CSP

CORRUGATED STEEL PIPE

A Leading Corrugated Steel Pipe
Company Expanding Globally

영남산업(주)
YOUNGNAM IND. CO., LTD.

CEO MESSAGE

Pioneering Pipe Solutions with Unmatched Quality and Customer Focus At Young Nam Industry, we specialize in manufacturing a wide range of corrugated steel pipes and welded wire mesh. Our organization is fully dedicated to developing new technologies, achieving complete customer satisfaction, and continuously enhancing product quality. With a proven track record of supplying pipes for construction projects involving drainage, rainwater systems, agricultural irrigation, and underground water supply, we provide solutions that are not only time-efficient but also highly cost-effective.
We are committed to continuous technological innovation to enhance performance and deliver the highest quality products that exceed customer expectations.

CONTENTS

Pursuing continuous technological innovation and quality improvement **to achieve complete Customer Satisfaction.**

Company History

2002 Established in Chogye-myeon, Hapcheon-gun by Youngnam Industries Co., Ltd.

2003 Acquired KS D 3590 Certification (Korean Industrial Standard for Corrugated Steel Pipes)
ISO 9001 Quality Management System Certification

2004 CEO Shim Sung-soo stepped down (former)
CEO Kim Kyung-ho appointed (current)

2013 Established Corporate Research Center

2014 Integrated Merger with Shinsung Co., Ltd.
Relocated Headquarters to Sanmak General Industrial Complex, Yangsan
ISO 14001 Environmental Management System Certification

2015 Acquired Group Standard Certification

2019 Social Enterprise Certification

2022 Certification for Excellence in Risk Assessment
Innovation Product Designation Certification (Public Procurement Service)

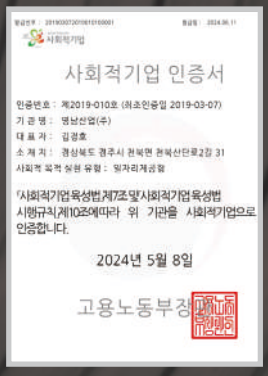
2023 Low Carbon Product Certification
Registered in Korea Technology Market & SME Technology Market
Green Technology Certification
Family-Friendly Certification

2024 Headquarters Relocated to Cheonbuk General Industrial Complex, Gyeongju
Selected as an Excellent Institution for Human Resources Development
Selected as an Outstanding R&D Performance Company
New Excellent Product (NEP) Certification

2025 Signed Third-Party Unit Price Contract for Innovative Products

CERTIFICATE

Commendation for Excellent SME Performance



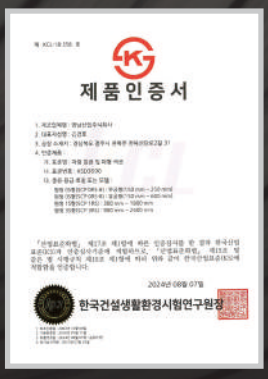
Social Enterprise Certificate

ISO 14001 Certification

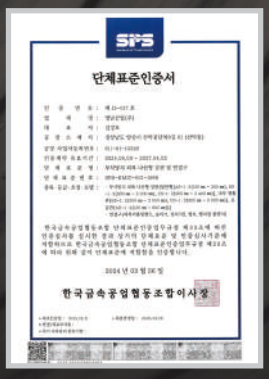
ISO 9001 Certification

New Excellent Product (NEP) Certificate

Innovative Product Designation Certificate



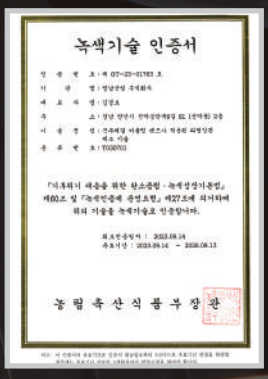
Industrial Standard Product Certificate



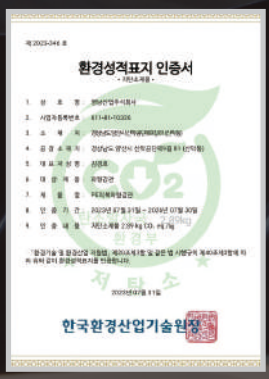
Association Standard Certificate

Korea Expressway Technology Market Confirmation

SME Technology Market Certification



Green Technology Certification

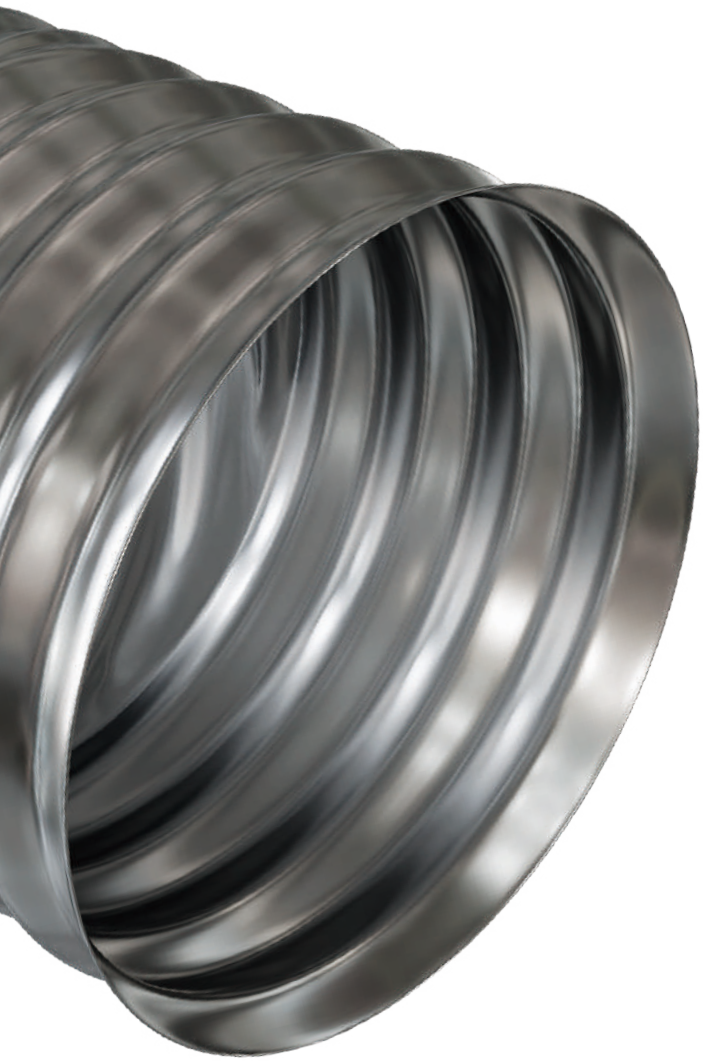


Environmental Product Declaration (EPD) Certificate

Corrugated Steel Pipes

Outstanding durability and superior ease of installation

This KS-certified product is manufactured in accordance with the Korean Industrial Standard KS D 3590 for corrugated steel pipes and sections. Corrugated galvanized steel sheets are formed to increase structural stiffness and then spiral-formed to create a pipe with excellent durability and structural stability. The result is an ideal drainage structure that is highly resistant to corrosion, offers a long service life, and provides superior cost-efficiency and ease of installation.



● Superior Structural Strength and Load-Bearing Capacity

- The corrugated structure disperses loads effectively, allowing the pipe to withstand high external pressure without breakage.
- Corrugation enhances buckling strength and soil resistance.
- When used as buried structures, CSPs exhibit excellent resistance to earth pressure and live loads.

● Lightweight for Improved Transport and Installation

- CSPs are extremely lightweight, weighing only one-tenth to one-twentieth of concrete pipes of the same diameter.
- Installation is possible without large cranes, significantly reducing construction time and labor costs.

● Durability and Long Service Life

- Hot-dip galvanizing ensures excellent corrosion resistance.
- Depending on soil conditions, chemical-resistant materials such as PE or PVC can be selected.

● Versatile Applications and Expandability

- Suitable for a wide range of uses, including drainage pipes, rainwater pipes, and perforated pipes.
- Custom cross-sections can be manufactured, enabling optimal design tailored to site conditions.

● Cost-Effectiveness

- Significant cost savings across manufacturing, transportation, and installation.
- Minimal equipment and manpower reduce maintenance expenses.
- Shorter construction periods lead to lower indirect costs.

Material

Corrugated steel pipes are manufactured in accordance with KS D 3590, using hot-dip galvanized steel strips conforming to KS D 3506

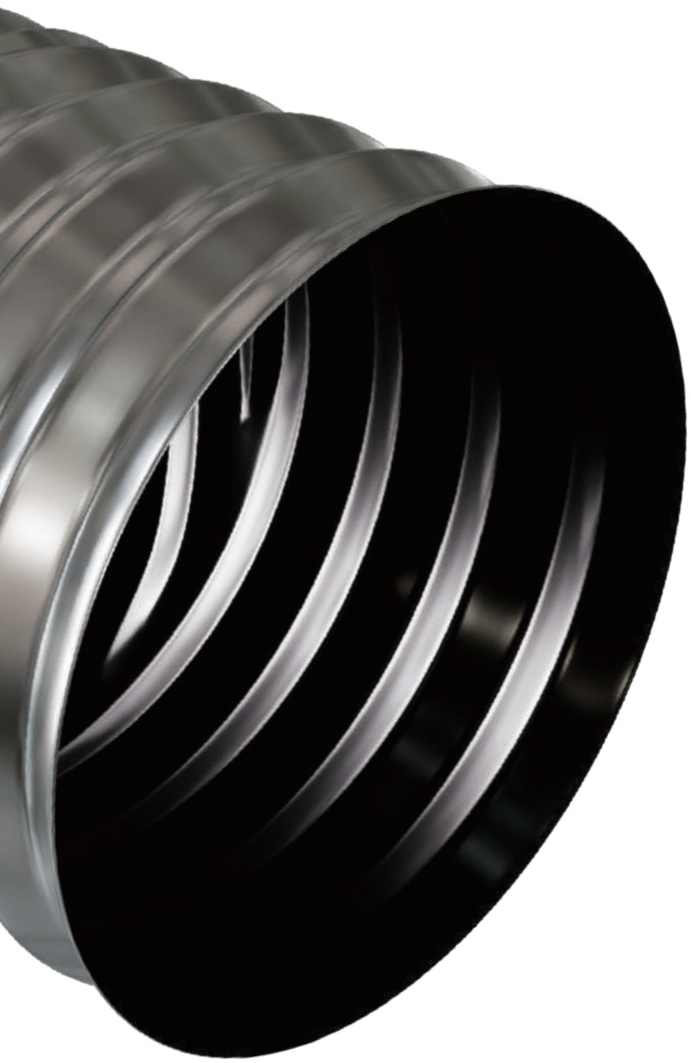
CSP	Designation	Mechanical Properties				Zinc Coating
		Tensile Strength (N/mm2)	Yield Strength (N/mm2)	Elongation (%)	Flexibility	Double-Sided (g/m2)
	SGHC	≥ 270	≥205	≥ 20	No coating peel-off, cracking, or rupture shall occur during bending	600

Cross-Section Dimensions

Unit: mm

Designation	Pipe Diameter	Thickness	Pitch	Depth	Length
0RS	150~600	1.6	38.0	6.5	1,000 ~ 8,000
1RS	300~2,000	1.6~3.2	68.0	13.0	
3RS	900~2,400	2.0~3.2	76.2	25.4	

PE-Coated Corrugated Steel Pipes



Stable durability and eco-friendly materials

PE-coated CSPs share the same structural design as conventional CSPs, ensuring equivalent or superior mechanical performance, while providing enhanced resistance to corrosion and chemical exposure.

● Corrosion and Chemical Resistance

- High-density polyethylene (PE) coating on the inner or both sides protects the steel surface from corrosion caused by soil, moisture, and chemicals.
- PE-coated CSPs maintain long-term durability even in environments exposed to salts, acidic soils, and industrial wastewater.

● Enhanced Durability and Service Life

- Significantly slower corrosion rate compared to galvanized CSPs, allowing a design life of over 50 years.
- Lower maintenance costs contribute to reduced life cycle cost (LCC).

● Environmental Friendliness and Safety

- Use of non-toxic PE materials ensures no risk of environmental contamination.

Types

Coating Type	Coating Thickness
Inner Coating	Inner: 0.25 mm
Double-Sided Coating	Inner: 0.25 mm / Outer: 0.25 mm
Differential Coating	Inner: 0.5 mm / Outer: 0.25 mm

[Corrugated Steel Pipe with PE Inner Coating]

[Corrugated Steel Pipe with PE Double-Sided Coating]

Cross-Section Dimensions

Unit: mm

Designation	Pipe Diameter	Thickness	Pitch	Depth	Length
0RS	150~600	1.6	38.0	6.5	1,000 ~ 8,000
1RS	300~2,000	1.6~3.2	68.0	13.0	
3RS	900~2,400	2.0~3.2	76.2	25.4	

Perforated Pipes

Flexible applicability and excellent drainage inflow control

Perforated CSPs are used to collect or widely disperse groundwater. By lowering the groundwater level, they help stabilize the soil and prevent frost damage.

Types

[Galvanized Perforated Pipe]

[Perforated Pipe with PE Inner Coating]

[Perforated Pipe wtih PE Double-Sided Coating]

Specifications

Unit: mm

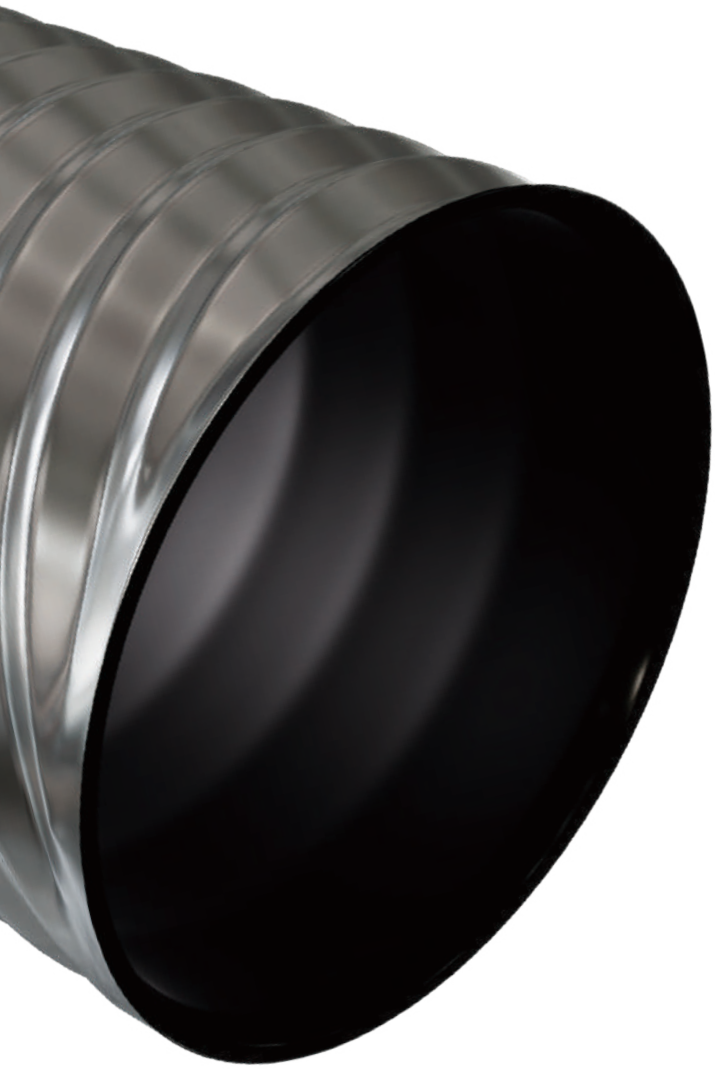
Pipe Diameter	150	200	250	300	450	600
Thickness	1.6	1.6	1.6	1.6	1.6	1.6
Open Area Ratio	≥ 2.3% (≥ 230 cm^2/m^2)					

Cross-Section Dimensions

Unit: mm

Designation	Pipe Diameter	Thickness	Pitch	Depth	Length
0RS	150~600	1.6	38.0	6.5	1,000 ~ 8,000

Smooth Interior Pipes



Excellent hydraulic capacity and easy maintenance

Smooth interior CSPs are composite pipes that maintain the structural strength of conventional CSPs with corrugated exteriors, while incorporating a smooth interior surface to enhance fluid flow.

● Improved Flow Capacity

- The smooth inner surface reduces the roughness coefficient, improving flow efficiency compared to standard CSPs.

● Minimal Sediment Accumulation

- The smooth interior prevents the buildup of foreign substances, sludge, and organic matter.
- Reduced cleaning and maintenance costs

Types

[Smooth Interior Pipe with PE Inner Coating]

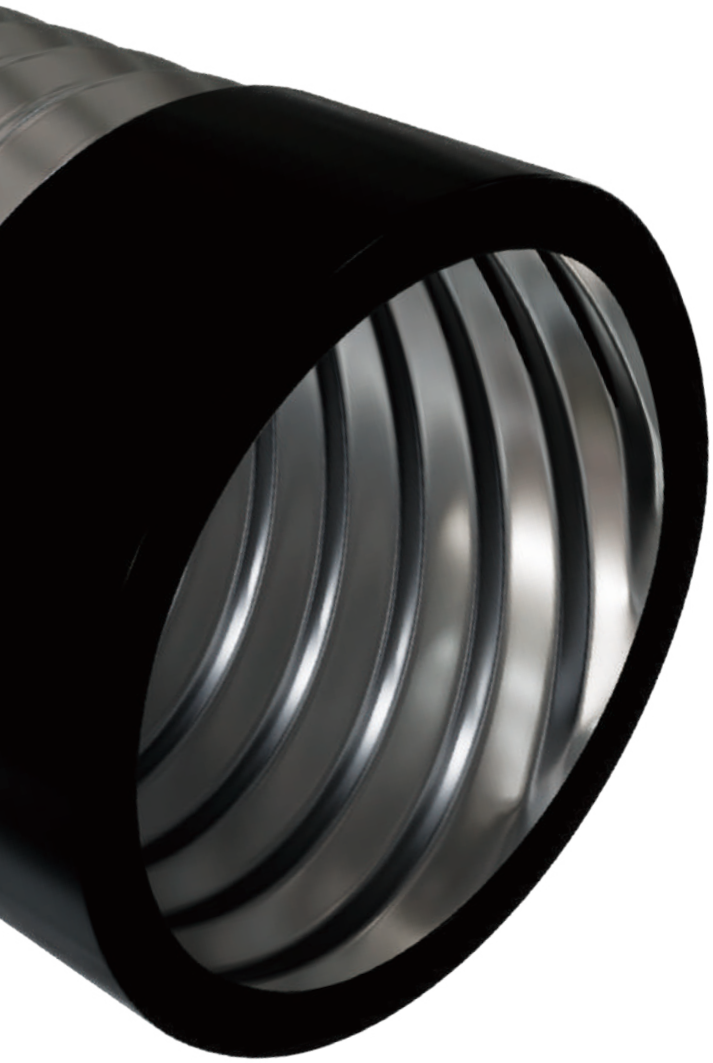
[Smooth Interior Pipe with PE Double-Sided Coating]

Cross-Section Dimensions

Unit: mm

Designation	Pipe Diameter	Thickness	Pitch	Depth	Length
1RS	300~2,000	1.6~3.2	68.0	13.0	1,000 ~ 8,000
3RS	900~2,400	2.0~3.2	76.2	25.4	

CV-Type Corrugated Steel Pipes



Superior watertightness and secure joint performance

● CV CSPs use a highly adhesive and flexible butyl-based bonding technology that conforms tightly to the pipe's shape, enhancing watertightness at joints.

● Heat-shrink bands with high tensile strength and elongation improve the durability and integrity of pipe connections.

Types

[Galvanized CV-Type Corrugated Steel Pipe]

[CV-Type Corrugated Steel Pipe with PE Inner Coating]

[CV-Type Corrugated Steel Pipe wtih PE Double-Sided Coating]

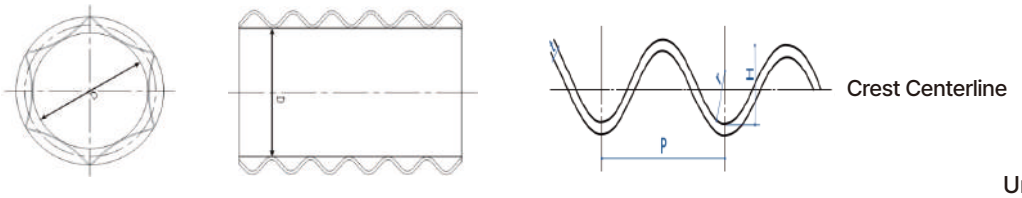
Cross-Section Dimensions

Unit: mm

Designation	Pipe Diameter	Thickness	Pitch	Depth	Length
0RS	150~600	1.6	38.0	6.5	1,000 ~ 8,000
1RS	300~2,000	1.6~3.2	68.0	13.0	
3RS	900~2,400	2.0~3.2	76.2	25.4	

Corrugated Steel Pipe Dimensions and Cross-Sectional Profile

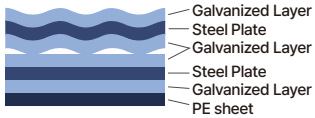
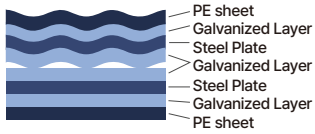
Dimensions



Unit: mm

Designation	Pitch(P)	Depth(H)	Bend Radius(r)	Pipe Length(L)	Nominal Diameter(RI)	Axial Bending
0RS	38.0 ± 2.0	6.5 ± 2.0	-	+40 mm -10 mm from specified length	10 for <1000 / ±1% for ≥1000	±0.3% of length
1RS	68.0 ± 2.0	13.0 ± 2.0	17.5			
3RS	76.2 ± 2.0	25.4 ± 2.0	17.5			

Cross-Sectional Profiles by Type

Pipe Type	Galvanized Corrugated Steel Pipe	Corrugated Steel Pipe with PE Inner Coating	Corrugated Steel Pipe with PE Double-Sided Coating
Standard			
Perforated			
Smooth Interior	-		

Connector

Coupling Band | Sleeve | Flange Band

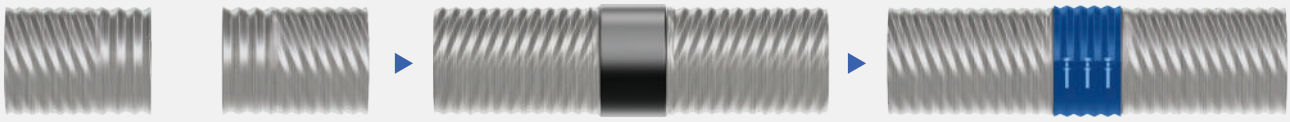
Unit: mm

Designation	Pipe Diameter	Connection Method	Thickness	width
0RS	D150~D300	Sleeve	1.6	≥180
Perforated Pipes	D150~D600	Sleeve	1.6	≥180
1RS	D300~D2,000	Coupling Band / Flange Band	1.6	270 / 410
3RS	D900~D3,200	Coupling Band / Flange Band	1.6	270 / 400

Connection Fastening Methods

Coupling Band

The most commonly used coupling method, in which a watertight gasket is attached to the outer surface of the reformed pipe ends and secured with a coupling band fastened by bolts.



Steel Pipe Arrangement | Gasket Attachment | Coupling Band Fastening

Sleeve

A connecting device for corrugated steel pipes with small nominal diameters such as 0RS and 0RS perforated pipes, where a sleeve is inserted into the inner diameter of the untreated pipe ends and the outer circumference is sealed with waterproof tape.

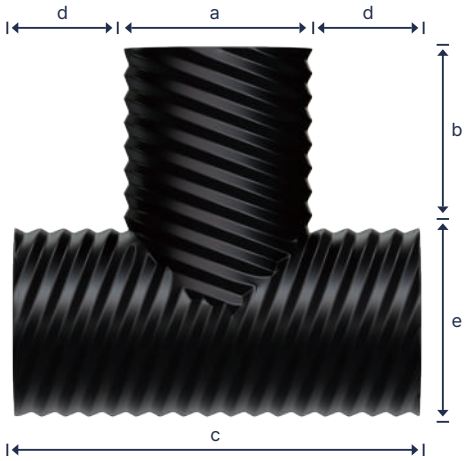
Steel Pipe Arrangement | Sleeve Fastening | Waterproof Tape Sealing

Flange Band

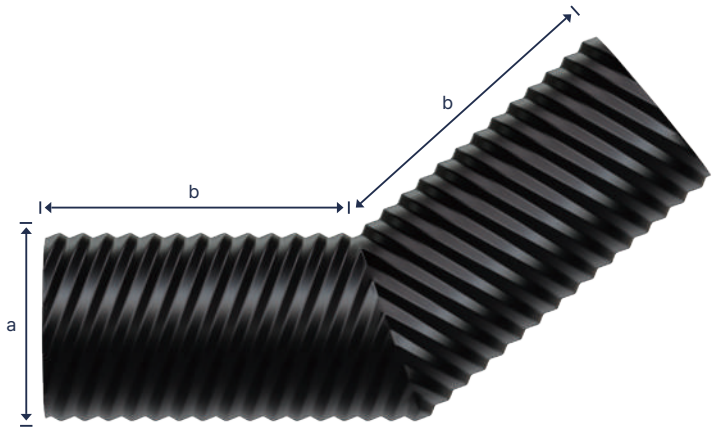
A flange-type coupling device primarily used in environments requiring high watertight performance. The pipe ends are sealed with a watertight sheet on the outer surface and secured using a flange band fastened with bolts.

Steel Pipe Arrangement | Waterproof Sheet Sealing | Flange Band Fastening

Corrugated Pipe Couplers and Branch Fittings



T-Connection Pipe



Elbow

Unit: mm

Designation	Branch Pipe Diameter (a)	Main Pipe Length (c)	Branch Pipe Length (b)	Width (d)
	a	a + 2d	c ÷ 2	250

T-Connection Pipe (Reducing T-Connection Pipe)	Diameter difference between main and branch pipe ≤ 500 mm (e - a ≤ 500 mm)			
	Branch Pipe Diameter (a)	Main Pipe Length (c)	Branch Pipe Length (b)	
			Branch Pipe Diameter ≤ Ø1,000	Branch Pipe Diameter > Ø1,000
	a	a + 2d	c ÷ 2	a ÷ 2
	Diameter difference between main and branch pipe > 500 mm (e - a > 500 mm)			
	Branch Pipe Diameter (a)	Main Pipe Length (c)	Branch Pipe Length (b)	
			Branch Pipe Diameter ≤ Ø1,000	Branch Pipe Diameter > Ø1,000
	a	e	500	c ÷ 2

Elbow	Angle	Pipe Diameter (a)	Width (b)
	45° or 90°	a	250

External Load Resistance and Deformation Summary for Corrugated Steel Pipes

posco 한국철강협회

Item / Pipe Diameter	1½"×¼"(38×6.5mm), ORS Type			2⅔"×½"(68×13mm), KS D3590 1RS Type											
	1.6 t (52 years)			1.6 t (52 years)			2.0 t (64 years)			2.7 t (85 years)			3.2 t (97 years)		
	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation
	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)
	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)
150	38,980	0.99	29,520												
	136.8	6.60	103.6												
200	38,980	2.13	18,280												
	1026	10.67	48.1												
250	38,980	3.62	13,460												
	82.1	14.48	28.3												
300	38,980	6.76	10,090	39,740	2.60	33,850	49,680	1.79	41,580						
	58.6	19.33	15.2	59.6	7.43	59.4	87.2	5.97	73.0						
350	38,980	8.10	9,630	39,740	3.55	26,740	49,680	2.68	32,420						
	51.3	20.24	12.7	52.3	8.88	40.2	74.7	7.66	48.8						
400	38,980	9.19	9,550	39,740	4.56	22,380	49,680	3.72	26,740						
	45.6	20.42	11.2	46.5	10.13	29.5	65.4	9.29	35.2						
450	38,980	10.05	9,690	39,740	5.56	19,620	49,680	4.85	23,060						
	41.0	20.11	10.2	41.8	11.13	22.9	58.1	10.77	27.0						
500	38,980	11.26	10,390	39,740	7.43	17,860	49,680	6.02	20,640						
	34.2	18.76	9.1	34.9	12.38	18.8	52.3	12.04	21.7						
600	(FF = 0.225 ⟨ 0.242)			39,740	8.95	16,050	49,680	8.29	17,990	67,010	9.34	21,520	79,440	9.85	24,200
				29.9	12.78	14.1	43.6	13.81	15.8	58.8	15.57	18.9	69.7	46.41	21.2
700				39,740	5.57	15,540	49,680	10.25	16,970	67,010	11.99	19,560	79,440	12.92	21,520
				27.9	12.76	11.7	37.4	14.64	12.8	50.4	17.13	14.7	59.7	18.45	16.2
750				39,740	10.11	15,570	49,680	11.09	16,800	67,010	13.18	19,070	79,440	14.15	21,050
				26.1	12.64	10.9	34.9	14.78	11.8	47.0	17.57	13.4	55.7	18.87	14.8
800				39,740	1.76	15,720	49,680	11.82	16,810	67,010	14.26	18,790	79,440	15.65	20,300
				69.7	5.87	10.3	32.7	14.78	11.1	44.1	17.83	12.4	52.3	19.56	13.4
900				39,740	10.98	16,290	49,680	13.03	17,150	67,010	16.10	18,720	79,440	17.95	19,910
				23.2	12.19	9.5	29.1	14.48	10.0	39.2	17.89	10.9	46.5	19.95	11.6
1000				39,740	11.61	17,120	49,680	13.94	17,820	67,010	17.55	19,090	79,440	19.81	20,050
				20.9	11.61	9.0	26.1	13.94	9.4	35.3	17.55	10.0	41.8	19.81	10.6
1100				39,740	12.07	18,110	49,680	14.63	18,680	67,010	18.68	19,730	79,440	21.28	20,530
				19.0	10.97	8.7	23.8	13.30	8.9	32.1	16.98	9.4	38.0	19.35	9.8
1200				39,740	12.42	19,200	49,680	15.14	19,680	67,010	19.54	20,570	79,440	22.45	21,230
				17.4	10.35	8.4	21.8	12.32	8.6	29.4	16.29	9.0	34.8	18.71	9.3
1350				(FF = 0.209 ⟨ 0.242)			48,790	15.41	21,370	66,150	20.23	22,070	78,760	22.73	23,380
							19.0	11.42	8.3	25.8	14.99	8.6	30.7	16.84	9.1
1500							(FF = 0.235 ⟨ 0.242)			62,530	19.74	23,750	74,550	23.12	24,180
										21.9	13.16	8.3	26.2	15.41	8.5
1650										58,530	18.89	25,560	69,890	22.25	25,910
										18.7	11.45	8.2	22.3	13.49	8.3
1800										(FF = 0.227 ⟨ 0.242)			64,800	21.01	27,750
													18.9	11.67	8.1
2000													(FF = 0.240 ⟨ 0.242)		
2200															
2400															
2700															
3000															
3300															
3600															

External Load Resistance and Deformation Summary for Corrugated Steel Pipes

posco 한국철강협회

Item / Pipe Diameter	3″ × 1″ (75 × 25 mm), KS D 3590 Type 3RS Type											
	1.6 t (52 years)			2.0 t (64 years)			2.7 t (85 years)			3.2 t (97 years)		
	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation	Maximum Allowable Buckling		5% Deformation
	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)	External Load Resistance (kg/m)	Amount of Deformation (cm)	External Load Resistance (kg/m)
	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)	Embankment Height (m)	Deformation Rate (%)	Embankment Height (m)
150												
200												
250												
300												
350												
400												
450												
500												
600												
700												
750												
800												
900	45,600 26.7	7.34 8.16	27,960 16.4	57,030 33.4	8.06 8.96	31,830 18.6	77,080 45.1	8.95 9.95	38,740 22.7	91,440 53.5	9.84 10.94	41,780 24.4
1000	45,600 24.0	8.58 8.58	26,570 14.0	57,030 30.0	8.54 8.54	29,700 15.6	77,080 40.6	10.92 10.92	35,300 18.6	91,440 48.1	12.11 12.11	37,760 19.9
1100	45,600 21.8	9.68 8.80	25,910 12.4	57,030 27.3	11.01 10.00	28,500 13.6	77,080 36.9	12.79 11.63	33,130 15.9	91,440 43.8	12.69 11.54	37,820 18.1
1200	45,600 20.0	10.62 8.85	25,750 11.3	57,030 25.0	12.25 10.21	27,940 12.3	77,080 33.8	14.52 12.11	31,830 14.0	91,440 40.1	15.82 13.18	34,680 15.2
1350	45,600 17.8	11.76 8.71	26,170 10.2	57,030 22.2	13.81 10.23	27,880 10.9	77,080 30.0	16.80 12.44	30,960 12.1	91,440 35.6	18.58 13.76	33,220 13.0
1500	45,600 16.0	12.63 8.42	27,070 9.5	57,030 20.0	15.02 10.02	28,470 10.0	77,080 27.0	18.67 12.45	30,960 10.9	91,440 32.1	20.92 13.95	32,790 11.5
1650	45,600 14.5	13.29 8.05	28,310 9.0	57,030 18.2	15.97 9.68	29,460 9.4	77,080 24.6	20.17 12.23	31,520 10.1	91,440 29.2	22.84 13.84	33,030 10.5
1800	45,600 13.3	13.79 7.66	29,770 8.7	57,030 16.7	16.70 9.28	30,740 9.0	77,080 22.5	21.36 11.87	32,470 9.5	91,440 26.7	24.39 13.55	33,790 9.9
2000	45,600 12.0	14.27 7.13	31,960 8.4	57,030 15.0	17.42 8.71	32,740 8.6	77,080 20.3	22.58 11.29	34,140 9.0	91,440 24.1	26.00 13.00	35,170 9.3
2200	45,600 10.9	14.62 6.64	34,320 8.2	57,030 13.6	17.94 8.15	34,970 8.4	77,080 18.4	23.47 10.67	36,130 8.3	91,440 21.8	27.20 12.36	36,980 8.8
2400	45,600 10.0	14.86 6.19	36,800 8.1	57,030 12.5	18.31 7.63	37,370 8.2	77,080 16.9	24.13 10.05	38,330 8.4	91,440 20.1	28.11 11.71	39,040 8.6
2700	(FF = 0.183 ⟨ 0.185)			55,880 10.9	18.33 6.79	41,150 8.0	75,270 14.8	19.60 7.21	41,900 8.2	90,030 17.5	28.61 10.60	42,480 8.3
3000				(FF = 0.185 ⟨ 0.185)			71,470 12.5	23.46 7.82	45,700 8.0	85,040 14.9	27.63 9.21	46,170 8.1
3300							(FF = 0.16 ⟨ 0.185)			79,520 12.7	26.23 7.95	50,030 8.0
3600										(FF = 0.168 ⟨ 0.185)		

General Product Procurement Identification Number

Galvanized											
Pipe Diameter	0RS	1RS				3RS			Perforated Pipe	Joint Pipe	
	1.6t	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	1.6t	Coupling Band	T-Joint
150	20979317								20979357	20979371	20979390
200	20979318								20979358	20979372	20979391
250	20979319								20979359	20979373	20979392
300		20979320	20979330						20979360	20979374	20979393
350		20979321	20979331						20979361	20979375	20979394
400		20979322	20979332						20979362	20979376	20979395
450		21186963	20979333						20979363	20979377	20979396
500		21186964	20979334						20979364	20979378	20979397
600		20979325	20979335	20979346					20979365	20979379	20979398
700		20979326	20979336	20979347						20979380	20979399
800		20979327	20979337	20979348						20979381	20979400
900			20979338	20979349		21826558	23589992			20979382	20979401
1000			20979339	20979350	21826577	21826559	23589993	23589996		20979383	20979402
1100				20979351	21826578	21826560	23589994	23589997		20979384	20979403
1200				20979352	21826579	21826561	21826565	23589998		20979385	20979404
1350				20979353	21826580	21826562	21826566	23589999		20979386	20979405
1500				20979354	21826581	21826563	21826567	23590000		20979387	20979406
1650					21826582	21826564	21826568	23590001		20979388	20979407
1800					21826583	23589991	21826569	21826573		20979389	20979408
2000								21826574		21826584	21826587
2200								21826575		21826585	21826588
2400								21826576		21826586	21826589

General Product Procurement Identification Number

PE Inner Coating

Pipe Diameter	0RS	1RS				3RS			Perforated Pipe	Joint Pipe
	1.6t	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	1.6t	T-Joint
150	21186307								22854782	21826646
200	21186308								22854781	21826647
250	21186309								22854780	21826648
300		21186310	21186320						22854779	21186382
350		21186311	21186321						22854778	21186383
400		21186312	21186322						22854777	21186384
450		21186313	21186323						22854774	21186385
500		21186314	21186324						22854775	21186386
600		21186315	21186325	21186336					22854776	21186387
700		21186316	21186326	21186337						21186388
800		21186317	21186327	21186338						21186389
900			21186328	21186339		21826612	23590320			21186390
1000			21186329	21186340	23191174	21826613	23590321	23590324		21186391
1100				21186341	23191166	21826614	23590322	23590325		21186392
1200				21186342	23191167	21826615	21826619	23590326		21186393
1350				21186343	23191168	21826616	21826620	23590327		21186394
1500				21186344	23191169	21826617	21826621	23590328		21186395
1650					23191170		21826622	23590329		21186396
1800					23191171		21826623	21826627		21186397
2000								21826628		21826649
2200								21826629		21826650
2400								21826630		21826651

PE Double-Sided Coating

Pipe Diameter	0RS	1RS				3RS			Perforated Pipe	Joint Pipe	
	1.6t	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	1.6t	Coupling Band	T-Joint
150	21186267								22854791	21186347	21826634
200	21186268								22854790	21186348	21826635
250	21186269								22854789	21186349	21826636
300		21186270	21186280						22854788	21186350	21186366
350		21186271	21186281						22854787	21186351	21186367
400		21186272	21186282						22854786	21186352	21186368
450		21186273	21186283						22854785	21186353	21186369
500		21186274	21186284						22854784	21186354	21186370
600		21186275	21186285	21186296					22854783	21186355	21186371
700		21186276	21186286	21186297						21186356	21186372
800		21186277	21186287	21186298						21186357	21186373
900			21186288	21186299	23182147	21826593	23590250			21186358	21186374
1000			21186289	21186300	23182148	21826594	23590251	23590254		21186359	21186375
1100				21186301	23182149	21826595	23590252	23590255		21186360	21186376
1200				21186302	23182150	21826596	21826600	23590256		21186361	21186377
1350				21186303	23182151	21826597	21826601	23590257		21186362	21186378
1500				21186304	23182152	21826598	21826602	23590258		21186363	21186379
1650					23182153		21826603	23590259		21186364	21186380
1800					23182154		21826604	21826608		21186365	21186381
2000								21826609		21826631	21826637
2200								21826610		21826632	21826638
2400								21826611		21826633	21826639

General Product Procurement Identification Number

Smooth Interior Pipe with PE Inner Coating

Pipe Diameter	1RS				3RS			Joint Pipe
	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	T-Joint
150								
200								
250								
300	24627925							24856951
350	24627926							24856952
400	24627927	24627931						24856953
450	24627928	24627932						24856954
500	24627929	24627933						24856955
600	24627930	24627934	24627939					24856956
700		24627935	24627940					24856957
800		24627936	24627941					24856958
900		24627937	24627942		24627977			24856959
1000		24627938	24627943		24627978			24856960
1100			24627944		24627979			24856961
1200			24627945	24627946	24627980			24856962
1350				24627947		24627981		24856963
1500				24627948		24627982	24627985	24856964
1650				24627949		24627983	24627986	24856965
1800				24627950		24627984	24627987	24856966
2000							24627988	24856967
2200							24627989	24856968
2400							24627990	24856969

Smooth Interior Pipe with PE Double-Sided Coating

Pipe Diameter	1RS				3RS			Joint Pipe	
	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	Flange Band	T-Joint
150									
200									
250									
300	24627951							24628005	24856970
350	24627952							24628006	24856971
400	24627953	24627957						24628007	24856972
450	24627954	24627958						24628008	24856973
500	24627955	24627959						24628009	24856974
600	24627956	24627960	24627965					24628010	24856975
700		24627961	24627966					24628011	24856976
800		24627962	24627967					24628012	24856977
900		24627963	24627968		24627991			24628013	24856978
1000		24627964	24627969		24627992			24628014	24856979
1100			24627970		24627993			24628015	24856980
1200			24627971	24627972	24627994			24628016	24856981
1350				24627973		24627995		24628017	24856982
1500				24627974		24627996	24627999	24628018	24856983
1650				24627975		24627997	24628000	24628019	24856984
1800				24627976		24627998	24628001	24628020	24856985
2000							24628002	24628021	24856986
2200							24628003	24628022	24856987
2400							24628004	24628023	24856988

Innovative Product Procurement Identification Number

Galvanized Corrugated Steel Pipe											
Pipe Diameter	0RS	1RS				3RS			Perforated Pipe	Joint Pipe	
	1.6t	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	1.6t	Elbow	T-Joint
150	24713843								24713846	25341146	25341083
200	24713844								24713847	25341147	25341084
250	24713845								24713848	25341148	25341085
300		24713855	24713863						24713849	25341149	25341086
350		24713856	24713864						24713850	25341150	25341087
400		24713857	24713865						24713851	25341151	25341088
450		24713858	24713866						24713852	25341152	25341089
500		24713859	24713867						24713853	25341153	25341090
600		24713860	24713868	24713873					24713854	25341154	25341091
700		24713861	24713869	24713874						25341155	25341092
800		24713862	24713870	24713875						25341156	25341093
900			24713871	24713876		24713889	24713895			25341157	25341094
1000			24713872	24713877	24713882	24713890	24713896	24713903		25341158	25341095
1100				24713878	24713883	24713891	24713897	24713904		25341159	25341096
1200				24713879	24713884	24713892	24713898	24713905		25341160	25341097
1350				24713880	24713885	24713893	24713899	24713906		25341161	25341098
1500				24713881	24713886	24713894	24713900	24713907		25341162	25341099
1650					24713887		24713901	24713908		25341163	25341100
1800					24713888		24713902	24713909		25341164	25341101
2000								24713910		25341165	25341102
2200								24713911		25341166	25341103
2400								24713912		25341167	25341104

Innovative Product Procurement Identification Number

Corrugated Steel Pipe with PE Inner Coating

Pipe Diameter	0RS	1RS				3RS			Perforated Pipe	Joint Pipe	
	1.6t	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	1.6t	Elbow	T-Joint
150	24713913								24713916	25341168	25341105
200	24713914								24713917	25341169	25341106
250	24713915								24713918	25341170	25341107
300		24713925	24713933						24713919	25341171	25341108
350		24713926	24713934						24713920	25341172	25341109
400		24713927	24713935						24713921	25341173	25341110
450		24713928	24713936						24713922	25341174	25341111
500		24713929	24713937						24713923	25341175	25341112
600		24713930	24713938	24713943					24713924	25341176	25341113
700		24713931	24713939	24713944						25341177	25341114
800		24713932	24713940	24713945						25341178	25341115
900			24713941	24713946		24713959	24713965			25341179	25341116
1000			24713942	24713947	24713952	24713960	24713966	24713973		25341180	25341117
1100				24713948	24713953	24713961	24713967	24713974		25341181	25341118
1200				24713949	24713954	24713962	24713968	24713975		25341182	25341119
1350				24713950	24713955	24713963	24713969	24713976		25341183	25341120
1500				24713951	24713956	24713964	24713970	24713977		25341184	25341121
1650					24713957		24713971	24713978		25341185	25341122
1800					24713958		24713972	24713979		25341186	25341123
2000								24713980		25341187	25341124
2200								24713981		25341188	25341125
2400								24713982		25341189	25341126

Corrugated Steel Pipe with PE Double-Sided Coating

Pipe Diameter	0RS	1RS				3RS			Perforated Pipe	Joint Pipe	
	1.6t	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	1.6t	Elbow	T-Joint
150	24713983								24713986	25378081	25378040
200	24713984								24713987	25378082	25378041
250	24713985								24713988	25378083	25378042
300		24713995	24714003						24713989	25378084	25378043
350		24713996	24714004						24713990	25378085	25378044
400		24713997	24714005						24713991	25378086	25378045
450		24713998	24714006						24713992	25378087	25378046
500		24713999	24714007						24713993	25378088	25378047
600		24714000	24714008	24714013					24713994	25378089	25378048
700		24714001	24714009	24714014						25378090	25378049
800		24714002	24714010	24714015						25378091	25378050
900			24714011	24714016		24714029	24714035			25378092	25378051
1000			24714012	24714017	24714022	24714030	24714036	24714043		25378093	25378052
1100				24714018	24714023	24714031	24714037	24714044		25378094	25378053
1200				24714019	24714024	24714032	24714038	24714045		25378095	25378054
1350				24714020	24714025	24714033	24714039	24714046		25378096	25378055
1500				24714021	24714026	24714034	24714040	24714047		25378097	25378056
1650					24714027		24714041	24714048		25378098	25378057
1800					24714028		24714042	24714049		25378099	25378058
2000								24714050		25378100	25378059
2200								24714051		25378101	25378060
2400								24714052		25378102	25378061

Innovative Product Procurement Identification Number

Smooth Interior Pipe with PE Inner Coating

Pipe Diameter	1RS				3RS			Joint Pipe	
	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	Elbow	T-Joint
150									
200									
250									
300	24714053							25341190	25341127
350	24714054							25341191	25341128
400	24714055	24714059						25341192	25341129
450	24714056	24714060						25341193	25341130
500	24714057	24714061						25341194	25341131
600	24714058	24714062	24714067					25341195	25341132
700		24714063	24714068					25341196	25341133
800		24714064	24714069					25341197	25341134
900		24714065	24714070		24714079			25341198	25341135
1000		24714066	24714071		24714080			25341199	25341136
1100			24714072		24714081			25341200	25341137
1200			24714073	24714074	24714082			25341201	25341138
1350				24714075		24714083		25341202	25341139
1500				24714076		24714084	24714087	25341203	25341140
1650				24714077		24714085	24714088	25341204	25341141
1800				24714078		24714086	24714089	25341205	25341142
2000							24714090	25341206	25341143
2200							24714091	25341207	25341144
2400							24714092	25341208	25341145

Smooth Interior Pipe with PE Double-Sided Coating

Pipe Diameter	1RS				3RS			Joint Pipe	
	1.6t	2.0t	2.7t	3.2t	2.0t	2.7t	3.2t	Elbow	T-Joint
150									
200									
250									
300	24714093							25378103	25378062
350	24714094							25378104	25378063
400	24714095	24714099						25378105	25378064
450	24714096	24714100						25378106	25378065
500	24714097	24714101						25378107	25378066
600	24714098	24714102	24714107					25378108	25378067
700		24714103	24714108					25378109	25378068
800		24714104	24714109					25378110	25378069
900		24714105	24714110		24714119			25378111	25378070
1000		24714106	24714111		24714120			25378112	25378071
1100			24714112		24714121			25378113	25378072
1200			24714113	24714114	24714122			25378114	25378073
1350				24714115		24714123		25378115	25378074
1500				24714116		24714124	24714127	25378116	25378075
1650				24714117		24714125	24714128	25378117	25378076
1800				24714118		24714126	24714129	25378118	25378077
2000							24714130	25378119	25378078
2200							24714131	25378120	25378079
2400							24714132	25378121	25378080

Corrugated Steel Pipes · PE-Coated Corrugated Steel Pipes ·
Perforated Pipes · Smooth Interior Pipes · CV-Type Corrugated Steel Pipes

A Leading Corrugated Steel Pipe **Company Expanding Globally**

http://www.yncsp.com/

영남산업(주)
YOUNGNAM IND. CO., LTD.
31, Cheonbuksandan-ro 2-gil, Gyeongju-si,
Gyeongsangbuk-do, Republic of Korea
TEL: +82-55-366-0841 FAX: +82-55-366-0844