

SJK *Company Profile*

SEJIN P & S KOREA Co., Ltd.

Getting to know SEJIN

*We SEJIN Company has worked on Two Division as
MANUFACTURING and HOLDINGS*

● MANUFACTURING DIVISION

We are fully qualified and reliable manufacturer and supplier so we are able to guarantee the fully compliance with specifications.

We have produced for Flange & Forging products and also we started producing for the kind of Coupling, Adaptor and Dismantling Joint item on January 01, 2015.

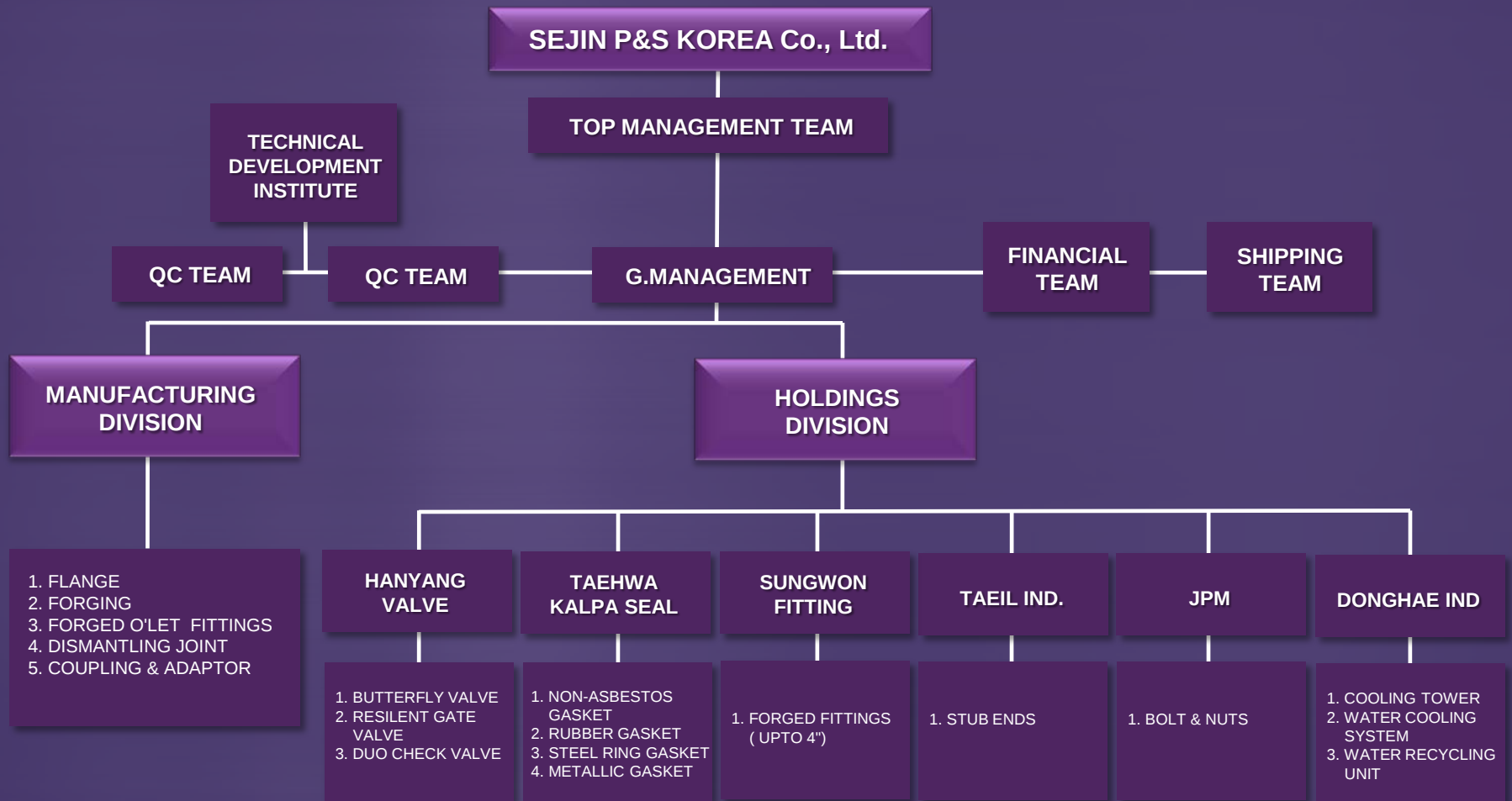
● HOLDINGS DIVISION

We **SEJIN** supplies a complete program of high-quality to companies in the following industries:

Desalination, Water, Tank Storage, Oil & Gas, Petrochemical, Industrial projects.

Our scope of products is high-quality Flange, Forged Fitting, Dismantling Joint, Coupling Products and also Gasket, Bolt & Nuts, Butterfly Valves and Cooling Tower & Water Treatment Plants.

Organization Chart



Scope of work

- 1 Forging Company** : Manufacturer for the Forging & Heat Treatment
Name : Hyundai Forging Ind. Co., Ltd.
Taeheung Forging Co., Ltd.
- 2 Machining** : Manufacturer for the Machining
Name : Hwajeon Work Shop : Machining for the Middle Size
Gimhae Work Shop : Cover the all the size Machining
Special item Machining by outsource like as Weld overlay and etc.
- 3 Head Office & Final Inspection, Packing**
(1st Work Shop) General Office & Document Control
PMI & Mechanical ,Final Dimensional Inspection
Packing process
(2nd Work Shop) Manufacture for the Joint & Coupling Item
QA/QC Office

TESTING EQUIPMENTS



Positive Material Identification



Brinell Hardness Tester



Charpy Impact Test Machine



Ultra Testing Machine
(Digital Type)



Portable Hardness Tester



UT Tester



Vernier Caliper
(150mm ~ 1,500mm)

FACTORY VIEW



PRODUCT

Dismantling Joint

* *Features and Benefits*

Longitudinal adjustment

- Accommodates up to 50mm/2" longitudinal adjustment
- Can be locked at required length with tie bars supplied
- Allows for fast and simple maintenance of valves and pumps
- Simplifies future pipework modifications and reduces down time

Ease and speed of installation

- Installed with a spanner and a torque wrench
- Fewer tie bars than flange holes
- Tie bars act as flange jointing bolts, reducing the number of flange bolts required
- Harnessing accommodated within the bolt circle, eliminating other complex anchoring systems and reducing space requirements

Range

- Comprehensive range from DN40 (1 1/2") to over DN2000 (80")
- Custom made dismantling joints on request

Gaskets

- Fitted with Grade E (EPDM) water quality gaskets as standard, other grades available

Sealing

- Gasket is compressed independently of the tie bars
- Sealing failure cannot occur once the gasket is compressed to the required torque

Working pressure

All Viking Johnson Dismantling Joints are fully end load resistant and have a pressure rating equal to that of the flange.

Product quality

- Designed and manufactured to BS EN ISO 9001
- Tested to the most exacting requirements of WRAS Water Regulatory Advisory Scheme
- Designed to outlast the pipes on which they are fitted

Corrosion and protection

- Flange adaptor and flange spigot coated with Rilsan Nylon 11 as standard
- Rilsan Nylon 11 provides excellent protection from transport, storage, site and corrosion damage
- Alternative finishes are also available
- Tie bars are Zn3 zinc plated as standard, other grades/finishes available

Full face flange

For applications where a full face flange is required i.e. wafer and butterfly valves, the flange of the spigot piece provides a full flange sealing area

PRODUCT

Dismantling Joint

◆ DISMANTLING JOINT Rigid Type for Steel & Ductile Iron Pipes



◆ DISMANTLING JOINT Manufacturer Standard Type for Steel & Ductile Iron Pipes

NO.	DESCRIPTION	MATERIAL – A	MATERIAL - B	APPLICABLE STD
1	PIPE	CS or SS STEEL	DUCTILE IRON	
2	RETAINER	CS or SS STEEL	DUCTILE IRON	EN 1563
3	BODY	CS or SS STEEL	DUCTILE IRON	
4	BOLT & NUTS	CS or SS STEEL (Zinc / Dacro)		
5	SEAL RING	EPDM / NBR		EN 681
6	COATING	FBE / EPOXY / RISIN		EN 14901

PRODUCT

Couplings

UNIVERSAL COUPLING (WIDE RANGE)



NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	APPLICABLE STD
1	SLEEVE	CS or SS STEEL	DUCTILE or CAST IRON	
2	END RING	CS or SS STEEL	DUCTILE or CAST IRON	EN 1563
3	BOLT AND NUT	CS or SS STEEL (Zinc / Dacro)		
4	GASKET (Seal Ring)	EPDM / NBR		EN 681
5	COATING	FBE / EPOXY / RISIN		EN 14901

FLEXIBLE COUPLINGS FOR STEEL & DUCTILE IRON PIPE (PVC, UPVC, PU and AC Pipes are available)

NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	APPLICABLE STD
1	PIPE	CS or SS STEEL	DUCTILE IRON	
2	RETAINER	CS or SS STEEL	DUCTILE IRON	EN 1563
3	BODY	CS or SS STEEL	DUCTILE IRON	
4	BOLT AND NUT	CS or SS STEEL (Zinc / Dacro)		
5	SEAL RING	EPDM / NBR		EN 681
6	COATING	FBE / EPOXY / RISIN		EN 14901



STEP COUPLING (WIDE RANGE AND SINGLE RANGE)



NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	APPLICABLE STD
1	PIPE	CS or SS STEEL	DUCTILE IRON	
2	RETAINER	CS or SS STEEL	DUCTILE IRON	EN 1563
3	BODY	CS or SS STEEL	DUCTILE IRON	
4	BOLT AND NUT	CS or SS STEEL (Zinc / Dacro)		
5	SEAL RING	EPDM / NBR		EN 681
6	COATING	FBE / EPOXY / RISIN		EN 14901

PRODUCT

Flange Adaptors

◆ UNIVERSAL FLANGE ADAPTOR (WIDE RANGE)



NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	STANDARD
1	BODY	CS or SS STEEL	DUCTILE or CAST IRON	
2	END RING	CS or SS STEEL	DUCTILE or CAST IRON	EN 1563
3	BOLT AND NUT	CS or SS STEEL (Zinc / Dacro)		
4	GASKET (Seal Ring)	EPDM / NBR		EN 681
5	COATING	FBE / EPOXY / RISIN		EN 14901

◆ FLANGE ADAPTOR FOR STEEL & DUCTILE IRON PIPE

(Flange Drilling to BS4504 / EN1092-1 / DIN2501) PN10 / 16



NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	STANDARD
1	PIPE	CS or SS STEEL	DUCTILE IRON	
2	RETAINER	CS or SS STEEL	DUCTILE IRON	EN 1563
3	BODY	CS or SS STEEL	DUCTILE IRON	
4	BOLD & NUT	CS or SS STEEL (Zinc / Dacro)		
5	SEAL RING	EPDM / NBR		EN 681
6	COATING	FBE / EPOXY / RISIN		EN 14901

PRODUCT

Flange Adaptors

➤ QUICK FLANGE ADAPTOR (FOR PE/PVC PIPE & CS, DUCTILE IRON PIPE) (PN10 / 16 Multi Flange Drilling Hole)



▲ For PVC, and DI pipe



▲ For PE pipe

NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	APPLICABLE STD
1	BODY	CS or SS STEEL	DUCTILE IRON	
2	RUBBER	EPDM / NBR		EN 681
3	RING	BRASS		EN 681
4	BOLT AND NUT	CS or SS STEEL (Zinc / Dacro)		
5	COATING	FBE / EPOXY / RISIN		EN 14901

➤ RESTRAINED FLANGE ADAPTOR (FOR HD-PE PIPE)



NO.	DESCRIPTION	MATERIAL - A	MATERIAL - B	APPLICABLE STD
1	BODY	CS or SS STEEL	DUCTILE IRON	EN 1563
2	RUBBER	EPDM / NBR		EN 681
3	RING	BRASS		EN 681
4	BOLT AND NUT	CS or SS STEEL (Zinc / Dacro)		
5	COATING	FBE / EPOXY / RISIN		EN 14901

PRODUCT

Forging & Flanges



Flange



Blind



Welding Neck



Long Welding Neck



Slip On



Socket Welding



Threaded



Spectacle Blind



Orifice



Lap Joint

PRODUCT

Special Flanges



Special Flange



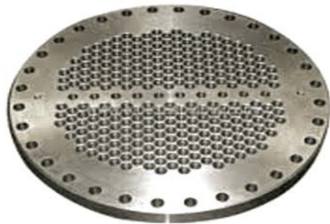
Special Flange



Special Flange



Special Flange



Tube Sheet



Reinforced Flange



Bleed Ring



Special Flange

PRODUCT

Forged Fitting & O'let



Product Range

PRODUCT RANGE

Applicable STD	Type	Working Pressure	Product Range	Material Of Construction	BRAND	Country Of Origin	Re
ACC' TO BS EN STANDARD	COUPLING	All SJK Dismantling Joints are fully end load resistant and have a pressure rating equal to that of the flange.	DN40~DN2000	CS STEEL STAINLESS STEEL CAST IRON DUCTILE IRON	SJK	KOREA	
	ADAPTOR				SJK	KOREA	
	EXPANSION JOINT				SJK	KOREA	
	DISMANTLING JOINT				SJK	KOREA	

FORGED O'LET & FITTINGS

Applicable STD	Type of Flange	Class Range	Product Range	Material Of Construction	BRAND	Country Of Origin	Re
MSS SP-97 ASME.ANSI B16.11 (BONNEY FORGE)	WELDOLET		UPTO 24"	CARBON STEEL : A105/N, A350 LF2 CL1 A694 F42~65 ALLOY STEEL : A182 F11 CL2, A182 F22 CL3 STAINLESS STEEL : A182 F304/L, A182 F316/L A182 F317/L, A182 F321 A182 F51, A182 F347 SUPER DUPLEX STEEL INCONEL 625, ALLOY20 MONEL 400 , C-276	SJK	KOREA	
	SOCKOLET	2000LB ~ 9000LB	UPTO 4"		SJK	KOREA	
	THREDOLET	2000LB ~ 9000LB	UPTO 4"		SJK	KOREA	
	NIPPOLET	2000LB ~ 9000LB	UPTO 4"		SJK	KOREA	
	SWAGE NIPPLE		UPTO 4"		SJK	KOREA	
	LATROLET	2000LB ~ 9000LB	UPTO 4"		SJK	KOREA	
	ELBOLET	2000LB ~ 9000LB	UPTO 4"		SJK	KOREA	
	SWEEPOLET		UPTO 24"		SJK	KOREA	
	WELDO FLANGE	150LB ~ 2500LB	UPTO 4"		SJK	KOREA	

Product Range

FORGING & FLANGES

Applicable STD	Type of Flange	Class Range	Product Range	Material Of Construction	BRAND	Country Of Origin	Re
ASME B16.5	Welding Neck	150LB ~ 2500LB	UPTO 24"	CARBON STEEL : A105/N, A350 LF2 CL1 A694 F42~65 ALLOY STEEL : A182 F11 CL2, A182 F22 CL3 STAINLESS STEEL : A182 F304/L, A182 F316/L A182 F317/L, A182 F321 A182 F51, A182 F347 SUPER DUPLEX STEEL INCONEL 625, ALLOY20 MONEL 400 , C-276	SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
	Threaded				SJK	KOREA	
	Lap Joint				SJK	KOREA	
	Long Welding Neck				SJK	KOREA	
ASME B16.47 "A" ASME B16.47 "B"	Welding Neck	150LB ~ 900LB	UPTO 60" (MAX' 144")		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
BS3293	Slip On	150LB ~ 600LB	UPTO 60"		SJK	KOREA	
BS/EN 1092-1	Welding Neck	PN6 ~ PN160	UPTO 2,000A		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
	Threaded				SJK	KOREA	
	Lap Joint				SJK	KOREA	
JIS B2220	Welding Neck	5K ~ 64K	UPTO 2000A		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
JPI	Welding Neck	150LB ~ 2500LB	UPTO 24"		SJK	KOREA	
AWWA C207	Slip On	150PSI ~ 275PSI	UPTO 144"		SJK	KOREA	
	Blind				SJK	KOREA	
DIN	Welding Neck	PN6 ~ PN160	UPTO 2000A		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
TAYLOR	Welding Neck	75LB ~ 300LB	UPTO 60"		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
NORSOK	Welding Neck	150LB ~ 2500LB	UPTO 24"		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
API FLANGES 1. API 6A 6BX 2. API 17A 3. SWIVEL	Welding Neck	3000LB ~ 20000LB (150LB~2500LB)	UPTO 24"		SJK	KOREA	
	Slip On				SJK	KOREA	
	Blind				SJK	KOREA	
ANSI/ASME B16.36 (ORIFICE)	Welding Neck	300LB~2500LB	UPTO 24"		SJK	KOREA	
	Slip On				SJK	KOREA	
ANSI/ASME B16.48 API590 / FIG.8	SPECTACLE BLANK & SPACER	150LB ~ 2500LB	UPTO 60"		SJK	KOREA	
ASME B16.5	REDUCING FLANGE	150LB ~ 2500LB	UPTO 60"		SJK	KOREA	
API	STUDDED CROASSES & TEES	2000LB ~ 20000LB	CUSTOMER SPEC'		SJK	KOREA	
JACKET FLANGE			UPTO 24"		SJK	KOREA	
FORGE NECK (FVC TYPE)		150LB ~ 2500LB	UPTO 24"		SJK	KOREA	
BLEED , DRIP RING		150LB ~ 2500LB	UPTO 24"		SJK	KOREA	
FORGE NOZZLE			MAX OD1,500 MM		SJK	KOREA	
CUSTOMER DETAIL DRAWING , T/SHEET, G.FLANGE			MAX OD3,000 MM		SJK	KOREA	
FORGED DISC			MAX OD3,000 MM		SJK	KOREA	
FORGED RING			MAX OD3,000 MM		SJK	KOREA	
FORGED PIPE , MAX 2,000L			MAX OD400 MM		SJK	KOREA	

Family Companies

We have made a **SEJIN** Company and have been set up our family and Cooperation companies each specialized in their manufacturing products under our own and join brand

- **Butterfly Valves** - Han Yang Valve Co., Ltd.
- **Gasket** - Tae Hwa Kalpa Seal Co., Ltd.
- **Forged Fitting** - Sung Won Fitting Co., Ltd.
- **Butt welding Fitting (Stub Ends)**- Taeil Co., Ltd.
- **Bolt & Nuts** – JPM & World Eng'
- **Cooling Tower Plant** - Dong Hae Industrial Co., Ltd.

Family Companies

SEJIN P & S KOREA Co., Ltd.



SUNG WON
FORGED FITTINGS

TAEIL IND. Co

JPM



► Butterfly Valve Division

SEJIN P & S KOREA Co., Ltd.



SUNG WON
FORGED FITTINGS

TAEIL IND. Co

JPM



HANYANG Valve Co., Ltd.

- Butterfly Double Eccentric PN 10 DN 1400 (WCB/MOV)



- Butterfly Concentric ANSI 150p DN 1800 (WCB/MOV)



- Butterfly Triple Eccentric ANSI 150p DN 750 (A494-35-1)

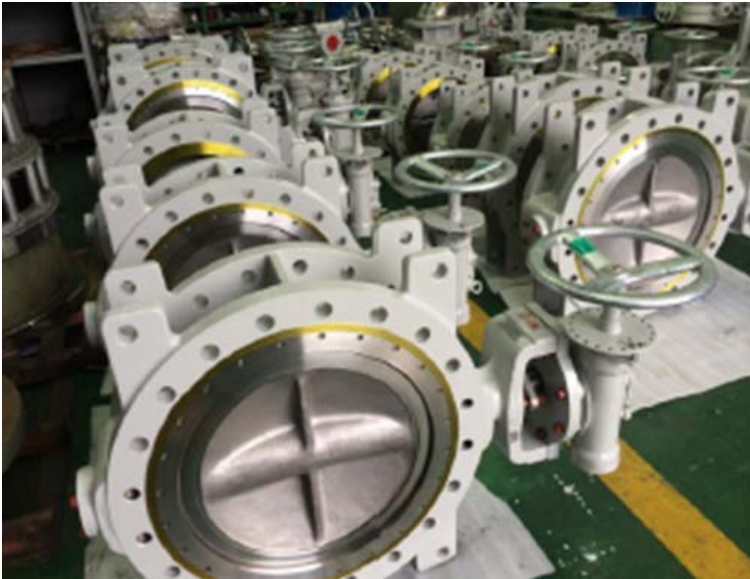


- Modec Ten Project – triple offset valve



HANYANG Valve Co., Ltd.

- Modec Ten Project – triple offset valve



- Samsung Asan Tangjung A3 project



► Gasket Division

SEJIN P & S KOREA Co., Ltd.



SUNG WON
FORGED FITTINGS

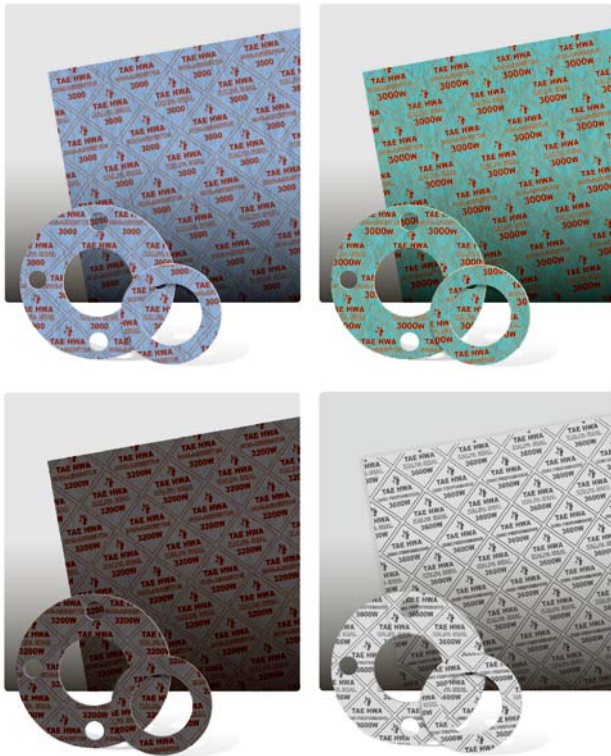
TAEIL IND. Co

JPM



PRODUCTS SPECIFICATION

- Gasket & Compressed Non-asbestos Sheet
 - Non-metallic Gasket & Non-asbestos Sheet



Compressed Non-asbestos Sheet & Gasket

Manufactured by hot calendar process using high quality non-asbestos fibers and oil resistant synthetic rubber, Specially, this sheet has oil superior sealability with excellent oil resistance.

PRODUCTS SPECIFICATION

- Semi-metallic Gasket



Spiral Wound Gasket

Spiral-type gasket is an ideal type among the semi-metal gaskets. The V-shaped plate and non-metal fillers are overlapped, and they are wrapped into the spiral pattern and the two ridges are soldered together. As it is consisted of flexible metal and smooth filler, it has the following excellent gasket function:

- To be used for high pressure and high temperature
- Automatically adjusts to the changes of the pressure, temperature and vibration
- Has excellent sealing capability compare to the size
- Has excellent sealing capability on the irregular flange surgace
- Any shape of size is available with resonable price
- Hoope and filler materials can be selected according to the special operation conditions

PRODUCTS SPECIFICATION

- Metallic Gasket



Ring Type Joint Gasket

Known as RTJ. It's suitable for high temperature and pressure environment pipe flange, pump, valve joint. Standards are manufactured to meet both API 6A and ASME B16.20 sizes and ratings.



Kamprofile Gasket

It's serrated metal gasket and widely used on high pressure & high temperature plumbing flanges and is ideal for the pressure vessels, heat exchangers and valve bonnet. It has smaller contact area and has excellent sealing effect with lower torque than flat metal gasket.

► Forged Fitting Division

SEJIN P & S KOREA Co., Ltd.



SUNG WON
FORGED FITTINGS

TAEIL IND. Co

JPM



PRODUCTS



45 DEG ELBOW



90 DEG ELBOW



COUPLING



CROSS



HEX-HEAD-BUSHING



HEX-HEAD-PLUG

PRODUCTS



THREAD-COUPLING



THREAD-CROSS



THREAD-HALF-COUPLING



THREAD-INSERT



THREAD-NIPPLE



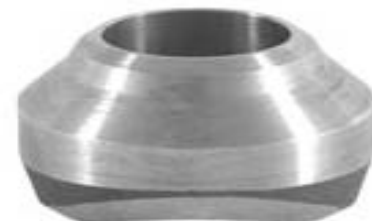
THREAD-OUTLET



THREAD-TEE



THREAD-UNION



WELDING-OUTLET

► Butt Welding Fitting Division

SEJIN P & S KOREA Co., Ltd.



SUNG WON
FORGED FITTINGS

TAEIL IND. Co

JPM



Product Introduction

Stub End : ½" ~ 100" available(We can produce bigger size too)

Stub ends are installed in pairs and mated together with two lap joint flanges. The surface of the stub end has a phonographic serrated gasket surface which prevents leakage at the joint.

Using Stub end allows sections of the line to be opened for cleaning, inspection or quick replacement etc, without the need of re-welding.

It is used much more than Long Neck Flange, easy to assemble, can be the most preferred product at a reasonable price and with the suitable production facilities.



Manufacturing Process



<Material Cutting>



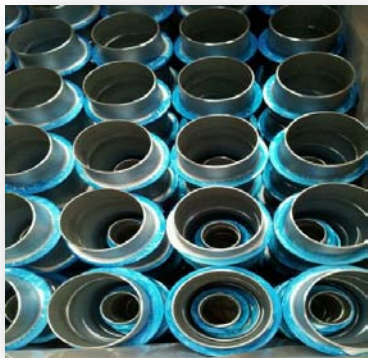
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<Welding>



<Forming & Calibration>



<Inspection & Packing>



<Pickling>



< Precision Machining>



<Shoting & Sanding>

► Bolt & Nuts

SEJIN P & S KOREA Co., Ltd.



SUNG WON
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● PRODUCT - Bolts



▲ Special Bolts



▲ Special Head Bolts



▲ Hexagon Bolts



▲ Heavy Hexagon Bolts



▲ Eye Bolts



▲ Set Anchor Bolts



▲ High-Strength Bolts, Nut, Washer Set



▲ Hexagon Socket Head Cap Screws



▲ Stud Bolts



▲ Stud Bolts(Stainless Steel)

● PRODUCT - Nuts



▲ Hexagon Nuts



▲ Wing Nuts



▲ Cap Nuts



▲ Special Nuts



▲ Eye Bolts, Nuts



▲ Nylon Nuts & Flange Nuts

► Cooling Tower Plant & Grating Division

SEJIN P & S KOREA Co., Ltd.



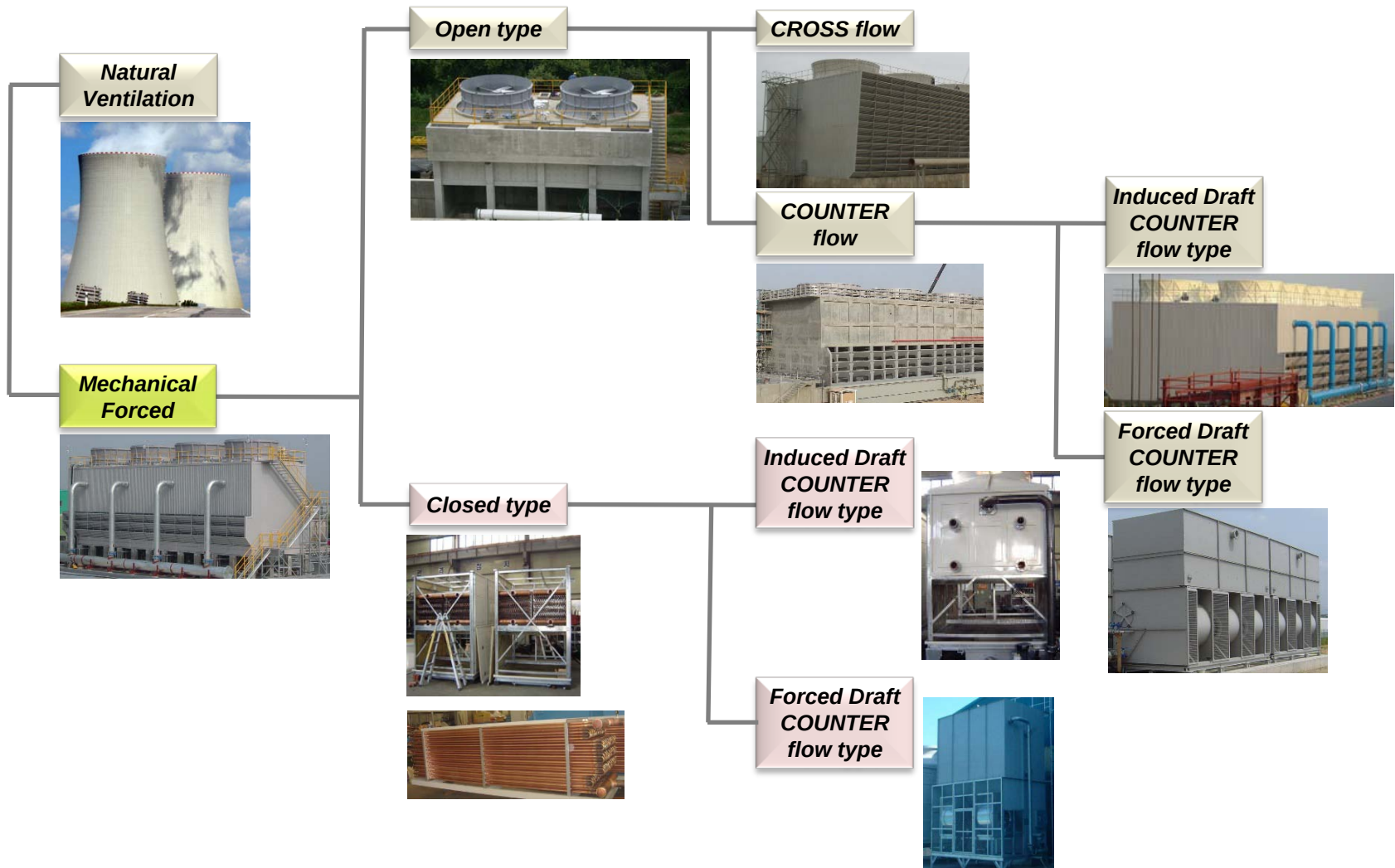
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- Cooling Tower Classification



- Cooling Tower

Induced Draft COUNTER Flow Type
COOLING TOWER



SEA WATER COOLING TOWER
ROLLING MILL Project
MA'ADEN, Ras Al Khair, Kingdom of Saudi Arabia

Cooling water Capacity : 14,000 m³/hr
Fan Ass'y : Axial Flow Fan ø8,534 x 5sets
Fan Motor : 150KW x 4P x 5sets
Structure Material : R/F Concrete

Induced Draft COUNTER Flow Type
COOLING TOWER



ELECTRONICS Plant, Korea

Cooling water Capacity : 19,800m³/hr
Fan Ass'y : Axial Flow Fan ø8534 x 6sets
Fan Motor : 150KW x 4/8P x 6sets
Structure Material : F.R.P

- Cooling Tower

Induced Draft COUNTER Flow Type
COOLING TOWER



Electrincs Plant, Korea

Cooling water Capacity : 23,700 m³/hr
Fan Ass'y : Axial Flow Fan ø7915(26ft) x 7sets
Fan Motor : 150KW x 4P x 7sets
Structure Material : FRP

Induced Draft COUNTER Flow Type
COOLING TOWER



**POWER PLANT, AL-Tuwairqi Steel Mill Company,
Kingdom of Saudi Arabia**

Cooling water Capacity : 7,200 m³/hr
Fan Ass'y : Axial Flow Fan ø3960(13ft) x 16sets
Fan Motor : 37KW x 4P x 16sets
Structure Material : H.D. Galvanized Steel

- Cooling Tower

STANDARDIZED COOLING TOWER
(TG Series : Cross type)



Standardized TG & NTG Series Cooling Tower

TG-100, TG-150, TG-200, TG-250, TG-300, TG-400,
TG-500, TG-600, TG-750, TG-800, TG-900, TG-1000
... and more

NTG-300, NTG-400, NTG-500, NTG-600, NTG-800, NTG-
1000, NTG- 1500, NTG-1000 ... and more

STANDARDIZED COOLING TOWER
(XT Series : Counter type)



Standardized XT Series Cooling Tower

XT-50, XT-60, XT-80, XT-100, XT-150, XT-200, XT-250,
XT-300, XT-400, XT-500, XT-600, XT-750, XT-800, XT-900,
XT-1000, XT-1250, XT-1500, XT-2000 ... and more

- Cooling Tower

FORCED CLOSED CIRCUIT COOLING TOWER



Forced draft Closed Circuit Cooling Tower

- Fan : Silico Fan (Forced type)
- In side Closed Tube material : Cu-Tube, H.D.G Steel Tube
- Cooling Capacity : 5R/T ~ 1,000R/T / unit

**FORCED DRAFT COUNTER FLOW TYPE
COOLING TOWER**



Forced draft Counter flow type Cooling Tower

- Fan : Silico Fan (Forced type)
- In side Fill : PVC, P.P, ETC
- Cooling Capacity : 5R/T ~ 1,000R/T / unit

- Water Cooling System



Chemical Dosing
Unit



Local Panel



Auto Strainer



Steel Structure,
Pipe Rack & Piping



Pump & Piping Work



Heat Exchanger

SEJIN P & S KOREA Co., Ltd.



SUNG WON
FORGED FITTINGS

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