"





< EN14399 >



< EN15048 >

Petrochemical Plants



[Production Range]

Description	Specification	Grade	Range (Nominal Dia)
Stud Bolts	ASTM A193 ASTM A320 ANSI B16.5 DIN9768 BS 4882	B7 B7M B8 L7 B16	1/2" ~ 3" M12 ~ M76
Heavy Hex Nuts	ASTM A194 ASTM A194M ANSI B18.2.2	2H 2HM 7L 7M	1/2" ~ 2 1/2" M12 ~ M64
Heavy Hex Bolts	ASTM A193 ASTM A320	B7 L7	1/2" ~ 2 1/2"



API Certification



**American
Petroleum
Institute**



2015-313

Certificate of Authority to use the Official API Monogram

License Number: 20E-0021

ORIGINAL

The American Petroleum Institute hereby grants to

KPF CO., LTD
50, Chungjusandan 5-ro
Chungju, Chungcheongbuk-do
South Korea

the right to use the Official API Monogram[®] on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1[®] and **API-20E** and in accordance with the provisions of the License Agreement.

In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: **20E-0021**

The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.

The scope of this license includes the following: Cold Formed Bolts, Screws, and Nuts -All / Rolled Threads at BSL 1; Studs -All / Machined at BSL 1, BSL 2 and / Rolled at BSL 1, BSL 2; Fully Machined Bolts, Screws and Nuts -All / Machined at BSL 1, BSL 2; Hot Formed Bolts and Screws - < 1.50 in / Rolled at BSL 1, BSL 2, ≥ 1.50 in / Machined at BSL 1, BSL 2; Hot Formed Nuts - < 1.50 in / Machined at BSL 1, BSL 2, ≥ 1.50 in / Machined at BSL 1, BSL 2

QMS Exclusions: Design and Development; Servicing; Customer Property

Effective Date: JUNE 16, 2016

Expiration Date: JUNE 16, 2019

To verify the authenticity of this license, go to www.api.org/compositellst.

the President, API Global Industry Services



Heavy Equipment & Machinery



[**Production Range**]

	Description	Specification	Range (Nom. Dia)
B O L T S	Square Head Bolts	ASME B18.2.1	3/8" ~ 2 1/2"
	Collar Bolts	JIS B1180	
	Carriage Bolts	ANSI B18.2.1	M8 ~ M64
	T-Head Bolts	ANSI B18.5	5/8" ~ 1"
	Fitting Up Bolts	IFI	
	Hex Cap screws	SAE J429, AS1110, DIN 931, 933	3/8" ~ 2 1/2"
	Plow Bolts	ANSI B18.9	3/8" ~ 1 3/8"
	Track Shoe Bolts	Drawing	3/8" ~ 1 1/4"
	Segment Bolts	Drawing	
	Knurled Wheel Bolts	Drawing	
N U T S	Square Nuts / Heavy Square Nuts	ANSI B18.2.2	1/2" ~ 2 1/2"
	Hex Jam Nuts	ANSI B18.2.2	M12 ~ M64
	Hex Thick Nuts	ANSI B18.2.2	1/2" ~ 1 3/8"
	Track Square Nuts	Drawing	
	Guide Square Nuts	Drawing	

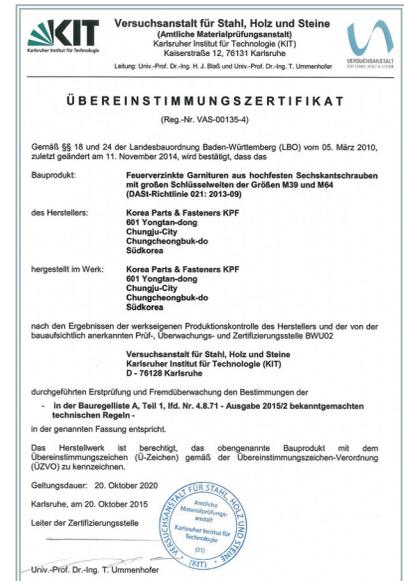


Wind Power

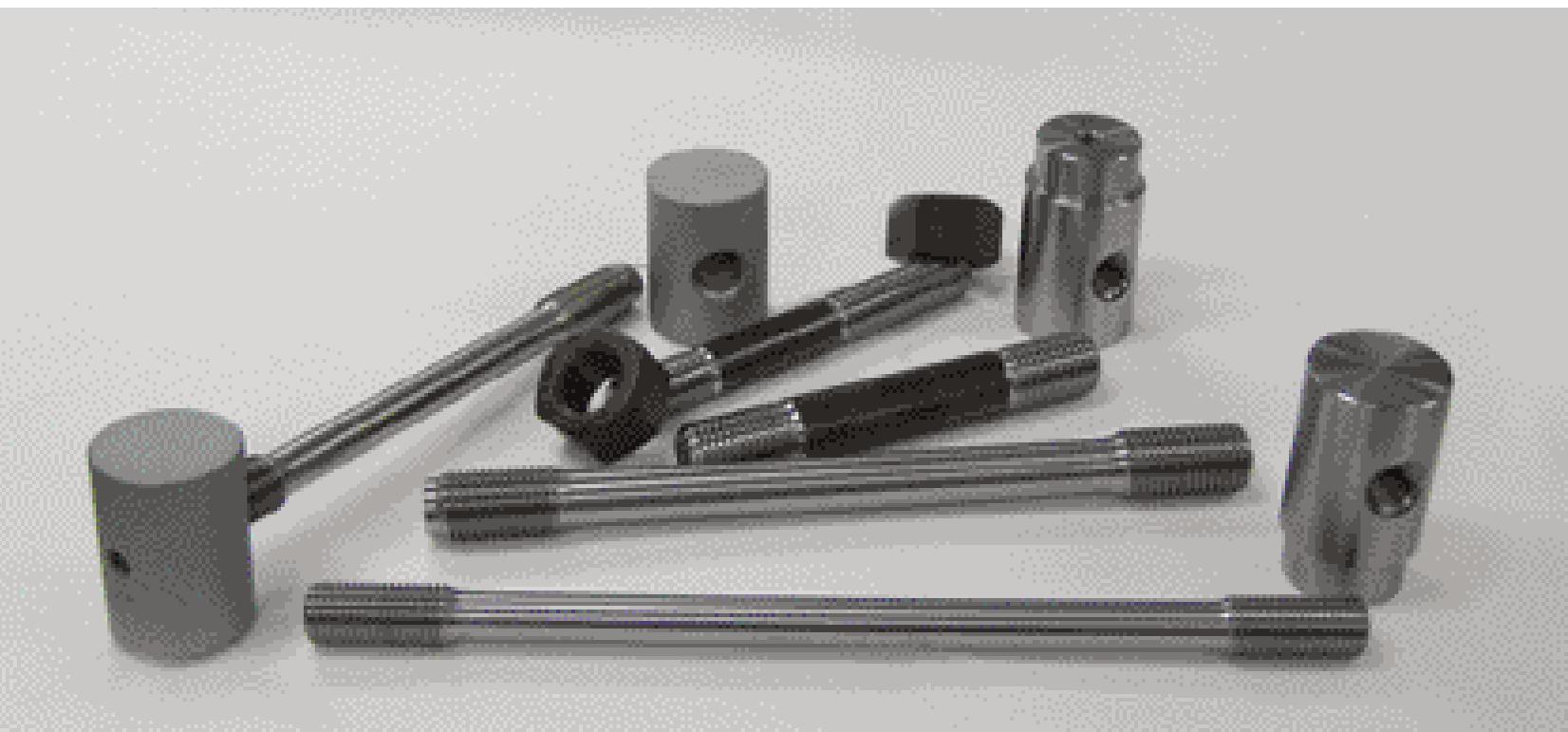


[Production Range]

Classification	Description	Specification	Range(Nominal Dia.)
Blades	T-bolts on blade set for windmill	Drawing	M30 – M36
	Barrel-nuts on blade set for windmill	Drawing	M30 – M36
Towers	Tower flange set for windmill	Drawing DASt-021 EN14399-4(HV)	M12 – M64
Base	bolts	Drawing	Max. M64 x 4,000 mm



DASt-021



Quality Management

KPF's efforts to improve quality and the excellent values of our products were recognized through the rigorous certification procedures of leading certification authorities.



Bolt Tension Test, Torque Test
(Torque coefficient) Rotation Test



Chemical Composition Analysis



Ultrasonic Tester

Current certificates we have :

ISO 9001, ISO 14001, ISO/TS 16949,
A2LA(TESTING CERT. #882.01),
SQ-Mark, Lloyd's Register, KS B1002,
KS B1010, KS B1010, CE,
Dast Richtlinie 021, KOSHA 18001



Tech & Process

Equipped with both hot and cold forging facilities, KPF has been continuously expanding its manufacturing facilities at the Chungju Plant, the best in the industry, and improving our production lines.

► Hot forging process

Through our hot forging process we can make a variety of products ranging in size from $\varnothing 19$ to $\varnothing 105$. We are also highly experienced in manufacturing a variety of industrial use products, such as nuts and bearings. We have a comprehensive forging facility that can handle a wide variety of steels including tough alloy and bearing steels as materials for coils. We use our own forming technology that can prevent excess flash in bolts, thus producing a clean bolt directly from the mold.

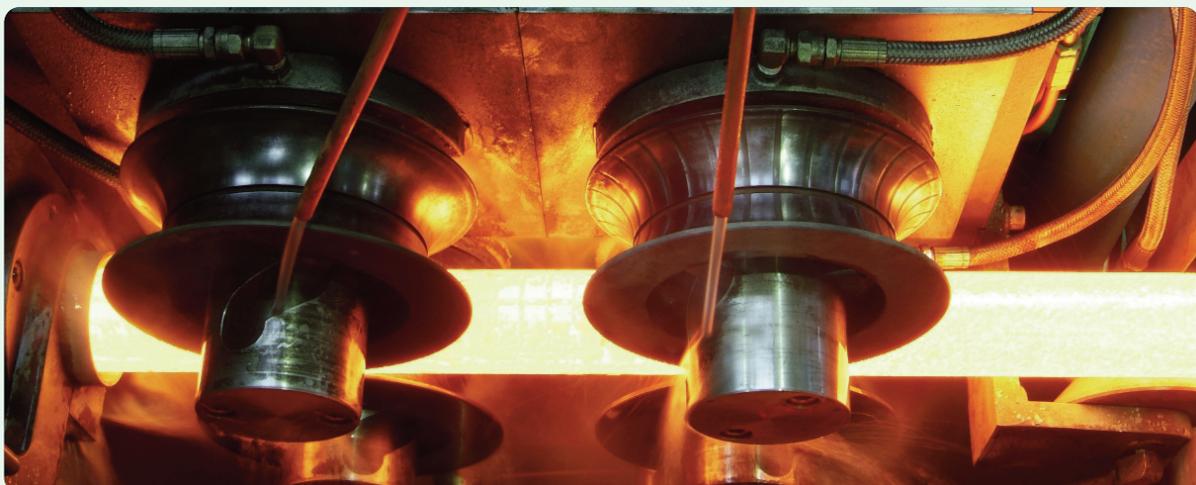
Our mold technology enables us to make 100% of the forging molds in-house.

► Cold forging process

Through our cold forging process we can produce industrial spanners ranging from M8 to M36, which are widely used in automotive components. Our cold forged products are renowned for their durability and precision which is necessary for the steering wheels, transmission components and engine blocks of automobiles. In particular, the quality of our sockets, valves and cases is highly regarded in the global market.

► Bearings

Both the inner and outer races of our automotive hub bearings are produced through a continuous process line from forging to final QT. They are our representative items that meet the stringent requirements of our customers.



Welfare

KPF is making diverse efforts to promote the welfare of our employees.

We offer a dormitory in the downtown area of Chungju to those employees living far away from the company. We also pay part or all of child rearing and school expenses for family members of our employees to help stabilize their family life.

We provide self-development expenses to bring our employees closer together and foster a joyful atmosphere. We also support hobby clubs and provide automobile purchase subsidies for long-serving employees. In addition to monetary support, we allow employees to freely use the company's condominiums and in-house fitness center so that all KPF employees can be happy and healthy at work.



Cafeteria



Boarding House



Office



Shower Room



Locker Room

Certificate

KPF's efforts to improve quality and the excellent values of our products were recognized through the rigorous certification procedures of leading certification authorities.



ISO 9001

- Standard : ISO 9001:2015/KS Q ISO 9001:2015
- Certificate authority : Korean Foundation for Quality
- Certification number : AC-01899



ISO 14001

- Standard : ISO 14001:2015 / KS I ISO 14001:2015
- Certificate authority : Korean Foundation for Quality
- Certification number : EAC-03556



IATF 16949

- Standard : IATF 16949:2016
- Certificate authority : Korean Foundation for Quality
- Certification number : TS-01899



KS Q ISO 45001:2018 / ISO45001:2018

In order to autonomously prevent industrial accidents and to identify risk factors for ongoing management of safety and health management system, KPF has accredited ISO 45001.

- Standard : KS Q ISO45001:2018 ISO45001:2018
- Certificate authority : Korean Foundation for Quality
- Certification number : SAC-05110



A2LA

KPF laboratory got the A2LA certificate that meets the requirement of FQA(Fastener Quality Act.) and ISO17025 from A2LA(American Association for Laboratory Accreditation), to ensure international reliability and to improve skill level of testing / inspection results since 1998.

- Standard : ISO/IEC17025:2017
- Certificate authority : A2LA
- Certification number : 0882.01



API-20E

KPF has acquired API-20E since June 2016, in order to secure quality for pipe products of the petrochemical plant.

- Standard : API spec Q1
- Certificate authority : API(American Petroleum Institute)
- Certification number : 20E-0021



TPG-HT

KPF acquired the certification for Heat Treating among TPG (Transportation and Power Generation) from PRI in 2021.

- Certificate authority : PRI(Performance Review Institute)
- Certification number : 228051010149



PED (Pressure Equipment Directive)

The PED (Pressure Equipment Directive) is a product directive issued by the European Community (2014/68/EU) that sets the standards for the design, fabrication, installation, and use of pressure equipment.

- Certificate number: 806/5/2022



EN 10204

KPF has been accredited EN 10204 Type 3.1 specifying types of inspection documents of metallic products. Accordingly, this is an opportunity for KPF to enhance international public confidence in the products that are being provided by KPF.

- Certificate authority : HPIVS
- Certification number : HPIVS/P1060-027-Q-04



EN 14399

KPF meet all the conditions related to the safety, health and consumer protection of products exported to Europe, and acquired the CE certification in 2009. (EN 14399-1,2,3,4,5,6,10)

- Certificate authority : TZUS
- Certification number : 1020-CPR-070038467



EN 15048

KPF has been accredited EN15048-1 specifying Non-preloaded bolt to increase european market share for construction.

- Certificate authority : TZUS
- Certification number : 1020-CPR-070048404



UKCA 14399

KPF has been accredited UKCA 14399 in compliance with the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, UK Statutory Instrument 2020 No. 1359, this certificate applies to the construction product: High-strength structural bolting assemblies for preloading according to EN 14399-1

- Certificate number: 0038/CPR/SEO2214043/1



UKCA 15048

KPF has been accredited UKCA 15048 in compliance with the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, UK Statutory Instrument 2020 No. 1359, this certificate applies to the construction product: Non-preloaded structural bolting assemblies according to EN 15048-1

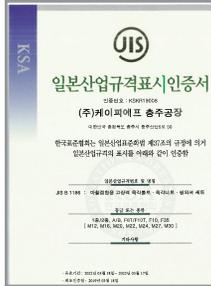
- Certificate number: 0038/CPR/SEO2214043/2



DAST Richtlinie 021

KIT in Germany granted DAST Richtlinie for Tower Flange Bolt of Wind power to KPF who was accredited in the first of Asia. KPF made a leap in the fields of wind power since achieving DAST Richtlinie.

- Certificate authority : KIT, Germany
- Certification number : VAS-00135-4



JIS B 1186

KPF has achieved JIS certification in 2019 to expand the Japanese fastener market.

- Certificate authority : KOREAN STANDARDS ASSOCIATION
- Certification number : KSKR19008



Ministry of land, Infrastructure, and Transport's Ministerial Certification of Japan

KPF acquired the Ministry of land, Infrastructure, and Transport's Ministerial Certification of Japan in Feb. 2021

- Certificate authority : Ministry of Land, Infrastructure, Transport and Tourism
- Certification number : MBLT-0190



KS B 1010

KPF has a production capability and quality level over the level of KS, and achieved KS for Hex Bolts, Hex nuts and High strength hex Bolts / Nuts / washers since 1983.

- Certificate authority : KOREAN STANDARDS ASSOCIATION
- Certification number : 11421



KS B 1012

KPF has a production capability and quality level over the level of KS, and achieved KS for Hex Bolts, Hex nuts and High strength hex Bolts/Nuts/washers since 1983.

- Certificate authority : KOREAN STANDARDS ASSOCIATION
- Certification number : 3062



Happiness for Customers!
Pleasure for us!

Factory
(Chungju)

27327, 50, Chungjusandan 5-ro,
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Korea(Yongtan-Dong)
TEL. 82-43-849-1114
FAX. 82-43-849-1279

Fasteners Team
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136, Unjung-ro, Bundang-gu,
Seongnam-si, Gyeonggi-do,
Korea(Pangyo-dong)
TEL. 82-31-8038-9700
FAX. 82-31-8038-9742

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Korea(Pangyo-dong)
TEL. 82-31-8038-9772
FAX. 82-31-8038-9763

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Bearing Components

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Eschborn, Germany
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