



















SPECIAL BOLT & NUT FITTINGS





The power to connect the world.

FASTENERS (BOLTS, STUD BOLTS, NUTS & WASHER) is a history of industry.

We can supply you with special materials that meet your demanding requirements even in extreme environments.

JUNGSAN, which specializes in manufacturing bolts for energy plants and engine turbines, places the highest priority on the relationship between you and your companions.



4 HISTORY / CERTIFICATION

HISTORY

Jul. 2017

DNV GL rules for classification – Ships
DNV GL-CP-0351 – Manufacture of heat treated products –
Heat treatment workshop

Mar, 2016

Environment, quality, Safety systems Certificate (KR Society)

Mar, 2016

Qualified supplier registration Certificate (Korea Southern Power, Korea East-West Power, Korea Midland Power Korea Western Power, Korea South-East Power)

Dec, 2015

Quality System Certificate (KEPIC:DN-662)

Nov. 2014

Single PPM 2 kind obtain additional authentication (TIE ROD / HYD. NUT) Small and Medium Business Administration (No. 1-16-2-2265)

Jun, 2014

Promising Company by Techno Park (ULSAN)

Feb. 2014

Production Management(PMS)LEVEL.4

Jul. 2012

Eamed A Certificate of Approval for ISO 9001 (MSA)
Eamed A Certificate of Approval for ISO 14001 (MSA)
Eamed A Certificate of approval for OHSAS 18000: (MSA)

Apr, 2011

Received Single PPM group President award

Oct, 2010

Received Single PPM quality certificate-2 items acquired from Small and Medium Business Administration

Mar, 2010

Received the Busan Regional Tax Administration Award

Feb, 2010

Received Accident-Free 10-fold certificate.

oct, 2009

Received the best partner award in the 3C division by DOOSAN ENGINE Co., Ltd.

Mar, 2009

Completed the second plant

CERTIFICATION



HEAT TREATMENT APPROVED (DNV/GL)



OHSAS 18001



ISO 9001



KEPIC



SINGLE PPM



ISO 14001



A QUALIFIED SUPPLIER



KHMP VENDOR

Apr, 2008

Acquired Certificate of INNO-BIZ

Apr, 2008

Win an award Single PPM group by The Prime

Nov. 2007

Acquired Single PPM by Small and Medium Business Admn

Feb, 2007

Win an award superior quality of ENGINE Co., Ltd.

May, 2006

Attested ISO 9001:2000 by ORI

Mar, 2000

Acquired certificate of ISO 9002 attested by EQA

Sep, 1999

Certified as a venture company(no. 99121421-189)

Dec, 1998

Joined membership of Korea shipbuilding materials Union Association

Sep, 1998

Registered as a membership partner of Hyundai heavy industries (No. UZ 077)

Sep, 1998

Registered as a membership partner of Samsung heavy industries (No. 2907151)

Sep, 1998

Registered as a membership partner of Volvo construction & machines Korea (No. 36018)

Aug, 1998

Registered as a trade business & membership of Korea trade Association

Apr, 1998

Registered as a membership partner of DOOSAN ENGINE Co., Ltd.(No.290715)

Mar, 1998

Incorporated company

Apr, 1983

Established company

PARTNERSHIP CLIENTS















































PRODUCT

STUD BOLT & NUT

B7, B7M, L7, L7M B8, B8M, B8M CL, 2 A453-660 INCONEL 625, 718 UNS S32750 / S32760 MONEL K-400 / K-500



STUD BOLT

B16, B4B INCONEL 718, INCONEL X-750 A453-660, A193-B7, A193-B8M



HEXAGON HEAD BOLT & NUT

B7, B16, A325, A440 INCONEL 718 A453-660

HEAVY HEX BOLT (HEXAGON BOLT) / **HEX NUT**

B7, B7M, B16, B5, L7, L7M, L43, 20CrMoVTIB4-10 A36, A307, 4.6, SS400, S45C, A325, A490 B8 CL1&2, B8M CL1&2, B8T, B8C, B6, SS317(L) A453-660, INCONEL 625, 718, INCONEL 925, C276 UNS S32760 / S32750 Grade 2 / 5 / 7





U-BOLT/HEX NUT/INSOLATION PAD

B7,B7M,B16,B5,L7,L7M,L43,20CrMoVTIB4-10 A36,A307,4.6,SS400,S45C,A325,A490 B8 CL1&2, B8M CL1&2,B8T,B8C,B6,SS317(L) A453-660, INCONEL 625, 718, Incoloy 925,C276 UNS S32760 / S32750 Grade 2 / 5 / 7 C65100, C63000, C61400



COUPLING BOLT

JIS G4053 (SCM435, SCM440, SNCM439) & CUSTOMER SPECIFICATION

CYLINDER COVER STUD





MAIN BEARING STUD

JIS G4053 (SCM435, SCM440, SNCM439) & CUSTOMER SPECIFICATION



12PT BOLT & NUT

B-16, A437-B4B INCONEL 718 A453-660, B7, B8M

HAEDER PLUG

A105, A350-LF2, A182-F304L 316L, UNS S31803 / S32750 / S32760 INCONEL 625, 718, 825





ANCHOR BOLT SET (FOUNDATION BOLT)

- SLEEVE TYPE
- SLEEVELESS TYPE
- KS B 1016 (TYPE L / LA / J / JA)

B7, B7M, B16, B5, L7, L7M, L43, B23, A449 A36, A307, 4, A325, F1554 Gr.36 / Gr.55.SS400 B8 CL1&2, B8M CL1&2

HEXAGON SOCKET HEAD BOLT

B16, A437-B4B, 10.9, INCONEL 718, A453-660, A1983-B7, A193-B8M, INCONEL 625, MONEL K-400 / K-500, UNS S32750 / S32760



WELD STUD & FERRULE

A108, SUS304L, B8 A276-316Ti, A276-316L / CERAMIC





JS-1 Lock Bolt

LOCK BOLT & NUT MAGNET INSERT Type



JS-1 Lock Nut

LOCK NUT SPRING INSERT Type



JS-2 Lock Nut



JS-3 Lock Stud Set FLNG Tanker Insulation Locking Size : M10, M12 Steel, STS



JS-4 Lock Cap All Steel

BOLT CAP (THERMOPLASTIC RUBBER, ALUMINIUM)

- Thermoplastic Rubber Bolt Cap, Alumium
- For Anti-Corrosion
- BOLT SIZE : 1" ~ 3.5"





10 SPECIFICATION

SPECIFICATION OF PRODUCTS

	DESCRIPTION	MATERIAL	DIMENSION	RANGE	
	DESCRIPTION	MATERIAL	DIMENSION	Inch	Metric
	STUD BOLT	A193,A320,A437,A449,A453,ISO 898-1	A193,A307,A540,A564	1/4" ~ 6"	M6~M160
	HEX BOLT	A193,A320,A437,A449,A453,ISO 898-1	ASME B18.2.1 / ANSI B18.2.3.5M	1/4" ~ 6"	M5~M160
	HEAVY HEX BOLT	A193,A320,A437,A449,A453,ISO 898-1	ASME B18.2.1 / ANSI B18.2.3.6M	3/8"~3"	M10~M48
	SQUARE HEAD BOLT	A193,A307,S45C,S20C,SS400	ASME B18.2.1	1/4" ~ 1-1/2"	
	FITTED BOLT	JIS G 4053(SCM435,SCM440,S45C)	CUSTOMER SPECIFICATION		M24 ~ M60
	HEX SOCKET BOLT	A193,A320,A437,A449,A453,ISO 898-1	ASME B18.3/ANSI B18.3.1M	NO.0~4"	M6~M48
	U-BOLT	A193,A325A,SS400	JIS F3022	3/8" ~ 32"	M12~M30
В О	ANCHOR BOLT	A36,A307,A540,SF440,S45C,20C,SS400	JIS B1178	1/2" ~ 5"	M12~M125
L T	T-HEAD BOLT	A36,SF440,S45C,S20C,SS400	DIN7992	1/2"~4"	
	EYE BOLT	A489,S45C,S20C,SS400	ANSI B18.15	1/4" ~ 2-1/2"	M6~M120
	FLANGE BOLT	A193,A320,A437,A449,A453,ISO 898-1	ASME B18.2.1/IFI536	1/4" ~ 3/4"	M6~M30
	TENSION BOLT	JIS G 4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M10~M30
	HOLD'G DOWN BOLT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M24 ~ M30
	END CHOCK BOLT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M40~M80
	COUPLING BOLT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M50~M180
	PISTON CROWN BOLT	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M12~M30
	CYLINDER COVER STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M48~M120
	MAIN BEARING STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M48~M120
	CONNECTING ROD STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M48~M120
s	FUEL VALVE STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M20~M48
T U	AXIAL VIBR DAMPER STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M20~M48
D	STARTING AIR VALVE STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M20~M48
	REDUCED SHANK STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M20~M48
	PISTON ROD STUD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M12~M30
	TIE-ROD	JIS G4053(SCM435,SCM440,SNCM439)	CUSTOMER SPECIFICATION		M24 ~ M80
	HEX NUT	A194,A453,A563,ISO 898-2	ASME B18.2.2/ANSI B18.2.4.1M	1/4"~4"	M10~M160
	HEAVY HEX NUT	A194,A453,A563,ISO 898-2	ASME B18.2.2/ANSI B18.2.4.6M	1/4" ~ 6"	M10~M160
N	HEX JAM NUT	A194,A453,A563,ISO 898-2	ASME B18.2.2/ANSI B18.2.4.1M	1/4"~4"	M10~M36
U	FITTED NUT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M20~M120
Т	COUPLING NUT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M50~M180
	ROUND NUT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M30 ~ M120
	HYDRAULIC NUT	JIS G4053(SCM435,SCM440)	CUSTOMER SPECIFICATION		M30~M120
	PLUG	A105,A182,A350,S45C	ANI B16.11	1/8"~4"	
Etc	WASHER	A510,A580ASWRH,F436,S45C	ASME B18.21.1/IFI532/JIS B1251	1/2"~3"	

SPECIFICATION 11

COATING

DESCRIPTION	SPECIFICATION	MATERIAL
HOT-DIP GALVANIZED	ASTM 123 , ASTM A153 , ISO 10684	IRON AND STEEL PRODUCT IRON AND STEEL HARDWARE FASTENERS
ELECTRO- DEPSITER	ASTM B633 , ASTM B766 ISO 2081 , ASTM B841	ZINK , CADMIUM , ZN+NI
NON-ELECTRONICALLY ZINK FLAKE	ISO 10683	ZINK
ZINK PHOSPHATE	ASTM F1137 , ISO 11408	ZN / MN
PTFE (Poly Tetra Fluoro Ethyene)	XYLAN 1070 , 1052 , 1014 , 1424 XYLAR 2 , SERMAGARD 1105/1280	XYLAN

STAINLESS STEEL

DESCRIPTION	MATERIAL	
Martensitic	403, 410, 410S, 410JI, 416, 420JI, 420J2, 420F, 431, 440A, 440B, 440C	
Ferritic	405 , 429 , 430 , 430F , 434	
Austenitic	201 , 202 , 301 , 302 , 303 , 303Se , 304 , 304L , 304N1 , 304N2 , 305 , 305J1 , 309S , 310S , 316 , 316N , 316L , 316JI , 16JIL , 317 , 317L , 321 , 347 , 384 , XM7 , XM15JI , 329JI	

DUPLEX ALLOY

MATERIAL	UNS	ASTM
ALLOY 2205 - DUPLEX 2205	S31803 , S32205	A182 , A76 , A479
ALLOY 2507-25Cr	S32750 , S32760	A182 , A76 , A479

TITAIUM

MATERIAL	UNS	ASTM
TITAIUM Gr. 2 / 5 / 7	R50400 , R56400 , R52400	B348 , B265

6%-MOLY

MATERIAL	UNS	ASTM
6-MOLY	N08925 , N08926 , N08367	B649 , A182 , A276 , A479 , B688
254SMO	S31254	A182 , A276 , A479

NICKEL ALLOYS

MATERIAL	UNS	ASTM
ASTM A453 Gr 660 Class A/B/C/D	S66286	
HASTELLOY C276	N10276	B574 , B622
INCOLOY A286 / 800 / 800H / 825 / 925	S66286 , N08800 , N08810 , N08825, N09925	A453 , B407 , B408 , B564 B423 , B425 , B805
MONEL 400 / K500	N04400 , N05500	B164 , B865
INCONEL 625 / 718 / 750	N006625 , N07718 , N07750	B446 , B564 A1014 , B637



1st PLANT (Cutting, Forging, Heat Treatment)



2nd PLANT (CNC, Rolling, Package)





1st PLANT / QM Dep`t

#32, Am-ri 3-gil, Samdong-myun, Ulju-gun, Ulsan city, South Korea Tel +82-(0)52-254-3290~4, Fax +82-(0)52-254-3295

2nd PLANT / HEAD OFFICE

#25, Am-ri 3-gil, Samdong-myun, Ulju-gun, Ulsan city, South Korea

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