



세상에 가치를 더합니다.

MAKE THE GREEN TOMORROW



1993년 최초 (취가동금속으로 시작한 아이엔스틸은 글로벌 특수강 냉간압연 메이커로 우뚝 서기 위해 끊임없이 노력하고 있습니다. 우리는 항상 고객 우선 중심의 기업정신으로 상생발전을 도모하며, 나아가 인류 미래의 발전에 기여하고자 항상 최선을 다합니다. 철의 역사는 곧 인류 역사의 기반입니다. 철강산업은 작은 바늘, 의료용 정밀 도구부터 자동차, 우주선에 이르기까지 곳곳에서 인류 문명을 펼쳐 나가는 기반 산업입니다. 우리는 끊임없는 품질혁신, 투명한 정도경영의 정신으로 미래를 이끌어가는 참다운 기업으로 발전해 나갈 것을 약속합니다.



We were established in 1993 as Gadong Metal and try to do our best to be a global leading cold rolled special steel maker. We are trying to make our life better with continuous change and innovation in the current steel industry. We are standing in the vanguard of customer-oriented management spirit much of customer profit with the best product following customer needs, competitive price, and perfect quality management as specialized company of cold rolled special steel strip. We will be a faithful company leading our customer's affluent future with constant quality innovation and transparent management.

HISTORY

회사연혁

- 1993. 10 (주)가동금속 설립
- 1994. 12 (주)성광금속 상호변경
- 1996. 4 소재지 변경(안산시 신길동)
- 1999. 12 소재지 변경(안산시 성곡동)
- 2001. 2 ISO 9002 인증취득 (CAS)
- 2004. 8 자본 증자 550백만원 (증자후 자본금 1,100백만원)
- 2004. 11 ISO 9001: 2000/ KSA 9001: 2001 인증취득 (DAS)
- 2005. 6 (주)한스틸 상호변경
- 벤처기업 인증 취득 (경기지방중소기업청)
- 2006. 6 대창공업(주) 자본 참여
- 2006. 11 (주)아이엔스틸 상호 및 대표이사(박주범) 변경
- 2014. 4 ISO 14001:2004 인증획득(German Cert.)
- 2015. 1 소재지 변경(시흥시 시화벤처로)
- (주)아이엔스틸인더스트리 상호변경
- 대폭 절단기 준공
- 2022. 6 절단 4호기 레벨라 설치
- 2024. 6 압연1호기 AGC 설치

- Oct 1993 Gadong Metal founded
- Dec 1994 Company name changed to Sungkwang Metal Co.,Ltd.
- Apr 1996 Company moved to Shingil-dong, Ansan
- Dec 1999 Company moved to Sunggok-dong, Ansan-si
- Feb 2001 ISO 9002 certified (CAS)
- Aug 2004 Increase capital by 100% (Capital 1,100 million won)
- Nov 2004 ISO 9001: 2000 / KSA 9001: 2001 Certified (DAS)
- Jun 2005 Company name changed to Hansteel Co.,Ltd.
- Venture Company Certification obtained
- Jun 2006 Daechang Industry Co.,Ltd. Participated by capital investment
- Nov 2006 Changed the company name to INSTEEL Co.,Ltd.
- Mr. Park Joo boom as CEO
- Apr 2014 ISO 14001:2004 Certified (German Cert.)
- Jan 2015 Company moved to Sihwa MTV Complex, Siheung-si
- Company name changed to INSTEEL INDUSTRY Co.,Ltd.
- Large Slitting Line Completed
- Jun 2022 Installed Leveller machine (No.4 Slitting Line)
- Jun 2024 Installed AGC (No.1 4-Hi reversing rolling mill)



AFFILIATED COMPANY

관계사

DAECHANG (주)대창
황동봉, 동불 전문 제조



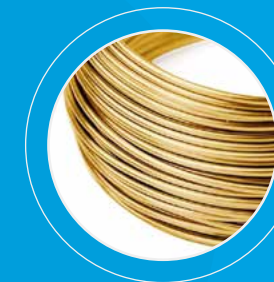
TAEWOO (주)태우
전선용 동로트, 빌레트, 슬라브

SEOWON (주)서원
황동 및 특수 잉고트, 빌레트

ESSEN TECH (주)에센테크
황동합금 냉난방 공조밸브
산업용 기술제품 제조



DAECHANG
Specializes in manufacturing
brass bars and copper bars
Production capacity:
150,000 tons/year



TAEWOO
Copper rods, billets, and
slabs for wires
Production capacity:
120,000 tons/year



SEOWON
Brass and special ingots and
billets
Production capacity:
84,000 tons/year



ESSEN TECH
Cooling and heating
air conditioning valves
and industrial technological
products



MANUFACTURING PROCESS

생산과정

완벽한 성분조합부터 첨단시스템 구축, 철저한 품질 관리까지
아이엔스틸의 모든 공정은 세계적 수준의 품질, 고객이 인정하는
최고의 만족도를 지향합니다.

Whole process of INSTEEL Industry points to the widely
recognized best quality and customer satisfaction from
perfect component to up-to-date system and intensive
quality management.

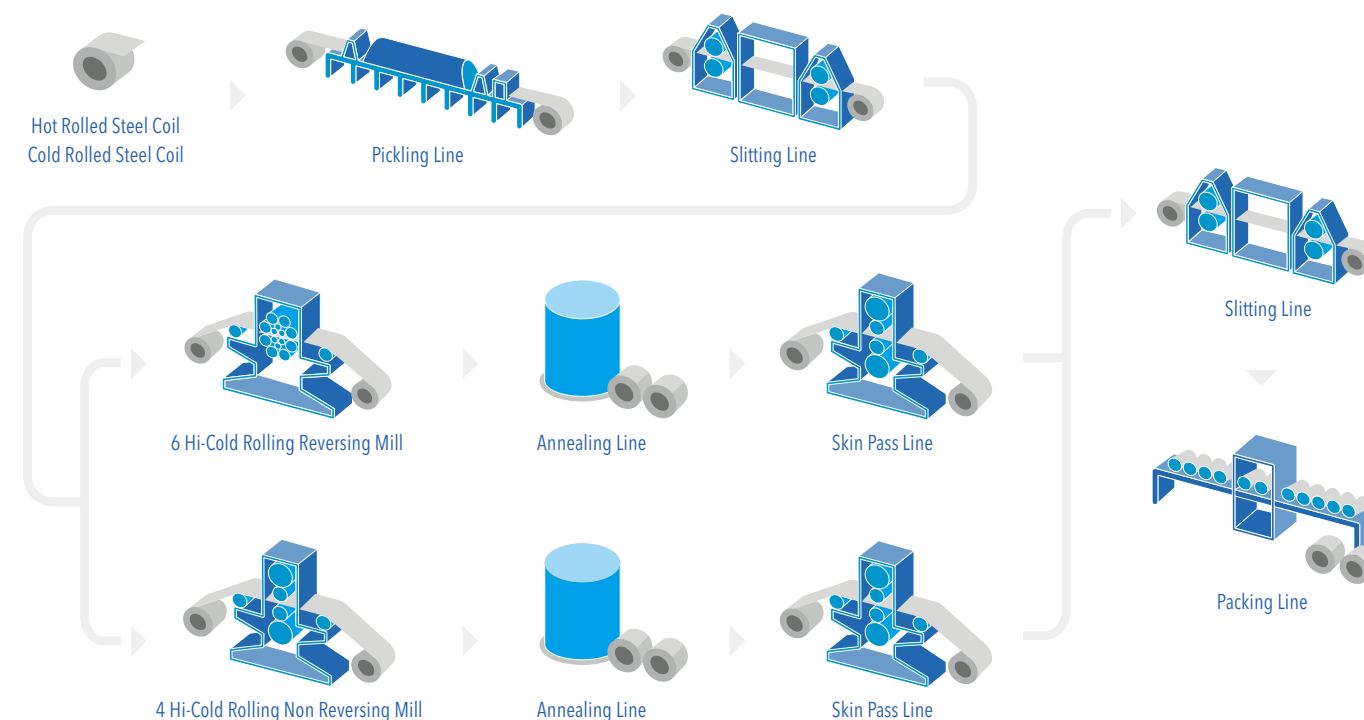


냉간압연 특수대강

대강이란 탄소 0.2~1.5%(당사 1.3%)까지의 고탄소강 및
특수합금강(Mn, Cr, V, Ni첨가강)으로, 최종 작업조건인 침탄,
소둔, 소입·소려 등의 열처리 과정을 거쳐 반복운동이 필요한
기계부품에 적합하도록 만든 고난도용 냉연강판입니다.
당사는 철저한 성분관리와 시스템 혁신으로 엄격하게 품질을
관리하고 있습니다.

Cold rolled special steel strip

Steel strip is cold rolled steel. It is produced for
machinery parts working repeatedly. Steel strip is
high carbon material or special alloy steel(added Mn,
Cr, V, and Ni) containig carbon content of 0.20 ~ 1.5%
(INSTEEL 1.3%) standards. We are managing the quality
with perfect elements control and system innovation.



PRODUCTS

제품소개



AUTOMOBILE PARTS 자동차 부품 | 구동계 부품

ENGINE · TRANSMISSION

HOSE CLAMP

- ▶ SK85M
- ▶ S60CM
- ▶ S65CM
- ▶ S70CM
- ▶ SAE1074M
- ▶ 50CrV4M



CLIPS

- ▶ SK85M
- ▶ S50CM
- ▶ 50CrV4M



DRIVEN PLATE

- ▶ SK85M
- ▶ S35CM
- ▶ S45CM
- ▶ S50CM
- ▶ S55CM
- ▶ SPFH590



DUST COVER

- ▶ S45CM
- ▶ S50CM
- ▶ S65CM



SNAP RING

- ▶ SK85M
- ▶ S45CM
- ▶ S50CM



DETENT SPRING

- ▶ SK85M
- ▶ 51CrV4M



BEARING RACE

- ▶ SAE1020M
- ▶ S35CM
- ▶ S45CM
- ▶ SPCC-1B/2B



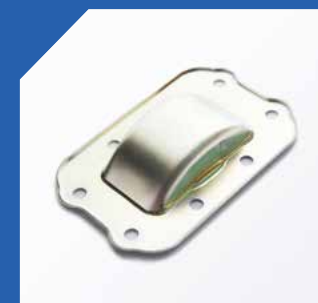
PLATE STOP

- ▶ SK85M



PTO COVER

- ▶ S45CM
- ▶ SPCC
- ▶ SPCD
- ▶ SPCE



SPACER

- ▶ SK85M
- ▶ S50CM
- ▶ SPCC



PRODUCTS

제품소개

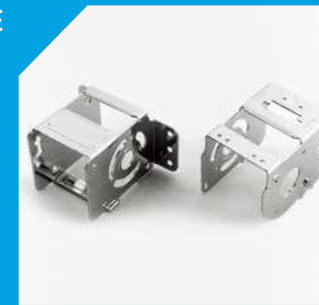


AUTOMOBILE PARTS 자동차 부품 | 기능성 부품

FUNCTIONAL COMPONENTS

BUCKLE FRAME

▶ SCM430M



DOOR LATCH

▶ SNCM220M



SAFETY BELT CASE

▶ S45CM
▶ SPFC590M



SEAT RAIL

▶ SPFC590M



SAFETY BELT SPRING

▶ SK85M
▶ SAE1078M



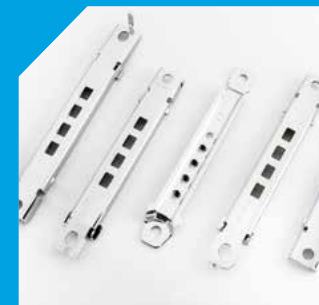
TONGUE

▶ S55CM
▶ SAE1060M



SEAT BELT ADJUSTER

▶ S55CM
▶ SCM430M
▶ SPFC780M
▶ SPFC590M



SEAT RECLINER

▶ SNCM220M



BRACKET

▶ SPCC
▶ S45CM



WASHER

▶ SK85M
▶ S45CM
▶ S50CM
▶ S60CM



PRODUCTS

제품소개

INDUSTRIAL PARTS 산업용 부품 | 기구 · 공구류

DEVICE & TOOLS

MEASURING TAPE

- ▶ SK85M
- ▶ SK95M



MEDICAL DEVICES

- ▶ SK95M
- ▶ SKS81M



KNITTING NEEDLE

- ▶ SK85M



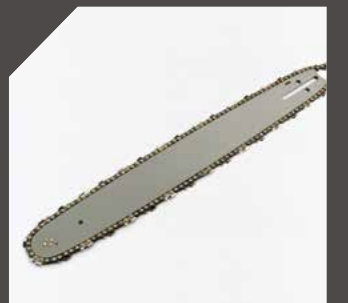
CLIP

- ▶ S50CM



CHAIN SAW

- ▶ SKS51M



SHANK

- ▶ SK85M
- ▶ SCM430M
- ▶ SCM435M



SAW BLADE

- ▶ SK85M
- ▶ SK95M
- ▶ SK105M



PRUNE SCISSOR

- ▶ SK85M
- ▶ S45CM



WEED KNIFE

- ▶ SK85M
- ▶ S70CM
- ▶ SKS51M



APPLICATION

적용산업

다양한 적용산업

철강 코일은 압연 후 권취되거나 감겨진 시트 또는 스트립과 같은 철강 완제품 형태입니다.

식품 가공장비, 가전제품, 의료장비, 건축 및 건축제품, 해양 시추 장비, 화학 및 제약장비, 물 저장 및 처리, 난방 및 에너지산업 등 다양한 분야에 사용됩니다.

스트립 강 또한 일반적으로 차체 패널 및 자동차 부품, 튜브, 가전 제품, 건축 자재 및 전기 부품 등에 널리 사용됩니다.

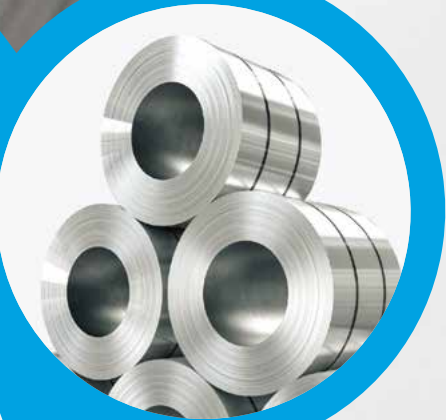


Various Applied Industries

Steel Coil, a finished steel product such as sheet or strip which has been wound or coiled after rolling.

Steel Coils are used in process equipment manufacturers such as Food Processing equipment, Home Appliances, Medical Equipment, Architectural and Building Products, Offshore Drilling Rigs, Chemical and Pharmaceutical Equipment, Water Storage and Processing, Heating and Energy.

Also Strip Steel is used in body panels and Automotive Components, Tubes, Home Appliances, Building Materials as well as Electrical Components.



CHEMICAL COMPOSITION

화학적 구성요소

Classification	Symbol					
	KS	GB	JIS	DIN	EN	SAE/AISI
High Carbon Steel Strip JIS G 3311	S30CM	30	S30CM	Ck30	-	1030
	S35CM	35	S35CM	Ck35	-	1035
	S45CM	45	S45CM	Ck45	-	1045
	S50CM	50	S50CM	Ck50	-	1050
	S55CM	55	S55CM	Ck55	-	1055
	S60CM	60	S60CM	Ck60	CS60	1060
	S65CM	65	S65CM	Ck65	-	-
	S70CM	-	S70CM	-	CS70	1070
	S75CM	-	S75CM	Ck75	CS80	1074
	S85CM	-	S85CM	-	-	-
Carbon Tool Steel Strip JIS G 3311	SK2M(SK120M)	T12	SK2M	C125W2	BW1C	-
	SK3M(SK105M)	T10	SK3M	C105W2	BW1B	1095
	SK4M(SK95M)	-	SK4M	-	-	1086
	SK5M(SK85M)	-	SKS5M	-	-	-
	SK6M(SK75M)	-	-	-	-	-
	SK7M(SK65M)	-	-	-	-	-
	SK5M Mo	T8	SK5M	-	-	-
	SK2M Cr4	-	SK2M Cr4	-	-	-
Alloy Tool Steel Strip JIS G 3311	SKS2M	-	-	-	-	-
	SKS5M	-	SKS5M	-	-	-
	SKS7M	-	-	-	-	-
	SKS51M	-	SKS51M	-	-	-
Nickel Chromium Steel Strip JIS G 3311	SNC415M	-	SNC415M	-	-	-
Nickel Chromium Molybdenum Steel Strip JIS G 3311	SNCM220M	-	SNCM220M	-	805A20	8615
					805M20	8620
Manganese Steel Strip JIS G 3311	SMn420M	-	SMn420M	-	120M19	1527
					150M19	
	SMn433M	-	SMn433M	-	120M36	1536
					150M36	
Chromium Molybdenum Steel Strip JIS G 3311	SCM415M	15CrMo	SCM415M	15CrMo	1502-620	-
	-	-	-	16MnCr5M	-	-
	SCM420M	-	SCM420M	-	708M20	-
	SCM430M	-	SCM430M	-	708A30	4130
	SCM435M	35CrMo	SCM435M	34CrMo	708A37	4135
					709A37	
	SCN440M	-	SCN440M	42CrMo4	708A40	4140
					709M40	4142
Spring Steel Strip JIS G 3311	SUP10M	50CrV4	SUP10M	50CrV4	En47	6150
	-	51CrV4	-	51CrV4	-	-
	-	58CrV4	-	58CrV4	-	-
	SAE1552	-	-	-	-	-

Chemical Composition									
C	Si	Mn	P	S	Cu	Ni	Cr	Ni + Cr	Specific usage
0.27~0.33	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	0.35 Max	Retainer Washer Clutch Parts
0.32~0.38	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	0.35 Max	Chain Parts
0.42~0.48	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	0.35 Max	Spring
0.47~0.53	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	0.35 Max	Umbrella Rib
0.52~0.58	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	0.35 Max	Can Opener
0.55~0.65	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	-	Saw Blade
0.60~0.70	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	-	Shoe Shank
0.65~0.75	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	-	Camera Parts
0.70~0.80	0.15~0.35	0.60~0.90	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	-	Automobile Parts
0.80~0.90	0.15~0.35	0.70~1.00	0.030 Max	0.035 Max	0.30 Max	0.20 Max	0.20 Max	-	etc,
1.15~1.25	0.10~0.35	0.10~0.50	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.30 Max	-	Spring
1.00~1.10	0.10~0.35	0.10~0.50	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.30 Max	-	Saw Blade
0.90~1.00	0.10~0.35	0.10~0.50	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.30 Max	-	Stationery Knife
0.80~0.90	0.10~0.35	0.10~0.50	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.30 Max	-	Clock Spring
0.70~0.80	0.10~0.35	0.10~0.50	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.30 Max	-	knitting Needle
0.60~0.70	0.10~0.35	0.10~0.50	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.30 Max	-	Clutch Parts
0.80~0.90	0.35 Max	0.50 Max	0.030 Max	0.030 Max	-	-	0.20 Max	-	etc,
0.17~1.23	0.15~0.25	0.35~0.5	0.020 Max	0.050 Max	-	-	0.30 Max	-	
1.00~1.10	0.35 Max	0.50 Max	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.50~1.00	-	Saw Blade
0.75~0.85	0.35 Max	0.50 Max	0.030 Max	0.030 Max	0.25 Max	0.25 Max	0.20~0.50	-	Stationery Knife
1.10~1.20	0.35 Max	0.50 Max	0.030 Max	0.030 Max	0.25 Max	0.70~1.30	0.20~0.50	-	etc,
0.75~0.85	0.35 Max	0.50 Max	0.030 Max	0.030 Max	0.25 Max	1.30~2.00	0.20~0.50	-	
0.12~0.18	0.15~0.35	0.35~0.65	0.030 Max	0.030 Max	0.30 Max	2.00~2.50	0.20~0.50	-	Machinery parts
0.17~0.23	0.15~0.35	0.60~0.90	0.030 Max	0.030 Max	0.30 Max	0.40~0.70	0.40~0.65	-	Recliner
0.17~0.23	0.15~0.35	1.20~1.50	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.30 Max	-	Chain Parts
0.30~0.36	0.15~0.35	1.20~1.50	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.30 Max	-	etc,
0.13~0.18	0.15~0.35	0.60~0.85	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.90~1.20	-	Chain Parts
0.14~0.16	0.10 Max	1.00~1.10	0.020 Max	0.005 Max	0.10 Max	0.10 Max	0.80~0.90		Engine Tappet
0.18~0.23	0.15~0.35	0.60~0.85	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.90~1.20	-	Safety Buckle
0.28~0.33	0.15~0.35	0.60~0.85	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.90~1.20	-	Machinery parts
0.33~0.38	0.15~0.35	0.60~0.85	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.90~1.20		Cutter
0.38~0.43	0.15~0.35	0.60~0.85	0.030 Max	0.030 Max	0.30 Max	0.25 Max	0.90~1.20		etc,
0.47~0.55	0.40 Max	0.60~0.95	0.035 Max	0.035 Max	0.30 Max	-	0.80~1.10	-	Special Spring, etc
0.50~0.55	0.20~0.35	0.85~1.10	0.020 Max	0.010 Max	-	-	1.00~1.20		Special Spring, etc
0.55~0.62	0.15~0.40	0.70~1.1	0.025 Max	0.015 Max	-	-	0.90~1.20		Special Spring, etc
0.46~0.55	1.20~1.55	0.15~0.30	0.040 Max	0.050 Max	-	-	-	-	

CERTIFICATE



인증현황

ISO 9001과 ISO 14001 품질 및 환경 시스템을 획득하여 고객에게 보다 나은 서비스를 제공하기 위해 노력하고 있습니다.

Our best quality is controlled by quality control system in accordance with ISO 9001 and ISO 14001 to meet our customer's expectation.



ISO 9001



ISO 14001

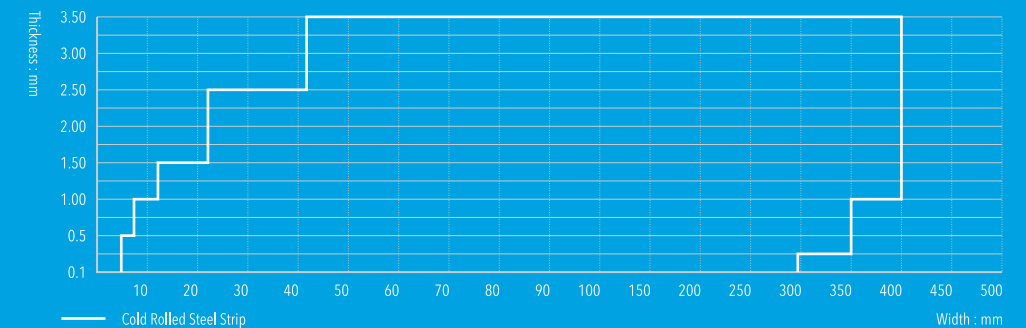
QUALITY CONTROL

품질관리

세계 기준에 맞는 첨단 시스템의 개발, 공정의 혁신, 끊임없는 품질개선을 고객과의 신뢰와 함께 철강산업의 선도적 역할을 다하겠습니다.

We will fulfill our duty as a leading company in steel industry together with the fullest confidence of the customers with high-technology system development coming up to world standard, process innovation and continuous quality improvement.

PRODUCT STANDARDS 생산가공규격



TOLERANCE 제품공차

Standards	KS & JIS			INSTEEL Standards	Width	
	A	B	C		0 ~ 199	200 ~ 400
Thickness	Width 160 Max	Width 160~249	Width 250~400			
0.14 - Max	±0.010	±0.015	-	±0.005	±0.010	-
0.15 - 0.24	±0.015	±0.020	-	±0.008	±0.015	±0.020
0.25 - 0.39	±0.020	±0.025	±0.030	±0.010	±0.020	±0.025
0.40 - 0.59	±0.025	±0.030	±0.035	±0.015	±0.025	±0.030
0.60 - 0.89	±0.030	±0.040	±0.040	±0.015	±0.030	±0.040
0.90 - 1.19	±0.040	±0.050	±0.045	±0.020	±0.040	±0.050
1.20 - 1.59	±0.050	±0.060	±0.050	±0.020	±0.050	±0.060
1.60 - 2.09	±0.055	±0.065	±0.060	±0.025	±0.055	±0.065
2.10 - 2.49	±0.065	±0.070	±0.075	±0.025	±0.065	±0.070
2.50 - 2.99	±0.070	±0.075	±0.080	±0.030	±0.070	±0.075
3.00 - 3.49	±0.075	±0.080	±0.090	±0.030	±0.075	±0.080
3.50 -	±0.080	±0.090	±0.095	±0.035	±0.080	±0.090



CUSTOMER SATISFACTION

고객만족

(주)아이엔스틸은 다양한 제품, 소량생산, 신속한 생산·납품 서비스를 제공하며 고객의 요구에 세심하게 대응하고 있습니다. 수년에 걸쳐 축적된 기술을 바탕으로 고안된 고품질 제품은 다양한 산업 분야의 까다로운 품질 요구 사항을 충족합니다.

INSTEEL provides a wide variety of products, small lot production, fast lead times, and respond to customer requests with thoughtful service.

Devised from technologies built up over years, our high quality products meet the needs and toughest quality requirements of various industries.

신뢰할 수 있는 품질 제공

고객이 필요로 하는 소재를 납품하고, 제품별로 서로 다른 디자인을 적용하며, 엄격한 품질 관리를 통해 고객이 신뢰할 수 있는 품질을 제공합니다.

풍부한 제품 라인업

최소 0.08mm부터 최대 4.0mm까지 다양한 강종과 소재의 제품을 제공하고 있습니다.

소량 생산 및 신속한 생산·납품

유연하고 신속한 리드타임으로 소규모 로트(0.5톤부터)까지 출고합니다.

세심한 서비스

고객의 요구에 가장 적합한 재료를 선택하는 것부터 기술적인 문제를 해결하기까지 당사의 기술 부서는 까다롭고 세심한 서비스를 제공합니다.

FEATURES

Supplying Dependable Quality

We deliver the materials you need, applying different design by product and ensuring rigorous quality management to achieve quality you can depend on.

Rich Product Lineup

We offer products in various steel grades and materials, ranging from minimum 0.08 mm to maximum 4.0 mm.

Small Lot Production and Fast Process

We deliver in small lots (starting at 0.5 ton) with flexible and fast lead times.

Meticulous Service

From selecting materials best suited to your needs to helping you resolve technical challenges, we deliver the meticulous technical service.