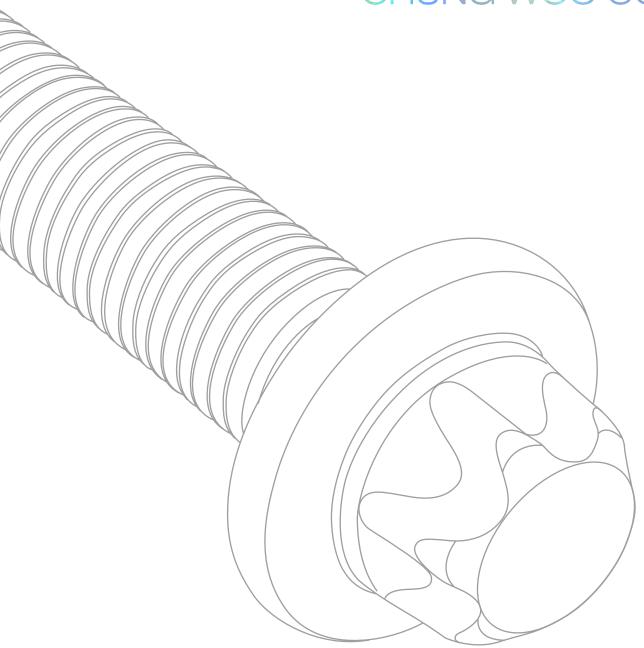


Your Beloved Chung Woo

CHUNG WOO CO., Ltd.





CONTENTS 목补

Greeting ^{인사말}

Location | History | Management Philosophy অনুধার । প্রবৃ । রপ্তথার

Manufacturing Process মাক্রন্ত

Products 제품소개

Patented Products म्लग्डेयान सम

Specification 제품 규격

Customer य्यख्र

주식회사 청우는 1991년 창사이래 자동차용 Bolt, Rivet, Shaft, pin등 냉간단조 부품을 생산하는 Fastener 전문업체로 국내외 자동차 회사에 공급하고 있으며, 지금까지 고객만족을 통한 신뢰받는 기업으로 성장, 발전하여 왔습니다. 우리 청우가 이처럼 성공할수 있었던 것은 그동안 모든 임직원들이 투철한 장인정신으로 끊임없이 연구, 노력하였음은 물론 고객들의 변함없는 성원과 협조가 있었기 때문이라고 생각합니다.

앞으로도 고객의 요구를 만족시키기 위해 지속적인 품질,가격,납기만족과 신제품 개발에 심혈을 기울일 것이며, 세계 일류 기업으로서 사회에 기여 할 수 있도록 혼신의 힘을 다할 것을 약속드립니다.

감사합니다.

CHUNGWOO Co. is a fastener manufacturing company which produce high tensile Bolt and cold forging items such as Rivet, Shaft and Pin and has been supplying domestic and global automobile companies since we have started in 1991.

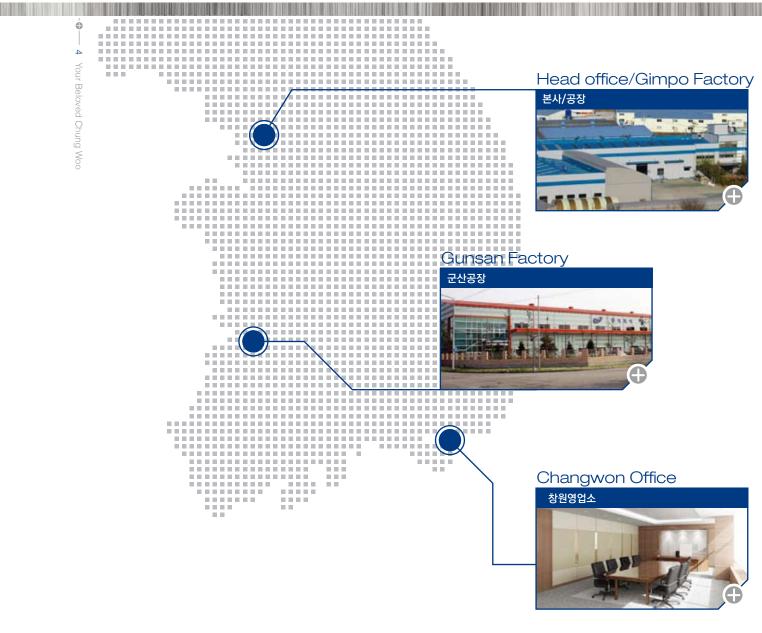
We could achieve this success thanks to our customers cooperation as well as continuous research and every effort from our employees thorough craftsmanship.

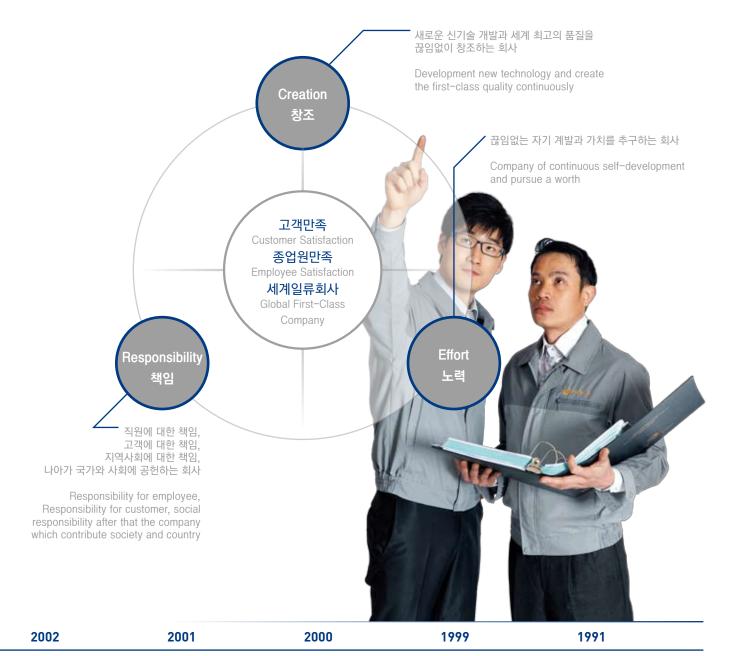
We will make every effort to satisfy the customers' needs on the quality, price and delivery and we will promise to contribute to society as a leading company worldwide.

Thank you.

대표이사 이 환영







History Page

2011

600대 최강 중소기업 선정 Registration as 600 the most powerful Small & Medium-sized corporation (Daily Cho-sun & IBK)

경기도 유망중소기업 선정 Registration as bright prospect corporation (Gyonggi Governor)

2010

TAPTITE®2000™ 나사특허 기술제휴 Patented formula cooperation with TAPTITE® 수출 5백만불탑 수상 (대통령) 5 Million USD Export

2008

수출유망중소기업지정 (경기중소기업수출지원센터) Registration as bright Tower Award (President) prospect corporation for export

2007

MAThread® 나사특허 기술 제효 Patented formula cooperation with MAThread[®]

ISO14001:2004인증획득 (한국표준협회) ISO 14001:2004 Certification (EMS-0559) ISO/TS16949 인증획득 (한국표준협회) ISO/TS 16949:2002 Certification (IATF No.: 0080814 TSS-0008)

2006

유망중소기업선정 (산업은행) Registration as bright prospect corporation (Industrial Bank)

공장이전 (인천→김포) Relocation of head office and factory (Gimpo city)

경영혁신형 중소기업선정 (경기지방중소기업청장) Registration as Management Innovated corporation (Gyonggi SMBA)

GM Korea 거래시작 DAEWOO takeover by GM and establishment of GMDAT

QS9000:1998 인증획득 QS 9000 Certification (Korean Standard Association)

SQ인증획득 (현대.기아자동차㈜) SQ Certification (Hyundai & KIA Motors)

ISO9002인증 (자동차용 볼트의생산) ISO 9002 Certification (Fastener company for automobile)

> 벤처기업확인 (인천지방중소기업청) Registration venture company (Incheon SMBA)

대우자동차㈜협력업체 등록

of DAEWOO Motors

쌍용자동차㈜협력업체등록 Registration as tier1 supplier Registration as tier1 supplier Establishment of of SSANGYONG Motors CHUNGWOO Co.

> 삼성자동차 협력업체 등록 Registration as tier1 supplier of SAMSUNG Comercial Motors

산업기능요원 지정업체 선정 Registration as Industry technical agent company

청우 설립(인천 남동공단)

















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Inspection

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Safety



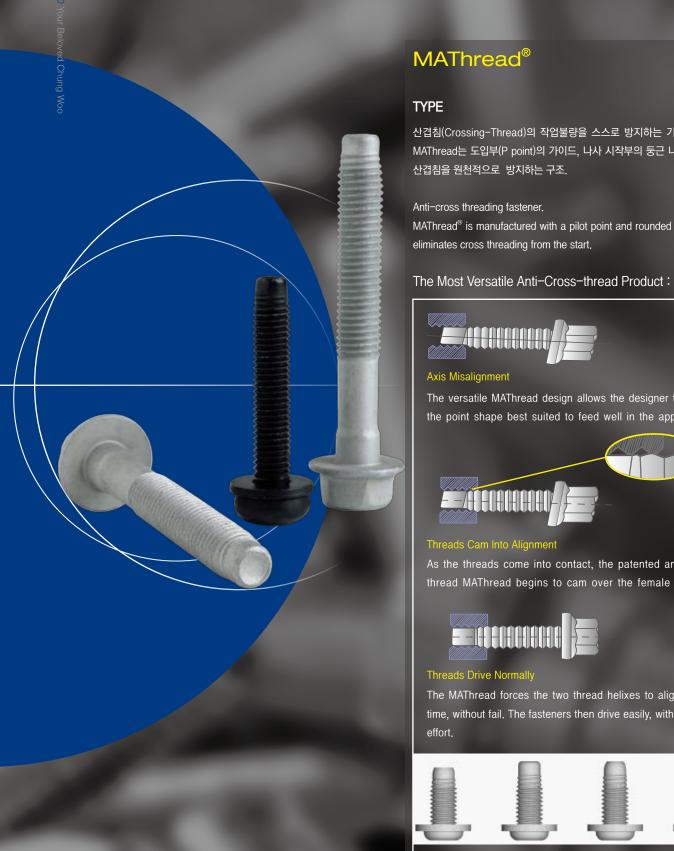




Chassis / Hub & Wheel







산겹침(Crossing-Thread)의 작업불량을 스스로 방지하는 기능 제품으로 MAThread는 도입부(P point)의 가이드, 나사 시작부의 둥근 나사산을 통해

MAThread® is manufactured with a pilot point and rounded threads that



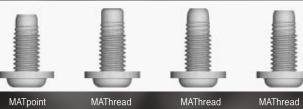
The versatile MAThread design allows the designer to select the point shape best suited to feed well in the application.



As the threads come into contact, the patented anti-cross thread MAThread begins to cam over the female thread.



The MAThread forces the two thread helixes to align, every time, without fail. The fasteners then drive easily, with reduced



P Point Radiused Point



TAPTITE® 2000™

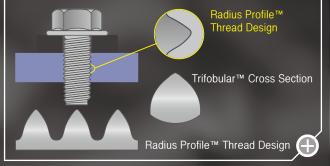
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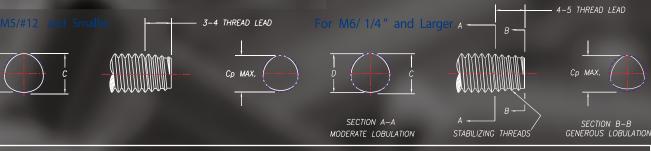
삼각형상의 몸통으로 가장 널리 적용되고 있는 자기 체결(Self Thread Forming) Fastener측방향 수직단면이 원형이 아닌 둥근 모서리가 세개인 삼각형의 형상으로 되어있으며, 이미 Tapping된 Nut에 체결되는 Bolt와 달 리 일반드릴 홀에 암나사를 성형시키면서 동시에 체결되는 Screw.

Self-thread forming screw with trilobular body shape. High strip-todrive ratio with an excellent resistance to vibrational loosening.

Advantages of the TAPTITE® 2000 Fastener

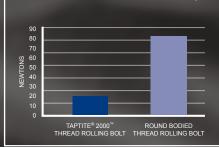
- "Ergonomically" Friendly
- "Assembly" Friendly
- Excellent Axial Alignment
- Low End Load High Strip-to-Drive Ratio
- - Excellent Torque Tension Relationship





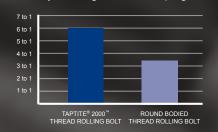
Lower Starting End Load

TAPTITE[®] 2000™ fasteners require low axial end load to initiate thread forming.



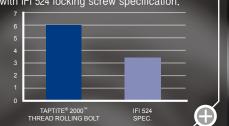
Higher Fail to Drive Ratio

The higher, more uniform, fail to drive ratio of TAPTITE $^{\circ}$ 2000 $^{\mathrm{TM}}$ bolts provides a builtin safety factor against over-torquing.



Prevailing Torque

The Trilobular™ shape of TAPTITE® 2000™ provides "prevailing torque". Graph shows comparison of a TAPTITE® 2000™ fastener with IFI 524 locking screw specification.



FLANGE BOLT

Characteristic

육각 머리의 맞모거리보다 큰 지름의 원형 자리면 모양의 BOLT. 자동차 부품의 모든 부위에 사용되는 일반적인 제품. Circular shape flange is bigger diameter than width across corner and this bolt type is applied to all types of automobile parts.

Products Dimensions			
Diameter	Subtense	Length	
M6 ~ M20	M24 MAX	200 MAX	





STUD BOLT

Characteristic

봉의 양 끝에 나사가 있어 한쪽나사를 자동차 차체에 결합하고 상대나사는 상대물 조립에 사용되는 제품

Both side of thread forming bolt, one side of thread is fastened on automobile and the other side of thread is assembled with other components.

Products Dimensions		
Diameter	Subtense	Length
M6 ~ M14	ø 24 MAX	160 MAX



HEXAGONAL BOLT

Characteristic

육각 머리 형상의 제품으로 자동차 모든 부위에 사용되는 일반적인 제품.

Hexagonal head shape and applied to all types of automobile parts.

Products Dimensions		
Diameter	Subtense	Length
M6 ~ M20	M24 MAX	200 MAX





WELD BOLT

Characteristic

머리 자리면에 돌기부를 성형하고 강판에 용접하여 사용하는 일반적인 제품.

Several bumps are under the head and welded on steel panel to assemble with other components.

Products Dimensions		
Diameter	Subtense	Length
M6 ~ M12	M29	120 MAX
1000		





Characteristic

6각 머리 형상의 제품으로 CAM-OUT 현상 방지 및 정확한 체결력 전달로 풀림을 예방하기 위해 사용되는 제품. 6-lobe head shape and resist CAM-OUT and acculate clamping ce drive for preventing loosening.

Products Dimensions			
Diameter	Subtense	Length	
M6 ~ M16	ø 24 MAX	200 MAX	
	A 6		



COLD FORGING PARTS

Characteristic

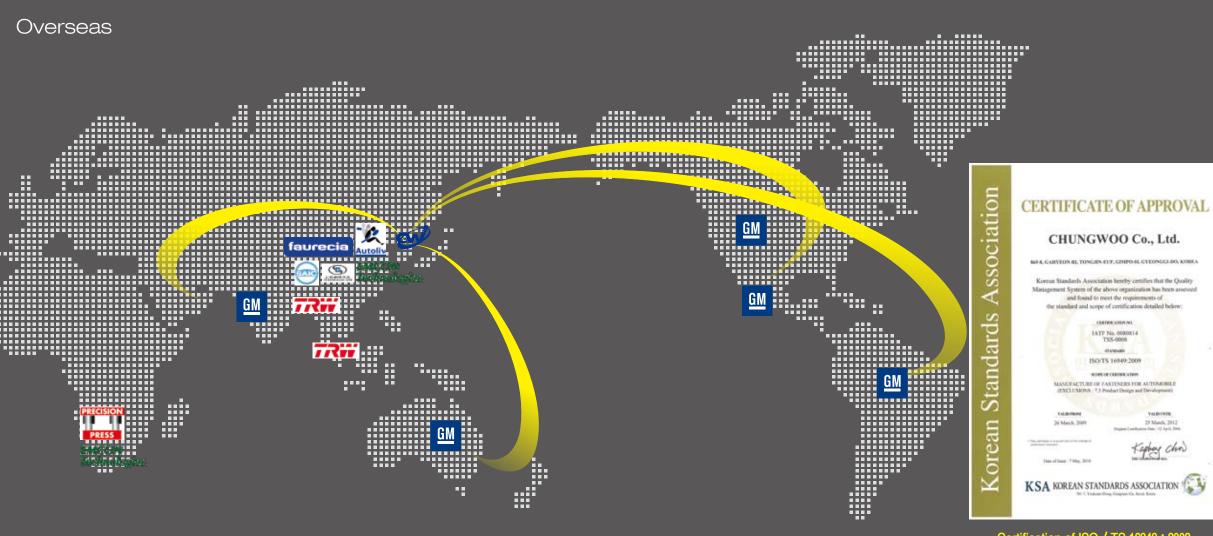
자동차에 특수하게 적용되는 여러 가지 형태의 냉간 단조 제품. 12각 머리형상 볼트, Rollet Bolt, SHAFT, 허브 볼트 등. Various shapes of cold forging products which are applied to automobile specially.

Products Dimensions

12-point head bolt, Rollet Bolt, SHAFT, HUB BOLT etc.







CERTIFICATE OF APPROVAL CHUNGWOO Co., Ltd. KOREAN STANDARDS ASSOCIATION KSA (W)

Certification of ISO / TS 16949: 2002

Certification of ISO 14001: 2004

Domestic











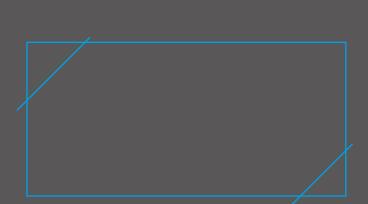


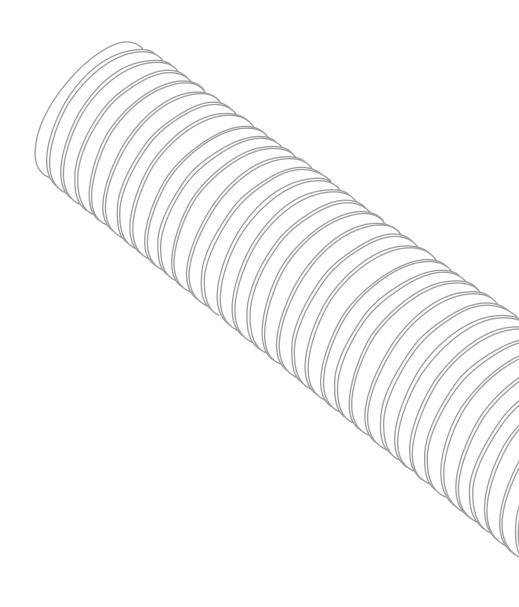














Fax 031-981-8823

Head Office Gimpo Factory

865-8, Gahyun-ri, Tongjin-eup, Gimpo-si, Gyonggi-do, Korea Tel +82 31 981 8822

Fax +82 31 981 8823

군산공장

전라북도 군산시 소룡동 1640-3 Tel 063-468-8865

Fax 063-468-8861

Gunsan Factory 1640-3, Soryong-dong, Gunsan-si, Jeonrabuk-do, Korea Tel +82 63 468 8865

Fax +82 63 468 8861