

Structured Wall Plastic Pipe and Fittings Spirally Enwound Structure-wall Pipe



FEEL THE BETTER LIFE

Pipes, Building Materials and Home Furnishings,
Environmental Protection, Channels and Services



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Structured Wall Plastic Pipe and Fittings

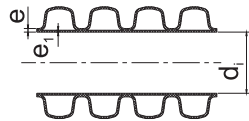
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HDPE Double-Wall Corrugated Pipe

- **Material:** High Density Polyethylene
- **Size:** 110mm to 800mm
- **Ring Stiffness:** SN4 and SN8
- **Color:** black or other colors upon request

- **Standard:** BS EN13476-2:2007、BS EN13476-3:2007+A1:2009, GB/T19472-1
- **Application:** municipal sewage, rainwater discharge, floodwaters drainage, irrigation, ventilation for mine and buildings, industrial waste discharge

HDPE Double-Wall Corrugated Pipe (Plain End)



HDPE Glass Fiber Reinforced Plastics

Length: 5.8m and 8m , other length upon request

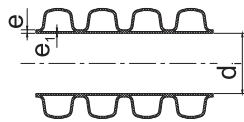
SN4 (≥4kN/m²)		SN8 (≥8kN/m²)	
SAP Number (5.8m)	Outside Diameter (mm)	SAP Number (5.8m)	Outside Diameter (mm)
—	110	8020030402	110
—	160	8020030407	160

SN4 (≥4kN/m²)		SN8 (≥8kN/m²)	
SAP Number (8m)	Inside Diameter (mm)	SAP Number (8m)	Inside Diameter (mm)
—	200	—	200
—	225	8020032169	225
—	300	8020032171	300
—	400	8020032173	400
—	500	8020032157	500
—	600	8020032160	600
—	700	—	700
—	800	—	800

Rubber Ring	
SAP Number	Size (mm)
—	110
—	160
—	200
—	225
—	300
—	400
—	500
—	600
—	700
—	800

Coupling	
SAP Number	Size (mm)
—	110
—	160
—	200
—	225
—	300
—	400
—	500
—	600
—	700
—	800

HDPE Double-Wall Corrugated Pipe (Socket End)



Length: 6m or other length upon request

SN4 (≥4kN/m²)		Sn8 (≥8kN/m²)	
SAP Number (6m)	Inside Diameter (mm)	SAP Number (6m)	Inside Diameter (mm)
—	200	—	200
—	225	—	225
—	300	—	300
—	400	—	400
—	500	—	500
—	600	—	600
—	700	—	700
—	800	—	800

Rubber Ring	
SAP Number	Size (mm)
—	200
—	225
—	300
—	400
—	500
—	600
—	700
—	800

Note: SN is Nominal Ring Stiffness, which reflects the ability of a pipe to resist deformation due to an external load. Stiffness classes are identified by an SN number where a higher number indicates greater resistance to deflection.

HDPE Double-Wall Corrugated Pipe Fittings (Fabricated Fittings)

45° Elbow



SAP Number	Size (mm)
-	225
-	300
-	400
-	500
-	600
-	800

*45° Elbow and other elbow upon the request

90° Elbow



SAP Number	Size (mm)
-	225
-	300
-	400
-	500
-	600
-	800

Tee



SAP Number	Size (mm)
-	225
-	300
-	400
-	500
-	600
-	800

Reducing Tee



SAP Number	Size (mm)
-	300×225
-	400×225
-	400×300
-	500×225
-	500×300
-	500×400
-	600×225
-	600×300
-	600×400
-	600×500
-	800×225
-	800×300
-	800×400
-	800×500
-	800×600

Cross



SAP Number	Size (mm)
-	225
-	300
-	400
-	500
-	600
-	800

Reducing Cross



SAP Number	Size (mm)
-	300×225
-	400×225
-	400×300
-	500×225
-	500×300
-	500×400
-	600×225
-	600×300
-	600×400
-	600×500
-	800×225
-	800×300
-	800×400
-	800×500
-	800×600

Reducer



SAP Number (Homocentric)	SAP Number (Eccentric)	Size (mm)
-	-	300×225
-	-	400×225
-	-	400×300
-	-	500×225
-	-	500×300
-	-	500×400
-	-	600×225
-	-	600×300
-	-	600×400
-	-	600×500
-	-	800×225
-	-	800×300
-	-	800×400
-	-	800×500
-	-	800×600

Tensioner



SAP Number	Size
-	2t
-	3t

HDPE Double -Wall Corrugated Pipe Fittings (Injection Molded Fittings)

45°Elbow



SAP Number	Size (mm)
-	110
-	
-	

Tee



SAP Number	Size (mm)
-	110
-	
-	

90°Elbow



SAP Number	Size (mm)
-	110
-	
-	

45° Wye



SAP Number	Size (mm)
-	110
-	
-	

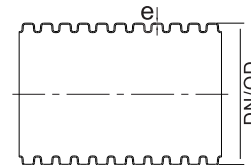
Plug



SAP Number	Size (mm)
-	110
-	
-	

HDPE Single-Wall Corrugated Pipe

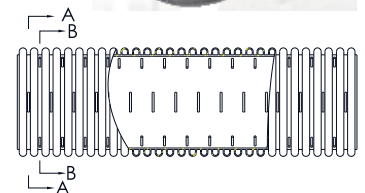
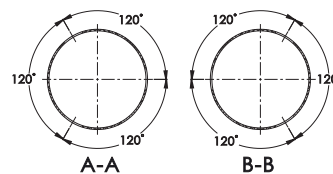
Length: 5.8m or other length upon request



SAP Number (5.8m)	Size (mm)
-	63
-	75
-	

HDPE Double-Wall Corrugated Pipe--Infiltration Pipe

Length: 6m or other length upon request



SN4 ($\geq 4\text{kN/m}^2$)

SN8 ($\geq 8\text{kN/m}^2$)

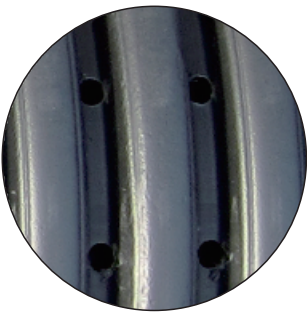
SAP Number (6m)	Size (mm)	Number of Slotting Row
-	110	6 rows
-		

SAP Number (6m)	Size (mm)	Number of Slotting Row
-	110	6 rows
-		

Illustration: $\Phi 110$ groove width is 1.5mm; the length of the groove is united as 20mm, the tolerance is around $\pm 5\text{mm}$, specific dimensions can be produced upon request.

HDPE Double-wall Corrugated Holing Pipe

Length: 8m or other length upon request



SN4 (≥4kN/m²)		
SAP Number (8m)	Outside Diameter (mm)	Number of Holing Row
—	160	7 rows
—	200	8 rows
—	225	8 rows
—	300	9 rows

SN8 (≥8kN/m²)		
SAP Number (8m)	Outside Diameter (mm)	Number of Holing Row
—	160	7 rows
—	200	8 rows
—	225	8 rows
—	300	9 rows

HDPE Drainage Pipe for HDD

Length: 12m or other length upon request



SN8($\geq 8\text{KN/m}^2$)			
SAP Number (12M)	SDR	Inside Diameter (mm)	Nominal Wall Thickness (mm)
-	21	160	7.7
-	21	180	8.6
-	21	200	9.6
-	21	225	10.8
-	21	250	11.9
-	21	280	13.4
-	21	315	15.0
-	21	355	16.9
-	21	400	19.1
-	21	450	21.5
-	21	500	23.9
-	21	560	26.7
-	21	630	30
-	21	710	33.9
-	21	800	38.1

SN16($\geq 16\text{KN/m}^2$)			
SAP Number (12M)	SDR	Inside Diameter (mm)	Nominal Wall Thickness (mm)
-	17	160	9.5
-	17	180	10.7
-	17	200	11.9
-	17	225	13.4
-	17	250	14.8
-	17	280	16.6
-	17	315	18.7
-	17	355	21.1
-	17	400	23.7
-	17	450	26.7
-	17	500	29.7
-	17	560	33.2
-	17	630	37.4
-	17	710	42.1
-	17	800	47.4

SN32($\geq 32\text{KN/m}^2$)			
SAP Number (12M)	SDR	Inside Diameter (mm)	Nominal Wall Thickness (mm)
-	21	160	11.8
-	21	180	13.3
-	21	200	14.7
-	21	225	16.6
-	21	250	18.4
-	21	280	20.6
-	21	315	23.2
-	21	355	26.1
-	21	400	29.4
-	21	450	33.1
-	21	500	36.8
-	21	560	41.2
-	21	630	46.3
-	21	710	52.2
-	21	800	58.8

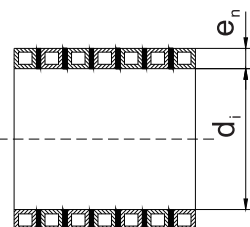
SPIRAL ENHANCED PIPE PE A

- **Material:** High Density Polyethylene
- **Size:** 200mm to 2400mm
- **Ring Stiffness:** SN4, SN8 and SN12.5
- **Color:** black or other colors upon request.
- **Length:** 6m, 11.8m or other length upon request.
- **Standard:** BS EN13476-2:2007、BS EN13476-3:2007+A1:2009, GB/T19472-1
- **Application:** municipal sewage, rainwater discharge, floodwaters drainage, irrigation, ventilation for mine and buildings, industrial waste discharge and communication protecting.
- **Specification 520 is non-standard product.**



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)		SN12.5 ($\geq 12.5\text{kN/m}^2$)	
SAP Number (6m)	Inside Diameter (mm)	SAP Number (6m)	Inside Diameter (mm)	SAP Number (8m)	Inside Diameter (mm)
—	200	—	200	—	200
—	250	—	250	—	250
—	300	—	300	—	300
—	350	—	350	—	350
—	400	—	400	—	400
—	450	—	450	—	450
—	500	—	500	—	500
—	520	—	★ 520	—	520
—	600	—	600	—	600
—	700	—	700	—	700
—	800	—	800	—	800
—	900	—	900	—	900
—	1000	—	1000	—	1000
—	1100	—	1100	—	1100
—	1200	—	1200	—	1200
—	1300	—	1300	—	1300
—	1400	—	1400	—	
—	1500	—	1500	—	
—	1600	—	1600	—	
—	1700	—	1700	—	
—	1800	—	1800	—	
—	2000	—	2000	—	
—	2200	—	2200	—	

SAP Number (8m)	Inside Diameter (mm)
—	200
—	250
—	300
—	350
—	400
—	450
—	500
—	600
—	700
—	800
—	900
—	1000



SPIRAL ENHANCED PIPE PE A (for HDD)

HDD: Horizontal Directional Drilling



* The product mold marked as "★" on this page has not been improved, please note.

Spiral Enhanced Pipe (Socket End)



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)		SN12.5 ($\geq 12.5\text{kN/m}^2$)	
SAP Number (8m)	Inside Diameter (mm)	SAP Number (8m)	Inside Diameter (mm)	SAP Number (8m)	Inside Diameter (mm)
-	200	-	200	-	200
-	250	-	250	-	★ 250
-	300	-	300	-	300
-	350	-	350	-	★ 350
-	400	-	400	-	400
-	450	-	450	-	★ 450
-	500	-	500	-	500
-	600	-	600	-	600
-	700	-	700	-	700
-	800	-	800	-	800

Seal Ring



SAP Number	Inside Diameter (mm)	Scope of Application
-----	200	SN4、SN8、SN12.5
=====	250	SN4
=====		SN8
=====	300	SN4
=====		SN8、SN12.5
=====	350	SN4
=====		SN8
=====		SN4
=====	400	SN8、SN12.5
=====		SN4
=====	450	SN8
=====		SN4
=====	500	SN8、SN12.5
=====		SN4、SN12.5
=====	600	SN8
=====		SN4
=====	700	SN8、SN12.5
=====		SN4、SN12.5
=====	800	SN8

* The product mold marked as "★" on this page has not been improved, please note.

SPIRAL ENHANCED PIPE PE A Fittings

45°Elbow



* 45°Elbow and other elbow upon the request

SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
—	200	—	200
—	250	—	250
—	300	—	300
—	350	—	350
—	400	—	400
—	450	—	450
—	500	—	500
—	600	—	600
—	700	—	700
—	800	—	800
—	900	—	900

90°Elbow



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
—	200	—	200
—	250	—	250
—	300	—	300
—	350	—	350
—	400	—	400
—	450	—	450
—	500	—	500
—	600	—	600
—	700	—	700
—	800	—	800
—	900	—	900
—	1000	—	1000

Tee



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
—	200	—	200
—	250	—	250
—	300	—	300
—	350	—	350
—	400	—	400
—	450	—	450
—	500	—	500
—	600	—	600

Reducing Tee



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
—	250×200	—	250×200
—	300×200	—	300×200
—	300×250	—	300×250
—	350×200	—	350×200
—	350×250	—	350×250
—	350×300	—	350×300
—	400×200	—	400×200
—	400×250	—	400×250
—	400×300	—	400×300

SPIRAL ENHANCED PIPE PE A Fittings

Reducing Tee

Continued



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
—	400×350	—	400×350
—	450×200	—	450×200
—	450×250	—	450×250
—	450×300	—	450×300
—	450×350	—	450×350
—	450×400	—	450×400
—	500×200	—	500×200
—	500×250	—	500×250
—	500×300	—	500×300
—	500×350	—	500×350
—	500×400	—	500×400
—	500×450	—	500×450
—	600×200	—	600×200
—	600×250	—	600×250
—	600×300	—	600×300
—	600×350	—	600×350
—	600×400	—	600×400
—	600×450	—	600×450
—	600×500	—	600×500
—	—	—	800×200
—	—	—	800×400

Reducing Cross



SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
—	250×200	—	250×200
—	300×200	—	300×200
—	300×250	—	300×250
—	350×200	—	350×200
—	350×250	—	350×250
—	350×300	—	350×300
—	400×200	—	400×200
—	400×250	—	400×250
—	400×300	—	400×300
—	400×350	—	400×350
—	450×200	—	450×200
—	450×250	—	450×250
—	450×300	—	450×300
—	450×350	—	450×350
—	450×400	—	450×400
—	500×200	—	500×200
—	500×250	—	500×250
—	500×300	—	500×300
—	500×350	—	500×350
—	500×400	—	500×400
—	500×450	—	500×450
—	600×200	—	600×200
—	600×250	—	600×250
—	600×300	—	600×300
—	600×350	—	600×350
—	600×400	—	600×400
—	600×450	—	600×450
—	600×500	—	600×500
—	700×250	—	700×250
—	900×300	—	900×300

SPIRAL ENHANCED PIPE PE A Fittings

Electro Fusion Belt
(with PE rod)



SAP Number	Size (mm)
—	300
—	350
—	400
—	450
—	500
—	600
—	700
—	800
—	900
—	1000
—	1100
—	1200
—	1300
—	1400
—	1500
—	1600
—	1800
—	2000
—	2200
—	2400

Leakage-Proof Rubber Ring



SAP Number	Size (mm)
—	200
—	250
—	300
—	350
—	400
—	450
—	500
—	600
—	700
—	800
—	900
—	1000
—	1100
—	1200
—	1300
—	1400
—	1500
—	1600
—	1800
—	2000
—	2200

Modified Electro Fusion
Belt for HDD (with PE rod)



SAP Number	Size (mm)
—	300
—	350
—	400
—	450
—	500
—	600
—	700
—	800
—	900
—	1000

Shrinkage Belt



SAP Number	Size (mm)
—	200
—	250
—	300
—	350
—	400
—	450
—	500
—	600
—	700
—	800

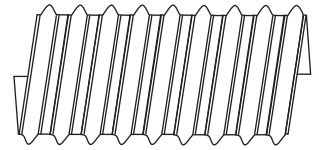
Electro Fusion Belt for HDD
(with PE rod)



SAP Number	Size (mm)
—	200
—	250
—	300
—	350
—	400
—	450
—	500
—	600
—	700
—	800
—	900
—	1000

Metal Reinforced PE Spiral Corrugated Pipe

- **Material:** High Density Polyethylene
- **Size:** 500mm to 2400mm
- **Ring Stiffness:** SN8, SN12.5 and SN16
- **Color:** black or other colors upon request
- **Length:** 6m or other length upon request
- **Application:** municipal sewage, rainwater discharge, floodwaters drainage, irrigation, industrial waste discharge



SN8 ($\geq 8\text{kN/m}^2$)		SN12.5 ($\geq 12.5\text{kN/m}^2$)		SN16 ($\geq 16\text{kN/m}^2$)	
SAP Number (6m)	Inside Diameter (mm)	SAP Number (6m)	Inside Diameter (mm)	SAP Number (6m)	Inside Diameter (mm)
—	500	—	300	—	300
—	600	—	400	—	400
—	700	—	500	—	500
—	800	—	600	—	600
—	900	—	700	—	700
—	1000	—	800	—	800
—	1100	—	900	—	900
—	1200	—	1000	—	1000
—	1300	—	1100	—	1100
—	1400	—	1200	—	1200
—	1500	—	1300	—	1300
—	1600	—	1400	—	1400
—	1800	—	1500	—	★ 1500
—	2000	—	1600	—	1600
—	2200	—	1800	—	
—	2400	—	2000	—	

* The product mold marked as "★" on this page has not been improved, please note.

Metal Reinforced PE Spiral Corrugated Pipe' Accessories

Shrinkage Belt



SAP Number	Size (mm)
	500
	600
	700
	800
	900
	1000
	1100
	1200
	1300
	1400
	1500
	1600

PE Welding Rod



SAP Number	Size (mm)
9	4

Tensioner



SAP Number	Size
	3t

Electro Fusion Belt (Narrow)



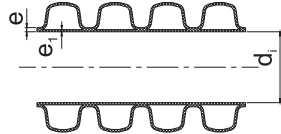
SN 8 ($\geq 8\text{kN/m}^2$)		SN 12.5 ($\geq 12.5\text{kN/m}^2$)	
SAP Number	Size (mm)	SAP Number	Size (mm)
	500		500
	600		600
	700		
	800		
	900		
	1000		1000
	1100		1100
	1200		1200
	1300		1300
	1400		1400
	1500		1500
	1600		1600
	1800		1800
	2000		2000
	2200		
	2400		

Note: Please choose the appropriate electro fusion belt (narrow) according to the above application range strictly as the distance between the crests of the pipe is vary from the different ring stiffnesses.

PVC-U Double-Wall Corrugated Pipe (Socket End)

- ◉ **Material:** Unplasticized Poly (Vinyl Chloride)
- ◉ **Size:** 63mm to 1000mm
- ◉ **Ring Stiffness:** SN4 and SN8
- ◉ **Color:** cream or other colors upon request

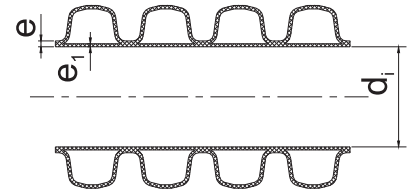
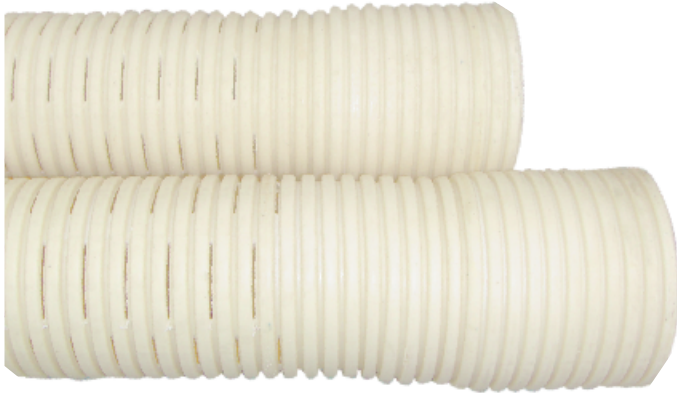
- ◉ **Standard:** ISO 21138-2, ISO 21138-3, GB/T18477-1
- ◉ **Application:** municipal sewage, rainwater discharge, flood waters drainage, irrigation, ventilation for mine and buildings, industrial waste discharge and communication protecting



Length: 5.8m, 6m or other length upon request

SN4 ($\geq 4\text{kN/m}^2$)		SN8 ($\geq 8\text{kN/m}^2$)		Rubber Ring	
SAP Number (5.8m)	Outside Diameter (mm)	SAP Number (5.8m)	Outside Diameter (mm)	SAP Number	Size(mm)
—	110	—	63	—	63
—	160	—	75	—	75
—	200	—	90	—	90
—	250	—	110	—	110
—	315	—	160	—	160
—	400	—	200	—	200
—	500	—	250	—	250
—	630	—	315	—	315
—	800	—	400	—	400
—	1000	—	500	—	500
—	—	—	630	—	630
—	—	—	800	—	800
—	—	—	1000	—	1000

PVC-U Double-Wall Corrugated Pipe -- Infiltration Pipe



Length: 6m or other length upon request

Dimensions	4kN/m ²		8kN/m ²	
	SAP Number(6m)	Number of Slotting Row	SAP Number(6m)	Number of Slotting Row
110		1		1
		2		2
		3		3
		4		4
		5		5
160		1		1
		2		2
		3		3
		4		4
		5		5
200		1		1
		2		2
		3		3
		4		4
		5		5

Slotting regulation for PVC-U double-wall corrugated pipe--half infiltration pipe:

1. Slotting for one row;
2. Slotting for two rows in 1/3circle(Slotting in a trough between rows);
3. Slotting for three rows in 2/5circle(Slotting in triangle);
4. Slotting for four rows in 1/2circle(Slotting in triangle);
5. Slotting for five rows in 2/3circle(Slotting in triangle);
6. Slotting for six rows in 3/4circle(Slotting in triangle).

Illustration: Φ110groove width is 1.0mm; Φ160groove width is 1.2mm; Φ200groove width is 1.5mm; the length of the groove is united as 40mm, the tolerance is around ±3mm, specific dimensions can be produced upon request.

PVC-U Double-Wall Corrugated Pipe Fittings

45° Elbow



Molding 45°
Elbow

SAP Number Size (mm)

110

160

200



Welding 45°
Elbow

250

315

400

500

630

90° Elbow



Molding
Elbow

110

160

★ 200



Welding
Elbow

250

315

400

500

630

Coupling



SAP Number Size (mm)

63

75

90

110

160

200

250

315

400

500

630

Tee



Molding
Tee

110

160

★ 200



Welding
Tee

200

250

315

400

500

630

Reducer



SAP Number Size (mm)

160×110

200×110

200×160

250×110

250×160

250×200

315×110

315×160

315×200

315×250

400×110

400×160

400×200

400×250

400×315

500×110

500×160

500×200

500×250

500×315

500×400

Eccentric Reducer



SAP Number Size (mm)

160×110

200×110

200×160

250×110

250×160

250×200

250×250

315×110

315×160

315×200

315×250

400×110

400×160

400×200

400×250

400×315

500×110

500×160

500×200

500×250




500×315

500×400

630×400

* The product mold marked as "★" on this page has not been improved, please note.

PVC-U Double-Wall Corrugated Pipe Fittings

Reducing Tee		SAP Number	Size (mm)	Tensioner		SAP Number	Size
 <p>Molding Reducing Tee</p>			160×110				2T
			200×110				3T
			200×160				
 <p>Welding Reducing Tee</p>			250×110				
			250×160				
			250×200				
			315×110				
			315×160				
			315×200				
			315×250				
			400×110				
			400×160				
			400×200				
			400×250				
			400×315				
			500×110				
			500×160				
			500×200				
			500×250				
			500×315				
			500×400				
			630×400				

Product Introduction:

Spirally Enwound Structure-wall Pipe PE B(Krah Pipe),The PP is used as the auxiliary support structure, the PE as the inner layer material is made by spirally enwound forming technology, the inner wall is smooth, the outer wall of pipe is circular hollow spiral rib, which belongs to flexible pipe.

Product implementation national standard GB/T 19472.2-2017<Polyethylene structure-wall piping systems for underground usage — Part2: Polyethylene spirally enwound structure-wall pipes>.The construction and acceptance compliance (CECS164: 2004)<Technical Specification for buried PE pipeline of sewer engineering>.



High density polyethylene is used as raw material, light weight, good chemical stability, corrosion resistance, aging resistance, long life, good flexibility and strong impact resistance. The service life can reach 50 years.

The product has been widely used in municipal, electric power, petrochemical, wharf, airport, industrial and mining enterprises and other fields of drainage sewage system, is a reinforced concrete pipe and cast iron pipe and other traditional drainage sewage pipe ideal replacement products.

As a mature product, high density polyethylene (HDPE) structure-wall pipe has been widely used in foreign countries, and has also been rated as a key promotion product by the Ministry of Development in China.

Product characteristics and advantages:

1. The connection quality of pipe interface is high, and the connection mode of zero leakage
pipe can be realized by socket type electro fusion connection, and the interface is the same material socket fusion connection. It is convenient and quick to realize zero leakage in pipeline system.



2. High nominal ring stiffness, and strong match for engineering

According to different engineering conditions and computer calculation software, the nominal ring stiffness of pipe can reach 20kN/m². The best pipe products and fittings suitable for engineering conditions can be selected.



3. Wide product diameter range.

HDPE pipe can be produced in the current pipe diameter range of DN200-DN3000, pipe standard length of 6000 mm, can produce more than 1000 mm, Any length of pipe below 6000 mm.

4. Good stability of piping system

The circular external rib structure not only increases the nominal ring stiffness of the pipe, but also has root resistance, which solves the problem of longitudinal displacement of the pipe. And the pipe itself is flexible, can achieve side welding while backfilling construction.



Applications:

municipal water supply and drainage, large-scale water conservancy projects, petroleum industry, coal industry, chemical engineering, environmental protection engineering, electric power engineering, etc.

Physical performance indicators:

Item		Performance Index
Nominal Ring Stiffness (kN/m ²)	SN4	≥4
	SN6.3	≥6.3
	SN8	≥8
	SN10	≥10
	SN12.5	≥12.5
	SN16	≥16
Impact Properties		TIR≤10%
Ring flexibility		The specimen is smooth, no reverse bending, no rupture, and the tear at the beginning of the rib cutting is allowed to be less than 0.075 DN/ID or 75 mm (Take the minimum).
Creep Ratio		≤4
Tension At Weld /N	DN/ID≤300	≥380
	400≤DN/ID≤500	≥510
	600≤DN/ID≤700	≥760
	800≤DN/ID≤1700	≥1020
	1800≤DN/ID≤2400	≥1428
	DN/ID≥2500	≥2040

Pipe Specifications:

1. The products according to GB/T 19472.2-2017 Type B Structure-wall pipe standards for production;
2. The grade of our company products mainly produces nominal ring stiffness is SN4/6.3/8/10/12.5, SN16 and higher grade are also available upon request;
3. The product color is generally black, can also be agreed between the supply and demand parties;
4. The pipe length is generally 6 m, can also be agreed between the supply and demand parties;
5. This page won the "★" product mold has not been improved, please note.

Size Specifications	Minimum Average Inner Diameter, dim,min(mm)	Minimum Inner Wall Thickness e ₄ ,min(mm)	Minimum Inner Wall Thickness e ₂ ,min(mm)	Minimum Spigot Wall Thickness e ₁ ,min(mm)
DN200	195	1.5	5.3	5.9
DN300	294	2.0	8.0	8.9
DN400	392	2.5	10.7	11.9
DN500	490	3.0	13.4	14.9
DN600	588	3.5	13.7	15.2
DN700	673	4.0	13.7	15.2
DN800	785	4.5	13.7	15.2
DN900	885	5.0	13.7	15.2
DN1000	985	5.0	13.7	15.2
DN1100	1085	5.0	13.7	15.2
DN1200	1185	5.0	13.7	15.2
DN1300	1285	5.0	13.7	15.2
DN1400	1385	5.0	13.7	15.2
DN1500	1485	5.0	13.7	15.2
DN1600	1585	5.5	13.7	15.2
DN1700	1685	5.5	13.7	15.2
★ DN1800	1785	6.0	13.7	15.2
DN2000	1955	6.0	13.7	15.2



Product Introduction:

Spirally Enwound Structure-wall Pipe PE B(D)(Slotted Krah pipe) takes PP pipe as auxiliary supporting structure, PE as inner layer material, it is made by hot spirally enwound forming technology, and the inner wall is smooth. The outer wall is a circular hollow spiral rib pipe, which belongs to flexible pipe. The characteristic of the product is that there is no copper wire at the socket, the cutting slot at the socket is used to place the sealing ring, and the connection mode is the socket interface connected by the double elastic seal rubber ring.

Product implementation national standard GB/T 19472.2-2017<Polyethylene structure-wall piping systems for underground usage—Part2: Polyethylene spirally enwound structure-wall pipes>.The design and selection based on German static force calculation standard ATV127,The construction and acceptance compliance (CECS164: 2004)<Technical Specification for buried PE pipeline of sewer engineering>.

High density polyethylene is used as raw material, light weight, good chemical stability, corrosion resistance, aging resistance, long life, good flexibility and strong impact resistance.

The product has been widely used in municipal, electric power, petrochemical, wharf, airport, industrial and mining enterprises and other fields of drainage sewage system, is a reinforced concrete pipe and cast iron pipe and other traditional drainage sewage pipe ideal replacement products.

As a mature product, high density polyethylene (HDPE) structure-wall pipe has been widely used in foreign countries, and has also been rated as a key promotion product by the Ministry of Development in China.

Product characteristics and advantages:

1. The pipe is used double elasticity seal rubber ring connection, the sealing performance is superior.

The pipe connection adopts double elasticity sealing rubber ring connection socket joint, high sealing.

2. Reliable pipe connection, long life, simple and fast.

The connection mode of pipe is reliable and firm, the service life of sealing ring is long, and the operation is simple and fast.

3. The pipe is formed by hot spirally enwound forming, high weld strength and no internal stress.

Compared with the spirally enwound pipe and the metal reinforced pipe, the krah pipe is air-cooled formed, without internal stress, shaped by the inner wall mould, smooth inner surface and low fluid resistance coefficient.

4. High nominal ring stiffness, and strong match for engineering.

According to different engineering conditions and computer calculation software, the nominal ring stiffness of pipe can reach 20kN/m². The best pipe products and fittings suitable for engineering conditions can be selected.

Applications:

Applications: municipal water supply and drainage, large-scale water conservancy projects, petroleum industry, coal industry, chemical engineering, environmental protection engineering, electric power engineering, etc.

Physical performance indicators:

Item		Performance Index
Nominal Ring Stiffness (kN/m ²)	SN4	≥4
	SN6.3	≥6.3
	SN8	≥8
	SN10	≥10
	SN12.5	≥12.5
	SN16	≥16
Impact Properties		TIR≤10%
Ring flexibility		The specimen is smooth, no reverse bending, no rupture, and the tear at the beginning of the rib cutting is allowed to be less than 0.075 DN/ID or 75 mm (Take the minimum).
Creep Ratio		≤4
Tension At Weld /N	DN/ID≤300	≥380
	400≤DN/ID≤500	≥510
	600≤DN/ID≤700	≥760
	800≤DN/ID≤1700	≥1020
	1800≤DN/ID≤2400	≥1428
	DN/ID≥2500	≥2040

Pipe Specifications:

1. The products according to GB/T 19472.2-2017 Type B Structure-wall pipe standards for production;
2. The grade of our company products mainly produces nominal ring stiffness is SN4/6.3/8/10/12.5. SN16 and higher grade are also available upon request;
3. The product color is generally black, can also be agreed between the supply and demand parties;
4. The pipe length is generally 6 m, can also be agreed between the supply and demand parties;

Specifications	Size	Minimum Average Inner Diameter, dim,min(mm)	Minimum Inner Wall Thickness e ₄ ,min(mm)	Minimum socket thickness e ₂ ,min(mm)	Minimum Spigot Wall Thickness e ₁ ,min(mm)
	DN200	195	1.5	5.3	5.9
	DN300	294	2.0	8.0	8.9
	DN400	392	2.5	10.7	11.9
	DN500	490	3.0	13.4	14.9
	DN600	588	3.5	13.7	15.2
★	DN700	673	4.0	13.7	15.2
	DN800	785	4.5	13.7	15.2

Product Introduction:

Spirally Enwound Structure-wall Pipe PE C (T)(flexible krah pipe), the socket is first molded, then the injection pipe is fastened into the steel mould, then the PP pipe is used as the auxiliary support structure. PE as the inner layer material is made by the process of spirally enwound forming pipe body.smooth inner wall and the outer wall is circular hollow spiral rib.which belongs to flexible pipe. The socket adopts double sealing ring connection

Product implementation national standard GB/T 19472.2-2017<Polyethylene structure-wall piping systems for underground usage—Part2: Polyethylene spirally enwound structure-wall pipes>.The construction and acceptance compliance (CECS164: 2004)<Technical Specification for buried PE pipeline of sewer engineering>.

High density polyethylene resin (HDPE) is a kind of environmental protection and safety product. It has the advantages of light weight, strong bearing capacity, high joint quality, long life, corrosion resistance, high ring stiffness and convenient construction.It' s currently buried sewage, drainage of the preferred pipe.



Product characteristics and advantages:

1. The connection of pipe joint is convenient and can be connected directly with injection inspection chamber.

Flexible sealing ring connection, easy installation, high construction efficiency, can adapt to the installation of rain water environment; socket injection molding, good interchangeability, direct insertion, no electric heating equipment, save installation costs; Can be directly connected with the injection inspection chamber produced by the company.

2. High nominal ring stiffness, and strong match for engineering

According to different engineering conditions, the nominal ring stiffness of pipe can reach 20kN/m², the best pipe suitable for engineering conditions and complete inspection chamber fittings can be selected.

3. Wide product diameter range, flexible joint

The pipe can be produced in the DN300-DN1400 of the national standard, the normal effective length of the pipe is 6 meters, and the pipe can be produced within 3-6 meters; The two ends of the pipe can be socketed or double spigot.



Physical performance indicators:

Item	Performance Index	
Nominal Ring Stiffness (kN/m ²)	SN4	≥4.0
	SN6.3	≥6.3
	SN8	≥8.0
	SN10	≥10
	SN12.5	≥12.5
Impact Properties	≤10%	
Ring flexibility	The specimen is smooth, no reverse bending, no rupture, and the tear at the beginning of the rib cutting is allowed to be less than 0.075 DN/ID or 75 mm (Take the minimum).	
Creep Ratio	≤4	
Tension At Weld /N	DN/ID≤300	≥380
	400≤DN/ID≤500	≥510
	600≤DN/ID≤700	≥760
	800≤DN/ID≤1700	≥1020

Pipe Specifications:

1. The grade of our company products mainly produces nominal ring stiffness is SN4/6.3/8/10/12.5. SN16 and higher grade are also available upon request;
2. The product color is generally black, length is generally 6 m, can also be agreed between the supply and demand parties;
3. This page won the "★" product mold has not been improved, please note.

Size	Minimum Average Inner Diameter, dim,min(mm)	Minimum Inner Wall Thickness e ₄ ,min(mm)
★ 200	195	1.5
300	294	2.0
400	392	2.5
500	490	3.0
600	588	3.5
★ 700	673	4.0
800	785	4.5
1000	985	5.0
1200	1185	5.0
1400	1385	5.0