JQ PIPE | TECHNICAL DATA SHEET

HDPE DWC PIPE

Double Wall Corrugated Pipe for Non-Pressure Drainage, Sewer and Stormwater Systems

Diameter	Ring stiffness	Length	Connection	Flow type
DN110-DN1200	SN8 primary; SN4 optional	6 m	Socket + rubber ring	Non-pressure / gravity

Product Overview

JQ PIPE manufactures HDPE double wall corrugated pipes for buried drainage systems. The corrugated outer wall provides ring stiffness against soil and external loads, while the smooth inner wall supports efficient gravity flow. SN8 is the primary option for demanding projects; SN4 is available where engineering design and installation conditions permit.

Feature	Buyer benefit
Corrugated outer wall	Resistance to external deformation in buried installation.
Smooth inner wall	Efficient flow with reduced internal resistance.
HDPE material	Resistance to corrosion, moisture and common underground chemicals.
Socket joint	Fast connection using a compatible rubber sealing ring.

Standard Dimensions - DN/OD System

All dimensions are in millimeters. Confirm the dimensional system and final purchase specification before ordering.

DN/OD	Min avg. OD	Max avg. OD	Min avg. ID	Min laminated wall	Min inner wall	Min outer wall	Min socket length
110	109.4	110.4	90	1.0	0.8	0.7	32
125	124.3	125.4	105	1.1	1.0	0.8	35
160	159.1	160.5	134	1.2	1.0	0.8	42
200	198.8	200.6	167	1.4	1.1	0.9	50
250	248.5	250.8	209	1.7	1.4	0.9	55
315	313.2	316.0	263	1.9	1.6	1.0	62
400	397.6	401.2	335	2.3	2.0	1.2	70
500	497.0	501.5	418	2.8	2.8	1.7	80
630	626.3	631.9	527	3.3	3.3	2.0	93
800	795.2	802.4	669	4.1	4.1	2.5	110
1000	994.0	1003.0	837	5.0	5.0	3.0	130
1200	1192.8	1203.6	1005	5.0	5.0	3.0	150

DN/OD note: If the tender specifies DN/ID, send the tender schedule for confirmation.

Standard note: Confirm the required national, international or project standard before quotation.

SN8 vs SN4 Selection Guide

SN indicates ring stiffness and resistance to external deformation. It is not an internal pressure rating.

Comparison	SN8 HDPE DWC Pipe	SN4 HDPE DWC Pipe
Nominal ring stiffness	8 kN/m²	4 kN/m²
External-load resistance	Higher resistance to external loads and deformation	Moderate resistance under lighter external loads
Typical use	Municipal drainage, roads and demanding buried conditions	General drainage and lower-load conditions
Supply position	Primary and commonly requested option	Available according to project requirements

Selection note: Consider burial depth, soil, groundwater, traffic load, trench width, bedding and backfill compaction. Project engineering requirements take priority.

Typical Applications

Municipal drainage - Urban rainwater networks.
Sewer and wastewater - Non-pressure gravity systems.
Stormwater - Residential and industrial projects.
Road drainage - Subject to engineering design.
Agricultural drainage - Farmland water management.

Socket Connection

1. Clean socket, spigot and sealing ring.
2. Install the ring in the specified corrugation.
3. Apply approved lubricant.
4. Align both pipe sections.
5. Insert to the marked depth.
6. Check alignment and ring position.

Quality Control and Export Supply

Quality control	Export supply
Raw-material verification	6 m straight lengths
Diameter and wall measurement	Container-loading plan
Appearance, weight and batch inspection	Rubber rings and available fittings
Ring stiffness and socket inspection	Export documentation
Third-party inspection upon request	Destination-port quotation

Information Required for Quotation

Diameter / system	SN class	Quantity	Application	Required standard	Destination
DN110-DN1200; DN/OD or DN/ID	SN8, SN4 or assistance	Meters or pipe sections	Drainage / sewer / stormwater	Tender or project specification	Country and port

REQUEST A FACTORY QUOTATION

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Disclaimer: General product information only. Final dimensions, standards, availability and performance requirements must be verified in the confirmed purchase specification.